

List of discontinued photographic films

All the still camera films on this page have either been discontinued, have been updated or the company making the film no longer exists. Often films will be updated and older versions discontinued without any change in the name. Films are listed by Brand name.

Photographic films for still cameras that are currently available are in the *list of photographic films*. Films for movie making are included in the *list of motion picture film stocks*.

ADOX

Adox was a German camera and film brand of Fotowerke Dr. C. Schleussner GmbH of Frankfurt am Main, the world's first photographic materials manufacturer. In the 1950s it launched its revolutionary thin layer sharp black and white kb 14 and 17 films, referred to by US distributors as the 'German wonder film'.^[1] In the 1970s Dupont the new owners of the ADOX brand sold the recipes and machinery of the film (but not the brand name) to Fotokemika in Croatia who continued to produce the films according to the 1950s ADOX formulas under the Efke brand.

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ADOX	KB 14 / R14	1952-1973	T	20	B&W	Print	Ortho-panchromatic classic 1950s single layer emulsion. KB = 'Kleinbild' (Small format 135), R = Rollfilm.	Germany	135, 120, Sheet film	Efke KB25 & R25
ADOX	KB 17 / R17	1952-1973	T	40	B&W	Print	Ortho-panchromatic classic 1950s emulsion.	Germany	135, 120, Sheet film	Efke KB50 & R50
ADOX	KB 21 / R21	1952-1973	T	100	B&W	Print	Ortho-panchromatic classic 1950s emulsion.	Germany	135, 120, Sheet film	Efke KB100 & R100

Colour reversal (slide) film

- ADOX C15 (1958) Color reversal film
- ADOX C17 (?) Color reversal film
- ADOX C18 (18° DIN, 50 ASA).

ADOX (Fotoimpex)

The current rights to the ADOX name for photographic products were obtained in 2003 by Fotoimpex of Berlin, Germany, a company founded in 1992 to import photographic films and papers from former eastern Europe. This included the Efke films from Fotokemika which were sold branded as 'ADOX CHS Art' re-uniting the ADOX name with the original Schleussner film

formula. Fotoimpex established the ADOX Fotowerke GmbH film factory in Bad Saarow outside Berlin to convert and package their films, papers and chemicals. After the closure of Fotokemika in 2012, ADOX subsequently revived the KB100 film as ADOX CHS II.

Black and white negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ADOX	IR-HR PRO 50	2018-2021	P	80	B&W	Print	Super-panchromatic fine grain film - Agfa-Gevaert Aviphot 80 as HR-50 without modification. Initial trial batch ^[2]	Belgium/Germany	135-36	Nothing
ADOX	Silvermax	2016-2020	T	100	B&W	Print	Fine grain ortho-panchromatic film on a clear triacetate base similar to original AGFA APX 100. The film was produced as a single run using end of line Agfa base material and photochemicals in 135 format only. SCALA was the same film but packaged to promote its suitability for reversal. Final stock sold out in late 2020/early 2021. ^{[3][4]}	Germany	135-36	Nothing

Black and white reversal (slide) film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ADOX	SCALA 160	2016-2020	T	160	B&W	Slide	Same film as the Silvermax but rebranded to show its suitability for reversal process. A near alternative to the discontinued AGFA SCALA. Final stock sold out in late 2020/early 2021. The replacement film SCALA 50 is based on modified Agfa-Gevaert Aviphot Pan 80 ^[5]	Germany	135-36	SCALA 50

Colour negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ADOX	Color Implosion	? -2017	T	100	C-41	Print	A "creative" C-41 colour film, designed to intentionally give unpredictable results with skewed colours. ^[6]	tbc	135	Nothing

AGFA

Originally founded in Berlin, 1867, its name was changed to AGFA (Actien-Gesellschaft für Anilin-Fabrikation) in 1873. The Wolfen factory was established in 1910 and the original Leverkusen works around the same time. By 1925 under IG Farben, Wolfen was specialising in film production and Leverkusen photographic paper. After the war, Agfa was split into two companies: Agfa AG, Leverkusen in West Germany, and VEB Film und Chemiefaserwerk Agfa Wolfen in East Germany.

Initially both companies produced films under the AGFA brand with the same names, such as Isopan F. To distinguish them, the film edge markings were L IF for Agfa Leverkusen, and W IF for Agfa Wolfen. After 1964 films from Wolfen were rebranded ORWO (ORiginal WOlfen). See separate listing. Trading of materials however continued between plants.

Agfa AG (Leverkusen), which saw major investment post war in 1952 as a wholly owned subsidiary of Bayer was subsequently merged with Gevaert based in Mortsel, Belgium in 1964 to form Agfa-Gevaert with Bayer subsequently acquiring full ownership of the merged company. Agfa-Gevaert film products continued to be sold under the AGFA 'rhombus' brand. The Mortsel plant specialised in commercial films including aerofilms and Leverkusen in consumer films. Following a public flotation in 1999 Agfa-Gevaert Group became independent from Bayer. The consumer film division, Agfa in Leverkusen, Germany was spun off into a new company AgfaPhoto in 2004 as a management buyout, a time of significant challenges to the traditional film market with the rapid rise of digital photography, resulting in bankruptcy in 7 months, and the closure of the Leverkusen plant in 2005. Production of aerial films continued at the Agfa-Gevaert, Mortsel plant some of which have been subsequently converted for retail sale by Maco Photo Products.

Black and white film

- **ISOPAN Ultra** (discontinued)
- **ISOPAN Fine Grain** (Discontinued)
- **AGFA Vario-XL** (Discontinued) Chromogenic black and white Film that can be developed in C-41 Colour Chemistry.
- Agfaortho 25
- **Agfacontour Professional** (discontinued) Equidensities generating process B&W sheet film using Agfacontour developer

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
AGFA	Isopan/ Isopan F / IF17	Pre 1943- c1970	T	40	B&W	Print	Fine grain panchromatic film. Leverkusen version also referred to as ISOPAN IF 17, marginal markings L IF	Germany	135, 120	?
AGFA	Isopan FF /IFF	? - c1960s	T	25	B&W	Print	Ultra fine grain panchromatic film. Leverkusen version also referred to as ISOPAN IFF, marginal markings L IFF	Germany	135, 120, 127, 620	?
AGFA	Isopan Record	mid- 1950s ^[7] -c1960s	T	640	B&W	Print	Ultra high speed (for its time) panchromatic film. Although rated at ASA 640 / 29 DIN, best results were obtained at ASA 2000 / 34 DIN, very similar to how Delta 3200 film is officially rated at ASA 1000 / 31 DIN but is usually shot at ASA 3200 / 36 DIN.	Germany	135, 120, 127, 620	?
AGFA	Isopan SS	1935- c1960s	T	100	B&W	Print	'Super Speed' Introduced around 1935 as a replacement for Superpan and originally rated at 19 or 20 DIN, around 1937 this was increased to 21 DIN. For correct rendering a pale yellow filter was required in daylight and a pale green in half-watt illumination. ^[8] Ultra fine grain ortho-panchromatic film. Leverkusen version also referred to as ISOPAN ISS 21, marginal markings L ISS	Germany	135, 120, 127, 620	?
AGFA	AgfaPan 25	? -c1989	T/P	25	B&W	Print	Professional general purpose traditional cubic grain panchromatic film, Sheet film P base.	Germany	135, 120, Sheet film	Agfa APX 25
AGFA	AgfaPan 100	? -c1989	T/P	100	B&W	Print	Professional general purpose traditional cubic grain panchromatic film. Sheet film P base.	Germany	135, 120, Sheet film	Agfa APX 100
AGFA	AgfaPan AP 400	? -c1989	T/P	400	B&W	Print	Professional general purpose traditional cubic grain panchromatic film. Sheet film P base.	Germany	135, 120, Sheet film	Agfa APX 400
AGFA	AgfaPan APX 25	1989- 2000	T	25	B&W	Print	Professional general purpose traditional cubic grain panchromatic film, with single layer emulsion and anti-halation layer ^[9] Discontinued due to low demand	Germany	135, 120	Nothing
AGFA	AgfaPan APX 100	1989- 2005	T/P	100	B&W	Print	General purpose traditional cubic grain panchromatic film. Wide exposure latitude and tonal range. ^[9] Sheet film P base (6.5x9, 9x12, 10.2x12.7, 13x18 cm).	Germany	135, 120, Sheet film	Agfa Photo APX 100
AGFA	AgfaPan APX 400	c1990s- 2005	T	400	B&W	Print	General purpose traditional cubic grain panchromatic film. Wide	Germany	135, 120	Agfa Photo APX 400

							exposure latitude and tonal range.			
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Black and white reversal (slide) films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
AGFA	Scala 200x	c1990s–2005	T/P	200	Scala	Slide	General purpose B&W reversal film based on the same emulsion as the APX 100 film. Wide exposure and tonal range. Requires specialist Scala process. ADOX Scala is the nearest replacement. Sheet film P base (4x5").	Germany	135, 120, Sheet film	ADOX Scala
AGFA	Dia-Direct	? -1995	T/P	32	Dia-Direct	slide	very fine grain, large exposure range there was also a 12 ASA version	Germany	135	ADOX Scala

Colour negative films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
AGFA	Agfacolor T	1949–1956	T	10-12	Agfa	Print	General purpose color film for Daylight/Tageslicht (T). Introduced 1951 to UK.	Germany	135, 120, Karat, Sheet film,	CN17
AGFA	Agfacolor K	1949–1956	T	10-12	Agfa	Print	General purpose color film for Tungsten lighting (K) Introduced 1951 to UK.	Germany	Sheet film	CN17
AGFA	Agfacolor CN 17	1956–1971	T	40	Agfa	Print	Universal color film, unmasked and balanced for use in daylight and artificial light, corresponding to colour temperatures of about 2500K to 6500K	Germany	135, 120, 620, 127 Sheet film	CN17S
AGFA	Agfacolor CN 17M	1963–1964	T	40	Agfa	Print	Short lived general purpose masked color negative film	Germany	Sheet film	CN17S
AGFA	Agfacolor CN 17S	1966–1968	T	40	Agfa	Print	S= Special. General purpose double masked color negative film with extra fine grain.	Germany	135, 120	CNS
AGFA	Agfacolor Special CNS	1968–1975	T	80	Agfa	Print	General purpose color film (CNS=Color Negative Special). Integral double mask as for 17S but higher speed.	Germany	135, 126, 127, 120, 620, Sheet film	CNS2
AGFA	Agfacolor Pocket Special	1971– ?	T	80	Agfa	Print	Updated version of CNS with finer grain for smaller negatives of the new 110 format, higher resolution, and a 25% reduction in layer thickness	Germany	110	?
AGFA	Agfacolor CNS2	1975–c1981	T	80	Agfa	Print	Updated version of CNS as for 'pocket special' (which continued in production)	Germany	135, 126, 127, 120, 620	Agfa color 100

AGFA	Agfacolor 80S Professional	1975– ?	T	80	Agfa	Print	Professional version of CNS2 color film	Germany	135, 120, Sheet film	?
AGFA	Agfacolor CNS 400	1978/9– c1984	T	400	C-41/ AP70	Print	Higher speed version of CNS2 with fine grain. First Agfa AP70/C-41 film	Germany	110, 135	XR400
AGFA	Agfacolor N80L Professional	c1982– ?	T	80	C-41/ AP70	Print	Professional color film for artificial light/Long exposures >1/10 sec.	Germany	120, Sheet film	?
AGFA	Agfacolor N100S Professional	c1982– ?	T	100	C-41/ AP70	Print	Professional color film for Short exposures <1/10 sec.	Germany	120, Sheet film	?
AGFA	Agfacolor Pro 100	c1985 ^[10] –c2006	T	100	C-41	Print	Professional color film.	Germany	135	?
AGFA	Agfacolor Pro 200	c1985 – c2006 ^[11]	T	200	C-41	Print	Professional color film.	Germany	135	?
AGFA	Agfacolor Pro 400	c1985 – c2006	T	400	C-41	Print	Professional color film.	Germany	135	?
AGFA	Agfacolor Pro 1000	c1985 – c2006	T	1000	C-41	Print	Professional color film.	Germany	135	?
AGFA	Agfacolor 100	1981- c1984	T	100	C-41	Print	Consumer color film with C-41 process and ISO 100 replacing CNS2. Orange box.	Germany	110, 126, 135	XR100
AGFA	Agfacolor XR100	1984– 1989	T	100	C-41	Print	Consumer general purpose color film with new structured grain technology. Orange box (Later XR100i in white box)	Germany	110, 126, 135, 120, Rapid	XRG 100
AGFA	Agfacolor XR200	1984– 1989	T	200	C-41	Print	Consumer general purpose color film with new structured grain technology. First Agfa film to carry DX coding on 135 cartridges. First Agfa ISO 200 consumer color negative film.	Germany	135, 120	XRG 200
AGFA	Agfacolor XR400	1984– 1989	T	400	C-41	Print	Consumer general purpose color film with new structured grain technology	Germany	110, 135, 120	XRG 400
AGFA	Agfacolor XRG 100	1989– ?	T	100	C-41	Print	Consumer general purpose fine grain color film with high sharpness and saturation with wide exposure latitude, accurate to 1/3 stop. XRC in US.	Germany	135, ?	HDC+ 100
AGFA	Agfacolor XRG 200	1989– ?	T	200	C-41	Print	Consumer general purpose fine grain color film with high sharpness and saturation with wide exposure latitude, accurate to 1/3 stop. XRC in US.	Germany	135, ?	HDC+ 200
AGFA	Agfacolor XRG 400	1989– ?	T	400	C-41	Print	Consumer general purpose fine grain color film with high sharpness and saturation with wide exposure latitude, accurate to 1/3 stop. XRC in US.	Germany	135, ?	HDC+ 400
AGFA	Agfacolor HDC+ 100	? –2001	T	100	C-41	Print	Consumer general purpose fine grain color	Germany	135	Vista 100

							film			
AGFA	Agfacolor HDC+ 200	? –2001	T	200	C-41	Print	Consumer general purpose fine grain color film	Germany	135	Vista 200
AGFA	Agfacolor HDC+ 400	? –2001	T	400	C-41	Print	Consumer general purpose fine grain color film	Germany	135	Vista 400
AGFA	Agfa Vista 100	2001-2005	T	100	C-41	Print	Consumer general purpose fine grain color film with Eye vision technology from Professional Optima films.	Germany	135	Agfaphoto Vista 100
AGFA	Agfa Vista 200	2001-2005	T	200	C-41	Print	Consumer general purpose fine grain color film with Eye vision technology from Professional Optima films	Germany	110, 135	Agfaphoto Vista 200
AGFA	Agfa Vista 400	2001-2005	T	400	C-41	Print	Consumer general purpose fine grain color film with Eye vision technology from Professional Optima films	Germany	135	Agfaphoto Vista 400
AGFA	Agfa Vista 800	2001-2005	T	800	C-41	Print	Consumer general purpose fine grain color film with Eye vision technology from Professional Optima films. Agfas first (and last) 800 speed color film.	Germany	135	Nothing
AGFA	AgfaColor XRS 100	1984–c1996	T	100	C-41	Print	Professional fine grain color film with high sharpness and saturation with wide exposure latitude, accurate to 1/6th stop. Revised in 1989 to share XRG technology and similar metallic box packaging. ^[9]	Germany	135, 120, Sheet film	Optima 100
AGFA	AgfaColor XRS 200	1984–c1996	T	200	C-41	Print	Professional general purpose fine grain color film with high sharpness and saturation with wide exposure latitude, accurate to 1/th stop. Revised in 1989 to share XRG technology and similar metallic box packaging	Germany	135, 120	Optima 200
AGFA	AgfaColor XRS 400	1984–c1996	T	400	C-41	Print	Professional general purpose fine grain color film with high sharpness and saturation with wide exposure latitude, accurate to 1/6th stop. Revised in 1989 to share XRG technology and similar metallic box packaging	Germany	135, 120	Optima 400
AGFA	AgfaColor XRS 1000	1984–c1996	T	1000	C-41	Print	Professional general purpose fine grain color film. This was not updated in 1989	Germany	135, 120	Nothing
AGFA	AgfaColor Optima 100	c1996–2005	T	100	C-41	Print	Professional general purpose color negative	Germany	135, 120	Nothing

							films with EYE VISION technology			
AGFA	AgfaColor Optima 200	c1996–2005	T	200	C-41	Print	Professional range of general purpose color negative films with EYE VISION technology. A similar un-masked variant of the emulsion was made by Agfa-Gevaert for aerial photography and converted by Maco and sold as Rollei CN 200.	Germany	135, 120	Nothing
AGFA	AgfaColor Optima 400	c1996–2005	T	400	C-41	Print	Professional general purpose color negative films with EYE VISION technology	Germany	135, 120, 220	Nothing
AGFA	AgfaColor Portrait 160	? –2005	T	160	C-41	Print	Professional color negative film for portrait, wedding and fashion photography.	Germany	135, 120, 220	Nothing
AGFA	AgfaColor Ultra 50	? –2005	T	50	C-41	Print	Professional high saturation color negative film for Landscapes and nature.	Germany	135, 120	Nothing
AGFA	AgfaColor Ultra 100	? –2005	T	100	C-41	Print	Professional high saturation color negative film for Landscapes and nature.	Germany	135, 120	Nothing

Colour reversal (slide) film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
AGFA	Color Neu	1936 ?	T	2- 25	Color	Slide	Color Neu, also known as Agfacolor 111, went on public sale in November 1936 in 135 format as an ISO 2-4 film and was the first subtractive 3 layer color film incorporating dye couplers in each of the layers which could be processed at the same time by a single color developer. This arrangement formed the basis for all subsequent color slide and negative films. ^{[12][13]} In comparison, Kodak Kodachrome which launched a year earlier required the processing of each color layer separately. Agfa Color Neu was initially made available on a trial basis from April 1936 with use in the August 1936, Berlin Olympics. Speed was later increased to ISO 25 by 1938. ^[14]	Germany	135	?
AGFA	Color/Chrome CT18	1958–1985	T	50	AP-41	Slide	General purpose consumer color reversal film. Renamed Chrome in 1978. Warm pleasing colors, but not very stable in long-term	Germany	135	?

							storage. Also sold under Perutz brand. A similar film was produced by ORWO in the former Agfa plant in East Germany as OrwoChrom UT18 until the 1990s.			
AGFA	Chrome CT 100	1984-1992	T	100	E-6	Slide	General purpose consumer color reversal film.	Germany	135	CT100i
AGFA	Chrome CT 200	1982-1992	T	200	E-6	Slide	General purpose consumer color reversal film. First Agfa AP44/ E-6 process film	Germany	135	?
AGFA	Chrome CT 100i	1992-1995	T	100	E-6	Slide	Consumer general purpose color slide film. Launched at Photokina ^[15]	Germany	135	CT 100x
AGFA	Chrome CT 100x	1995-1999	T	100	E-6	Slide	Consumer general purpose color slide film. Launched at Photo Marking Association in 1995 with improvements in color intensity, accuracy, and edge definition along with enhanced pushability. ^[15]	Germany	135	CT Precisa 100
AGFA	CT Precisa 100	1999-2005	T	100	E-6	Slide	Consumer general purpose color slide film The film boasted stronger colors and softer tones After 2005 replaced by Agfa Photo CT Precisa made by Ferrania and subsequently FujiFilm.	Germany	135	Agfa Photo CT Precisa
AGFA	CT Precisa 200	1999-2005	T	200	E-6	Slide	Consumer general purpose color slide film.	Germany	135	Nothing
AGFA	Chrome 50S	1968-1984	T	50	AP-41	Slide	Professional color reversal film. For short exposures <1 sec. Last batches expired around 1987/88	Germany	?	RS 50
AGFA	Chrome 50L	1968-1983	T	50	AP-41	Slide	Professional color reversal film. For long exposures over 1 sec. Last batches expired around 1987/88	Germany	?	RS 50
AGFA	Chrome 64	1974-1983	T	64	AP-41	Slide	Consumer color reversal film for the North American market	Germany	?	?
AGFA	Chrome 50 RS	1984-1995	T	50	AP-44 /E-6	Slide	Professional general purpose color slide film. Agfa process 44 compatible with Kodak E-6, replacing Agfa process 41 films. Improved emulsion from 1992	Germany	?	RSX 50
AGFA	Chrome 100 RS	1984-1995	T	100	AP-44 /E-6	Slide	Professional general purpose color slide film. Improved emulsion from 1992	Germany	135, 120	RSX 100
AGFA	Chrome 200 RS	1984-1995	T	200	AP-44 /E-6	Slide	Professional general purpose color slide film. Improved emulsion from 1992	Germany	135, 120	RSX 200

AGFA	Chrome 1000 RS	1984–1995	T	1000	AP-44 /E-6	Slide	Professional very high speed color slide film	Germany	135	Nothing
AGFA	Chrome RSX 50	1995–1998	T	50	AP-44 /E-6	Slide	Professional general purpose color slide film	Germany	135, 120	RSX II 50
AGFA	Chrome RSX 100	1995–1998	T	100	AP-44 /E-6	Slide	Professional general purpose color slide film	Germany	135, 120, Sheet film	RSX II 100
AGFA	Chrome RSX 200	1995–1998	T	200	AP-44 /E-6	Slide	Professional general purpose color slide film	Germany	135, 120	RSX II 200
AGFA	Chrome RSX II 50	1999–2005	T	50	AP-44 /E-6	Slide	Professional general purpose color slide film	Germany	135, 120	Nothing
AGFA	Chrome RSX II 100	1999–2005	T	100	AP-44 /E-6	Slide	Professional general purpose color slide film. The "Pro" RSX II film "made with extremely narrow production tolerances to ensure maximum consistency as required by professionals" does not require refrigeration except in hot/humid conditions. Consumer equivalent CT Precisa ^[16]	Germany	135, 120, Sheet film	Nothing
AGFA	Chrome RSX II 200	1999–2005	T	200	AP44 /E-6	Slide	Professional general purpose color slide film, Slightly subdued perceived by many users as natural and producing flattering skin tones. After the demise of AgfaPhoto Agfa-Gevaert continued producing the emulsion for aerial photography on a polyester base as Aviphot Chrome 200 PE1. Maco converted this as Rollei CR 200. Also sold as Lomography X-Pro 200.	Germany	135, 120	Rollei CR 200

AGFA PHOTO

The AGFA consumer film division with its plant in Leverkusen, Germany was spun off by Agfa-Gevaert into a new company AGFA PHOTO in 2004. At buy out the firm was split into a holding company Agfa-Photo Holding GMBH (licenses) and manufacturing company Agfa-Photo GMBH (Leverkusen). The manufacturing company went bankrupt in 7 months resulting in the closure of the Leverkusen plant in 2005. The holding company was unaffected and retains a trademark license from Agfa-Gevaert for the use of the AgfaPhoto brand and 'red dot' logo on products having a photographic application.^[17] Since 2005 these rights for consumer film products have been sub-licensed to Lupus Imaging & Media.^[18] After 2005 the colour films were initially made by Ferrania while black and white films continued to be AGFA material converted by Ferrania from cold stored

master rolls of AGFA APX. Ferrania itself closed in 2009 and so Lupus procured replacement Agfa Photo branded films from Fujifilm (colour) and Harman/Ilford (black and white). The contract with Fujifilm ended in early 2018^[19] ending the sale of colour film under the AgfaPhoto brand.^[20]

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
AGFA PHOTO	APX 100	2005–2012	T	100	B&W	Print	General purpose traditional cubic grain panchromatic film with wide exposure and tonal range. Film was converted by Ferrania, Italy from AGFA Leverkusen APX master rolls that had been cold stored until this material was exhausted. ADOX Silvermax is a near equivalent to the original AGFA APX 100.	Germany	135, 120	New Agfa Photo APX 100, ADOX Silvermax
AGFA PHOTO	APX 400	2005–2012	T	400	B&W	Print	General purpose traditional cubic grain panchromatic film with wide exposure and tonal range. Film was converted by Ferrania, Italy from AGFA Leverkusen APX master rolls that had been cold stored until this material was exhausted. ADOX test-produced a slightly improved version of AGFA APX 400 as ADOX Pan 400 during 2010. Due to Fotokemika stopping general production in 2012 priority was given to ADOX CHS II instead. ^[21]	Germany	135, 120	New Agfa Photo APX 400

Colour negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
AGFA PHOTO	Vista 200	2005–2009	T	200	C-41	Print	Consumer color film produced by Ferrania post Leverkusens closure, based on Solaris 200	Italy	135	Vista Plus 200
AGFA PHOTO	Vista Plus 200	2009-2018	T	200	C-41	Print	General purpose budget colour film (Re-branded FujiColor C200). Sold in 24/36 exp. rolls and 3 packs. Production ended 2018, last stock expiry dated 4.2020. ^{[22][23]}	Japan	135	Nothing
AGFA PHOTO	Vista 400	2005–2009	T	400	C-41	Print	Consumer color film, produced by Ferrania post Leverkusens closure based on Solaris 400.	Italy	135	Vista Plus 400
AGFA PHOTO	Vista Plus 400	2009-2018	T	400	C-41	Print	General purpose budget colour film (assumed to be Fujicolor Superia 400). Sold in 24/36 exp. rolls and 3 packs. Production ended 2018. ^[24]	Japan	135	Nothing
AGFA PHOTO	Vista 800	2005–2009	T	800	C-41	Print	Consumer color film, produced by Ferrania post Leverkusens closure based on Solaris 800. Production	Italy	135	Nothing

										was not continued when supply switched to Fuji so there is no 'plus' variant		
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Colour reversal (slide) films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
AGFA PHOTO	CT Precisa 100	2005-2009	T	100	E-6	Slide	General purpose slide film produced by Ferrania, initially using Agfa chemicals. Ferrania version identified by picture of yellow boats on outer box.	Italy	135-36	CT Precisa 100 (2009)
AGFA PHOTO	CT Precisa 100 (new)	2009-2018	T	100	E-6	Slide	General purpose slide film produced by Fujifilm. Packaging box shows coloured beach huts. Considered to be based on either FujiChrome Provia 100F (possibly cut from edges of master rolls) which was still in production or discontinued FujiChrome Sensia emulsion. Production ended early 2018 and by mid 2018 was sold out. ^{[25][26]}	Japan	135-36	Nothing

Azomureş

Azomureş or AZO, produced by Târgu-Mureş Nitrogenous Fertilizer Plant, was the photographic brand of Romania since the 1981. The photosensitive materials plant in Târgu Mureş, a city in northern Romania, covering an area of about 7 hectares. The plant produced black and white and color photographic paper and films for general photography, industrial and medical use and black and white and color cinematographic films. Film production ended in 2003.

The plant was designed by Japan's Fujitsu to withstand a 9.4 degree earthquake on the Richter scale, consequently due to high cost of demolition the company decided to use the buildings to host cultural events and the photosensitive materials plant was re-opened for this purpose in May 2016.^[27]

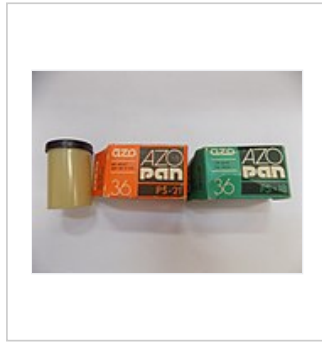
Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
AZOPAN	PS-21	1981- ?	T	100	B&W	Print	Panchromatic film.	Romania	120 135-20 135-36 10x15 cm 13x18 cm most probably other sheet film formats	Nothing

Discontinued Azomureş Azopan films



Azopan logo



Packaging of black and white panchromatic negative films (cardboard and plastic boxes), Azopan PS-18 and PS-21 with 36 frames.

Dan-Di film

Was a film manufactured in Belgium.

Dan-Di Orthochromatic safety film

- Type: Safety Film - Orthochromatic
- Available formats: 116 N-16(known)
- Speed: Rating of High Speed (?) on box EM-N°
- Granularity:
- Latitude:
- Resolving Power:
- History:
- Primary Usage:

efke

efke was a brand of (mainly, but not limited to) black and white films and photographic paper produced by *Fotokemika Zagreb d.d* based in Samobor (near Zagreb), Croatia (former Yugoslavia). *Fotokemika d.d* acquired the rights to the ADOX film recipes and the production machinery from owners Dupont in the 1970s. As Dupont retained the ADOX brand name, Fotokemika sold the films under the efke brand and continued to manufacture them according to the original 1950s film formulas. The films were also sold by Fotoimpex (Berlin, Germany) under the original ADOX brand name after they acquired the rights to this in 2003. After *Fotokemika's* closure in 2012, ADOX (Fotoimpex) subsequently revived the KB100 film as ADOX CHS II.

Furthermore *Fotokemika* had a short lived line of color films^[28] and color reversal films called "efkecolor" and "efkechrome" in the 1980s.

Both lines were discontinued in the 1990s due to unknown reasons, presumably due to supply shortages and infrastructural damage as a result of the Yugoslav Wars.



efke B&W film cartridge

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Efke	KB25 & R25	1974-2012	T	25	B&W	Print	Ortho-panchromatic classic 1950s style single layer emulsion. 135(KB25), 120 (R25) and sheet size (4×5, 5×7 and 8×10.	Croatia (formerly Yugoslavia)	135, 120, Sheet film	Nothing
Efke	KB50 & R50	1974-2012	T	50	B&W	Print	Ortho-panchromatic classic 1950s style emulsion. 135(KB50), 120 (R50) and sheet size (4×5, 5×7 and 8×10	Croatia (formerly Yugoslavia)	135, 120, Sheet film.	Nothing
Efke	KB100 & R100	1974-2012	T	100	B&W	Print	Ortho-panchromatic classic 1950s style emulsion. 135(KB100), 120 (R100), 127 (R100-127) and sheet size (4×5, 5×7 and 8×10. The same film was subsequently produced for ADOX by Inoviscoat, Germany as ADOX CHS II 100.	Croatia (formerly Yugoslavia)	135, 127, 120, Sheet film	ADOX CHS II
Efke	IR820	1974-2012	T	100	B&W	Print	Ortho-panchromatic classic 1950s style emulsion. 135(KB100), 120 (R100) and sheet size (4×5, 5×7 and 8×10	Croatia (formerly Yugoslavia)	135, 120, Sheet film	Nothing
Efke	efkechrome	1984-1999	?	100	color reversal E-6	Print	presumed to be rebranded Konica Chrome 100 (also known as Sakurachrome R-100)	Croatia (formerly Yugoslavia)	135	Nothing
Efke	efkecolor	1986-1999	?	100, 400	color C-41	Print	presumed to be rebranded Scotch Color Print 100 , manufactured by 3M	Yugoslavia	135	Nothing
Efke	efkecolor spektar	ca. 1992-?	?	100, 200, 400	color C-41	Print	presumed to be rebranded Konica Color Super SR	Croatia	135	Nothing
Efke	Super HG	ca. 1996-?	?	100	color C-41	Print	presumed to be rebranded Fujicolor Super G Plus	Croatia	135	Nothing

Eisenberger Trockenplattenfabrik Otto Kirschten was a German manufacturer of dry plates. [Eisenberger Trockenplattenfabrik \(https://nat.museum-digital.de/people/4399\)](https://nat.museum-digital.de/people/4399)

ERA

ERA's factory was originally founded in 1950 in Shantou, China. It was named Shantou ERA Limited Corporation (ERA) in 1999. Its main products were black and white film, resin coated papers and x-ray film. Kodak China acquired an 80% share of their assets in 1998 and reputedly invested in a color film line. Production of film emulsion seem to have ended, c2008.^[29]

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ERA	100	1999-c2008	T	100	B&W	Print	Traditional B&W film with anti-halation layer	China	135, Sheet film	Nothing

Ferrania

Ferrania was an Italian filmmaker based in Ferrania (Liguria), Italy founded in 1923 as a maker of photographic film, papers, and photographic equipment, including cameras. The company was purchased in 1964 by the 3M corporation (US) to become Ferrania 3M and made photographic film sold under the 'Scotch' brand. The films and data storage division was spun off from 3M in 1996 becoming [Imation](#). In 1999, Ferrania was acquired by Schroder Ventures and subsequently sold on to Gruppo Messina (Ignazio Messina & Co. S.p.A.) in 2000, as Ferrania Imaging Technology with film being sold again under the Ferrania brand. However photographic film manufacture ended in 2009. Whilst originally a producer of B&W cine/still films such as P30, as Ferrania 3M it became a significant producer of 'white label' consumer colour films for both retailers and traditional B&W film producers needing a colour film to repackage under their own brand. Examples include; Fortecolor film (also supplied by Konica), the [Boots UK](#) pharmacy chain color negative products from ca. 1973 until 2003 and [AgfaPhoto](#) color negative and slide films from 2005 until plant closure in 2009 (for Lupus Imaging). Ferrania Technology continues to produce chemicals for medical use and solar panels on part of the original factory complex whilst the film plant was demolished. In 2013 a new company was founded as FILM Ferrania to build a film manufacturing company using the former Ferrania Research laboratory building, its coating machine and other equipment salvaged from the original Ferrania production plant prior to its demolition.

Black and white film

- **P30** ISO 80. 135, 120, 127. Introduced in 1960 in three versions: Cinema, Leica and Portrait.
- **P33** 135, 120, 127
- **P3** 28 DIN. 135
- **P36** 26 DIN/320 ASA. 120

Color negative film

- **Ferrania Solaris** From early 2000 by Ferrania Imaging Technologies. It was also sold under different names of imported supermarket chains and under the name of several companies such as Polaroid, Samung and others
- **Ferrania Solaris FG 100** 135 (2000–2003)
- **Ferrania Solaris FG 200** 135, APS 110, 12 (2000–2003)
- **Ferrania Solaris FG 400** 135, APS (2000–2003)
- **Ferrania Solaris FG 800** 135 (2000–2003)
- **Ferrania Solaris FG 100 Plus** 135 (2003–2009)
- **Ferrania Solaris FG 200 Plus** 135, APS (2003–2009) (also 110, 126 to 2007)
- **Ferrania Solaris FG 400 Plus** 135 (2003–2009) FG 400i to c2005?
- **Ferrania Solaris FG 800 Plus** 135 (2003–2009) FG 800i to c2005?

Color reversal film

- **Ferraniacolor** 135, 120, photographic plate. Introduced in 1947 until the 1970s. it was available in sizes 135, 120, photographic plate
- **Scotch Chrome** ISO 100, 400, 1000. 135.

- **Imation Chrome** ISO 100, 400. 135.
- **Ferrania Solaris Chrome 100** [135]. 2000–2005

FILM Ferrania

FILM Ferrania s.r.l. is a photographic film manufacturing company located in Ferrania (Liguria), Italy. Following closure of the original Ferrania factory in 2009 the company was re-founded in 2013 on a small part of the original site to build a new film manufacturing base using the former Ferrania research laboratory (L.R.F.) and its narrow coater. FILM Ferrania commenced manufacturing a black and white still film in February 2017 based on P30, a classic 1960s motion picture film stock.

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Ferrania	P30 ALPHA	2017-2018	P	80	B&W	Print	Classic 1960s B&W panchromatic motion picture film for still photography. 'ALPHA' prototype version .Launched in February 2017, due to production constraints for 135 format conversion only a limited supply of film was made until early 2018 ^[30] A 120 format version had been planned for 2018, but was not produced. ^[31]	Italy	135-36	P30

Film Photography Project

Established in 2009 by Michael Raso, Film Photography Project (FPP) sources a variety of still films including those originally made for technical, motion pictures, industrial or aerial applications for creative purposes. Therefore, films are often available for a limited period.

Black and white films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FPP	Kodak Vintage 1960 Expired - Linagraph Ortho	-	?	0	B&W	Print	ASA 0, expired 9/1960. Film of this age and unknown storage will have a base fog	US	135-20	
FPP	Kodak Positive Microfilm	-	?	0.8	B&W	Print	Kodak Direct Duplicating Microfilm 2468 this film has no sprocket holes but also produces a black and white positive slide when processed normal Kodak BW Positive Microfilm	US	135-20	
FPP	Kodak Camera 2000 CGP	-	?	0.8	B&W	Print	Kodak Camera 2000 CG is an extremely high contrast, orthochromatic film	US	135-20	
FPP	Eastman SO-331 High Contrast	-	?	25	B&W	Print	Eastman SO-331 High Contrast Pan Film	US	135-20	
FPP	Kodak LPD4 High Contrast	-	?		B&W	Print		US	135	
FPP	Kodak Fine Grain 2366	-	?		B&W	Print		US	135	
FPP	KODAK HIGH CON 5363	-	?	25	B&W	Print	Eastman High Contrast 5363 is a motion picture film originally designed for direct contact copying titles and mats in motion picture work. This blue-sensitive film* is characterized by high contrast, excellent sharpness, and very high resolving power. DX Coded.	US	135-24	
FPP	Kodak Kodalith	-	?		B&W	Print		US	135	
FPP	BW IR	-	P	200	B&W	Print	Film with infra-red characteristics		135-24	
FPP	Mr Brown Low ISO	-	?		B&W	Print			135	

Color negative films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FPP	Red Scale	-	T/P						135	Nothing
FPP	Fuji ITn Color Negative	-	T/P	6	C-41	Print	Fujifilm IT-N - a film originally designed to make negatives from slides. Low-speed stock that leans towards green. Yields unusual skin tones and great for night shots.	Japan	135-20	Nothing

FPP	Color 125	-	T/P	100	C-41	Print	A subdued, unique, fine grained, color film with a retro look unlike other color print film. The film boasts an unusual color palette.		120	Nothing
FPP	Kodak Hawkeye Super Color	-	T/P	200 - 400	C-41	Print	Traffic Surveillance Film. Film is balanced for daylight or electronic flash and can be used under mixed lighting. T-Grain fine grain film with high sharpness. DX Coded for 200 iso.	US	135-24	Nothing

Color reversal (slide) films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FPP	Color IR	unavailable	T/P	400	E-6	Slide	Color Infrared Film is identical to Kodak Aerochrome III 1443 – a true color positive infrared film that produces a color slide.		135	Nothing
FPP	FUJICHROME CDU II TUNGSTEN	unavailable	T/P	20	E-6	Slide	Lab duplicating film, CDU II is a low-iso film designed to be shot in tungsten or indoor light, this film will produce a blue hue when shot in daylight. No DX coding	Japan	135-24	Nothing

Film Washi

Factory in Saint-Nazaire, France. Film Washi launched in 2013, producing a handcrafted film, handcoated on traditional Washi paper. Also converting other films industrially coated in larger factories and originally made for technical, motion pictures, industrial or aerial applications.

Black and white films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Film Washi	'G'	? -2018	P	80	B&W	Print	Green sensitive X-ray film ^[32]	France	Sheet film	Nothing
Film Washi	'K'	? -2018	P	100	B&W	Print	Vintage aerial film - Converted from 3 km of (expired 2000) Kodak Plus-X Aerographic Film 2402 ^[33]	France	Sheet film	Nothing
Film Washi	'B'	? -2018	P	125	B&W	Print	Blue sensitive X-ray film ^[34]	France	Sheet film	Nothing
Film Washi	'A'	- 2022	P	12	B&W	Print	Orthochromatic leader film normally used as leader and protection tail for motion picture film copy. Fine grain and a very high contrast. Discontinuation announced 30 May 2022, stated due to price increases for new stock. ^{[35][36]}	France	135	Nothing
Film Washi	'D'	- 2022	P	500	B&W	Print	Panchromatic Russian aerial surveillance negative film, offering high contrast and moderate grain. 75 µm base. Russian origin, Discontinuation announced 30 May 2022, stated due to war in Ukraine. ^[37]	Russia/ France	135	Nothing
Film Washi	'R'	- 2022	P	100	B&W	Print	Panchromatic paper designed for photo booth, converted and perforated to be used in classic 135 cameras. Russian origin, Discontinuation announced 30 May 2022, stated due to war in Ukraine. ^[38]	Russia/ France	135	Nothing
Film Washi	'S'	- 2022	P	50	B&W	Print	Panchromatic motion picture sound recording film very fine grain and ultra high definition. Discontinuation announced 30 May 2022, stated due to price increases for new stock. ^[39]	France	135, 120	Nothing

Colour film

- "X" - 400 iso (35mm), C-41 without mask, can be processed in E-6. Discontinued

Forte

Forte (Forte Photochemical Industry VAC) was a Hungarian manufacture of photographic film and paper products originally established in 1922. They ceased to manufacture products in January 2007. Only B&W films were coated by Forte. Colour films were supplied by other manufacturers, and packaged into Forte branding.

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Forte	Fortepan 100	? -2007	T	100	B&W	Print	Traditional B&W film	Hungary	120, 135	Nothing
Forte	Fortepan 200	? -2007	T	200	B&W	Print	Traditional B&W film	Hungary	120, 135, Sheet film	Nothing
Forte	Fortepan 400	? -2007	T	400	B&W	Print	Traditional B&W film	Hungary	120, 135, Sheet film	Nothing
Forte	Portrait pan 100	? -2007	T	100	B&W	Print	B&W film for portraits	Hungary	120	Nothing

Colour negative films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Forte	Fortecolor Super FG plus	? - c2000	T	100	C-41	Print	ISO 100 consumer color film - Ferrania Solaris FG	Italy, Hungary	135	Nothing
Forte	Fortecolor Super FR	c1990-2007	T	100	C-41	Print	Consumer color film - Konica Color Super SR or Scotch Color	Japan, Hungary	135	Nothing
Forte	Fortecolor Super FR	c1990-2007	T	200	C-41	Print	Consumer color film - Konica Color Super SR or Scotch Color	Japan, Hungary	135	Nothing
Forte	Fortecolor Super HR	? -2007	T	200	C-41	Print	Consumer color film - Konica Color Super SR200	Japan/Italy, Hungary	110	Nothing

FOTOIMPEX

FOTOIMPEX of Berlin, Germany, is a company founded in 1992 to import photographic films and papers from the former Eastern Bloc. They acquired the rights to the ADOX name in 2003. Two Black & White films produced by Harman Technology were sold under their own name.

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FOTOIMPEX	CHM 100	to ca. 2022	T	100	B&W	Print	General purpose, panchromatic film similar to Kentmere 100	UK	135	Kentmere 100
FOTOIMPEX	CHM 400	to ca. 2022	T	400	B&W	Print	General purpose, panchromatic film similar to Kentmere 400	UK	135	Kentmere 400

FOTON

FOTON was the brand name of Warszawskie Zakłady Fototechniczne (Warsaw Phototechnical works) a Polish state owned enterprise established in 1949 in Warsaw producing photographic film. The company was established in a surviving building from the former Jozef Franaszek works on Ul. Wolska (Wolska Street) which had produced photographic and other specialised paper. The Franaszek works was burnt out in the Wola massacre in 1944 during the Warsaw Uprising.

The company manufactured X-ray and black and white cinema film, still camera film (from 1950) and microfilm. At the end of the 1950s, FOTONKOLOR cinematographic positive film for making screen copies was launched and for a brief period colour negative film produced in the 1960s until a decision for the GDR (ORWO) to supply colour film in Comecon countries. Black and white papers and plates and photochemicals and later colour photographic papers under the FOTON brand were produced by a sister company at Bydgoskie Photochemical works dating from 1925 also in Warsaw at Ul. Garbary 3 (from 1970s at Ul. Piękna 13). In 1969 FOTON signed a licensing agreement with Ilford for the production of X-ray and photographic film, however various delays meant the new production line was not opened until the late 70s. FOTON ceased producing film in the 1990s. The buildings were taken over by FOTON Trading Sp. z o.o. and now they serve for commercial activity.^[40] Bydgoskie Photochemical works was acquired by Foma Bohemia in 1997 but due to decline of the traditional film market was declared bankrupt in 2007.

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
WZF		c1950-1955	T	40	B&W	Print	Fine grain orthopanchromatic film. The first film produced by Warszawskie Zakłady Fototechniczne. The trade names Foton or Fotopan had yet to be adopted. White packaging	Poland	120	Fotopan
FOTON	Fotopan	c1955-1958	T	40	B&W	Print	Fine grain orthopanchromatic film. Green packaging	Poland	120	Fotopan F
FOTON	Fotopan F	c1958-1974	T	50	B&W	Print	Fine-grained, orthopanchromatic, with anti-halation coating for amateur and professional photography in daylight and artificial light. Green packaging. 135 format was sold as Type 1, film in black wrapper (darkroom loading), Type 3 on a spool with paper leader (loading in dim light) and Type 4 in a film cartridge (daylight loading) ^[41]	Poland	135, 120, 127, 620	Fotopan FF
FOTON	Fotopan FF	c1974-mid 80s	T	50	B&W	Print	Panchromatic film. ISO 50 in daylight, 40 in tungsten. Green on white packaging.	Poland	135, 120, 635	Fotopan FL
FOTON	Fotopan FL	mid 80s-1990s	T	50	B&W	Print	Panchromatic film. Blue on white packaging but often packaged in the older Fotopan FF box with 'FL' stamped across due to a shortage of new materials	Poland	135, 120	Nothing
FOTON	Fotopan Super /S	c1958-mid 70s	T	100*	B&W	Print	Highly sensitive, orthopanchromatic, with anti-halation coating for photos in low daylight and artificial light. *ISO 100 later 125. Yellow packaging. 135 format was sold as Types 1, 3, 4 as Fotopan F	Poland	135, 120	Negatyw NB01
FOTON	Negatyw NB01	c1983 - ?	T	100	B&W	Print	General purpose Panchromatic film for amateur, professional, artistic and scientific photography. ^[42] Blue on white packaging	Poland	135, 120, 127, 620, 635	Foton 100
FOTON	100	1989-late 90s	T	100	B&W	Print	General purpose panchromatic film from the Bydgoskie works. Final film	Poland	120, 135	Nothing

							sold under the FOTON brand. ^[43]			
FOTON	Fotopan Ultra /U	mid 50s-early 70s	T	200	B&W	Print	Superpanchromatic emulsions with the highest sensitivity for night and reporter photos. Orange packaging	Poland	135, 120	Fotopan SR / N200
FOTON	Fotopan N200	early 70s - ?	T	200	B&W	Print	Superpanchromatic emulsion. In the 1970s FOTON received a large export order for a 200 speed film developed from Fotopan U and sold the surplus under its own brand as N200. black/orange packaging	Poland	135	Fotopan SR
FOTON	Fotopan SR	early 70s -80s	T	200	B&W	Print	Superpanchromatic successor to Fotopan U with improved emulsion.	Poland	135, 120	Nothing
FOTON	Negatyw NB04	c1983 - ?	T	200	B&W	Print	General purpose panchromatic film for use in amateur, professional, artistic and scientific photography. ^[44] Red on white packaging	Poland	135, 120, 127, 620, 635	Nothing
FOTON	Fotopan CD	early 70s - c1979	T	400	B&W	Print	Panchromatic film, manufactured to early 90s. Brown on white packing	Poland	135, 120	Fotopan HL
FOTON	Fotopan HL	c1979-1990s	T	400	B&W	Print	High speed panchromatic film, manufactured under licence from Ilford, based on HP4 film. Brown on white packing, later green on black	Poland	135, 120	Nothing
FOTON	Mikrofilm Negatyw	? - ?	T	?	B&W	Print	Fine-grain, ortho film for line reproduction of documents, prints and drawings.	Poland	135	Nothing

Colour film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FOTON	Fotonkolor NS	c1960-late 60s	T	32	?	Print	Negative daylight color film, speed initially ISO 32 later increased to ISO 50. Prices were cut by 25% in 1963 from 20zł to 15zł for a 120 roll film. ^[41] The film was discontinued due to a decision for the GDR (ORWO) to supply colour film in COMECON countries. The colour coating plant was moved to the Bydgoskie works and used to produce colour photographic papers.	Poland	120, 127, 135, Sheet film	Fotopan

Fuda

Xiamen Fuda Photographic Materials or Fuda was a Chinese manufacturer of photographic material based in Shanghai China. In 1984, Kodak helped Fuda build their color film production line with color film being produced under license from Kodak.^[45] Kodak china acquired their assets in 1998.^[29]

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FUDA	Fudapan	? - ?	T	100	B&W	Print	Traditional B&W film	China	120	Nothing

Colour negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FUDA	Color 100	c1984- c1990	T	100	C-41	Print	Consumer color film	China	135	Nothing
FUDA	Color GA 100	c1990- ?	T	100	C-41	Print	Consumer color film	China	135	Nothing

Fujifilm

FUJIFILM is a Japanese manufacturer of photographic films, papers and cameras established in 1934. Fujifilm stopped making traditional black and white films and photographic papers in 2018 but in 2019 announced a return to black and white film.^[46] They also produce a range of traditional color negative and reversal films (and associated photographic papers and photochemicals) as well as instant film. See [Fujifilm photographic films](#) and [List of photographic films](#). Historically, however, they were one of the major producers of colour negative and slide films producing a wide range of own brand professional and consumer films in competition with Kodak and Agfa-Gevaert. (The other main colour film producers; Konica and 3M Ferrania

specialising in 'white label' consumer product). The film range is divided into black and white film Neopan, Color negative film Fujicolor and Colour slide film Fujichrome together with instant 'pack film'. They also undertook contract manufacture for AGFA PHOTO colour negative/slide films from c2008-2018.^{[47][48]}

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FUJIFILM	<u>Neopan 100 SS</u>	? -2012	T	100	B&W	Print	General purpose classical cubic-crystal ortho-panchromatic film with wide exposure latitude. Asia and selected markets only (Parallel import elsewhere) ^[49]	Japan	135	ACROS 100
FUJIFILM	<u>Neopan ACROS 100</u>	? - Apr 2018	T/P	100	B&W	Print	Fine grain ortho-panchromatic 'T' grain film noted for its low rate of reciprocity failure making it ideal for long exposures. 135, 120 (T base), 4x5", 8x10" (P base). Sheet film was discontinued May 17. ^[50] 135 and 120 formats were discontinued in April 2018. 120 format was sold out by June 2018, while 135 format remained on sale until Jan-May 2019 (Varies by market). As Fujifilm's final Black and white process film - Fujifilm black and white papers were discontinued in Japan at the same time. ^{[51][52]}	Japan	135, 120, "4x5", 8"x10"	ACROS II
FUJIFILM	<u>Neopan 400 Professional</u>	? -2014	T	400	B&W	Print	Professional general purpose monosize cubic-crystal grain panchromatic film. Called 'Presto' in Japan.	Japan	135, 120	Nothing
FUJIFILM	<u>Neopan 1600 Professional</u>	? -2010	T	1600	B&W	Print	Professional high speed panchromatic film with E.I. 1600 for sports, journalism, stage shows and low light situations. Called 'Super Presto' in Japan. Same development time as Neopan 400.	Japan	135	Nothing
FUJIFILM	<u>Neopan 400CN</u>	2003-2020	T	400	C-41	Print	General purpose C-41 process chromogenic black and white film. ^[53] Ilford were Fuji's partners for this film which has therefore similar characteristics to Ilford XP2 plus. UK market only. Discontinued in 2020. ^[54]	UK	135-36, 120 (UK only)	Nothing

Color negative film

- 200 ISO (135)
- 100 ISO HR
- 100 ISO Super HR CN 135/120 (Practical photography July 1989)
- 200 ISO Super HR CA 120
- 400 ISO Super HR CH 135/120
- 1600 ISO Super HR CU 120
- 200 ISO Super HQ (135)
- 200 ISO Super HG II (135) 4th color-sensitive emulsion layer; Captures true color even under fluorescent lights; Two-Stage Timing DIR Couplers improve color brilliance; Enhance edges for outstanding sharpness^[55]
- 400 ISO Super HG c1991 on (DIRR couplers, sigma crystal emulsion)^[56]
- 1600 ISO Super HG (135) 135-36
- 100 ISO Super G (110) ? -1995
- 100 ISO Super G Plus (135) 1995-2000 "Plus films" = "RT (Real-Tone) Tech-nology" controls the interlayer (color saturation en-hancing) effect to produce natural, fine textured skin tones and "ELS (Emulsion Layer Stabilizing) Technology." film stabiliser to maintain control the more than 100 organic chemical compounds found in the Super G Plus films^[57]
- 200 ISO Super G plus (110, 135) 1995-2000
- 400 ISO Super G plus (135, 120) 1995-2000
- 800 ISO Super G Plus CZ (135) 1995-2000
- 100 ISO Quality (135) (Brazil)
- 100 ISO Quality II (135) (Brazil)
- C100 ISO Basic color film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Consumer films										
FUJIFILM	Fujicolor Superia Reala	1989-2013	T	100	C-41	Print	A premium ISO 100-speed emulsion delivering exceptional color accuracy. The finest, smoothest grain and the best sharpness of all Superia films. First 4th layer technology film for improved colors (no greenish cast) under fluorescent lighting later extended to fujifilm Superia and Pro color negative films (CS). Last available in 120 format ^{[58][59][60]}	Japan	135, 120, 220	Nothing
FUJIFILM	Fujicolor Superia 100	1998–2009?	T	100	C-41	Print	General purpose consumer color film using 4th layer technology (CN).	Japan	135, 120	Fujicolor 100 (Japan only)
FUJIFILM	FujiColor C200	c1990-2021	T	200	C-41	Print	General purpose budget color film updated 2017 with super fine grain technology. No official discontinuation announcement but now replaced by 'Fujifilm 200' in new packaging ^[61] Multipacks and 24 exp rolls discontinued 2017. (Code CA24). Discontinued US market from 2021 and Europe 2022 on.	Japan	135-36	Fujifilm 200
FUJIFILM	Fujicolor Superia 200	1998–2017	T	200	C-41	Print	General purpose consumer color film using 4th layer technology (CA). Along with the iso 400 variant, the ubiquitous consumer film of the late 90s/early 2000s competing with Kodacolor Gold 200/400. On discontinuation older tech Fujifilm C200 advised as alternative. ^[62]	Japan	135	Fujicolor C200
FUJIFILM	Fujicolor Superia 400	? - c2003	T	400	C-41	Print	General purpose consumer color film. Replaced by X-tra 400 with sigma fine grain technology from Pro films.	Japan	135	Superia X-tra 400
FUJIFILM	Fujicolor True Definition 400	c2004–?	T	400	C-41	Print	General purpose consumer color film using 4th layer technology, US market only. More natural colors than Superia 400 (CH-11)	Japan	135	Superia X-tra 400
FUJIFILM	Fujicolor 400 (Fujicolor F-II 400 prior 1980)	1976-2017	T	400	C-41	Print	World first 400 ASA film. Announced at Photokina 1976. Renamed Fujicolor 400 in 1980. General purpose color film sold in 24 or 36 exp packs. Sold in plain white box to companies. Available in 100 pack. Also sold individually by retailers as a budget film. Discontinued 2017. (Edge markings same as Superia X-tra 400). Parallel import elsewhere	Japan	135	
FUJIFILM	Fujicolor Superia X-tra 800	2000–2016	T	800	C-41	Print	General purpose consumer color film using 4th layer & sigma fine grain technology (CZ). Superia 800 branded	Japan	135-36	Venus 800 (Japan)

							stock discontinued 2016 outside Japan with final stock dated exp. 8/18. Japanese market version, Venus 800 remained on sale for a further 3 years.			
FUJIFILM	FujiColor Superia Venus 800	? - May 2019	T	800	C-41	Print	High speed consumer color film using 4th layer and nano grain technology aimed at zoom lens compact cameras. ^[63] Superia X-tra 800 discontinued 2016 outside Japan. Venus 800 Japanese market variant, parallel import elsewhere. Discontinuation in Japan announced May 2019. European retailers also reported parallel imports have stopped. Stock in Japan lasted until Spring 2020. The 800 iso waterproof camera was discontinued at the same time.	Japan	135-27 /36	Nothing
FUJIFILM	Fujicolor Superia 1600/ Natura 1600	2003–2017	T	1600	C-41	Print	General purpose high speed color film using 4th layer & sigma fine grain technology (CU). Superia 1600 discontinued 2016 outside Japan, with final stock dated exp. 8/18. Natura 1600 the Japanese market version continued on sale, parallel import elsewhere. Natura discontinued Oct 2017, stock lasted on sale to mid 2018. ^[64]	Japan	135-36	Nothing
Professional films										
FUJIFILM	Fujicolor Press 400	? - ?	T	400	C-41	Print	Professional version of Superia 400 (cold stored)	Japan	135	Nothing
FUJIFILM	Fujicolor Press 800	? - c2008	T	800	C-41	Print	Professional version of Superia 800 (cold stored). Last batch exp. 2009	Japan	135	Nothing
FUJIFILM	FujiColor Press 1600	? - ?	T	800	C-41	Print	Professional version of Superia 1600 (cold stored)	Japan	135	Nothing
FUJIFILM	FujiColor NPL 160	? -2004	T	160	C-41	Print	Professional Tungsten balanced color film primarily for studio portraits and copying, suitable for 'Long exposures. Not carried forward into Pro line	Japan	135, 120, 220	Nothing
FUJIFILM	FujiColor NPC 160	? -2004	T	160	C-41	Print	Daylight-type color negative film designed for professional use, higher 'Contrast than NPS'	Japan	135, 120, 220	Pro 160C
FUJIFILM	FujiColor NPS 160	? -2004	T/P	160	C-41	Print	Daylight-type color negative film for 'Short exposures designed for professional use. 120, 220 (T base), 4x5", 8x10"(P base)	Japan	120, 220, sheet film	Pro 160S
FUJIFILM	Fujicolor Pro 160C	2004–2010	T	160	C-41	Print	Daylight-type colour negative film with 4th color layer & sigma fine grain technology designed for professional use, featuring a gradation design optimized for exposures requiring high-contrast results.	Japan	135, 120, 220	Nothing

FUJIFILM	Fujicolor Pro 160S	2004–2010	T/P	160	C-41	Print	Daylight balanced natural color professional film with 4th color layer & sigma fine grain technology, featuring more highly optimized skin tone reproduction and neutral gray balance, especially important for wedding and portrait photography. Renamed Pro 160NS in 2010. 120, 220 (T base), 4x5", 8x10"(P base)	Japan	135, 120, 220, Sheet film	Pro 160 NS
FUJIFILM	Fujicolor Pro 160NS	2010-2021 (To 2017 UK, 2018 rEU)	T	160	C-41	Print	Professional color film with 4th color layer offering fine grain, low contrast and natural skin tones for weddings, portraits, fashion. Europe, Asia and Australia markets, renamed from 160S. Discontinued; 220, sheet film (2016), 120 (UK late 2017, rest of Europe late 2018) ^{[65][66][67][68][69][70]} and Japan October 2021, which ended the Fujicolor Pro range of colour negative films, predicted end of supply March 2022 but sold out almost immediately in Japan. ^[71]	Japan	120, Sheet film	Nothing
FUJIFILM	FujiColor NPH 400	2002–2004	T	400	C-41	Print	Professional fine-grained 400 speed film now features improved skin tones, much more accurate color reproduction, better shadow detail, and wider exposure latitude. It features Fuji's new peel and stick paper backing. Renamed in 2004 Pro 400H with no change to the emulsion.	Japan	135, 120, 220	Pro 400H
FUJIFILM	Fujicolor Pro 400H	2004-2021	T	400	C-41	Print	Professional color film with 4th color layer offering fine grain, low contrast and natural skin tones for weddings, portraits, fashion, renamed from NPH400 at launch of the Pro 160S/C emulsions. ^[72] Discontinued; 220 format in 2013, end of 135 and 120 formats in all markets was announced 14 January 2021 due to difficulty sourcing some raw materials. End of supply; (135 format) immediate, (120 format) March 2022, later brought forward to June 21 in Japan due to demand, final stock remained on sale in Europe to Summer 2022. ^{[73][74][75][76]}	Japan	135–36, 120	Nothing
FUJIFILM	FujiColor NPZ 800	2002–2004	T	800	C-41	Print	Professional fine-grained 800 speed film now features improved skin tones, much more accurate color reproduction, better shadow detail, and wider exposure latitude. It features Fuji's new peel and stick paper backing. Renamed in 2004 Pro 800Z with no change to the emulsion.	Japan	135, 120, 220	Pro 800Z

FUJIFILM	Fujicolor Pro 800Z	2004–2009	T	800	C-41	Print	Fine grain high speed natural color professional film for Weddings, portraits, fashion with 4th color layer, Renamed from NPZ 800 to bring it into line with the new 160 line of films	Japan	135, 120, 220	Nothing
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Colour reversal (slide) film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FUJIFILM	FujiChrome Velvia RVP	1990–2003	T	50	E-6	Slide	Velvia for Professionals (RVP). Professional-quality, medium-speed, daylight-type color reversal film with high sharpness, highly saturated colors, and fine grain for landscapes, marine and product photography. Sheet film 4x5, 8x10	Japan	135, 120, 220, Sheet film	Velvia RVP50
FUJIFILM	FujiChrome Velvia 100F	2003-2021 (To 2012 Eur. NOAM)	T/P	100	E-6	Slide	Professional-quality, medium-speed, daylight-type color reversal film with ultrafine grain, designed to produce high-contrast images with the highest color saturation among 100F series films for landscape, nature, commercial, food, and interior applications (RVP100F). Sheet film 4x5, 8x10. All formats discontinued 2012 outside Japan, ^{[77][78]} Discontinued in Japan; 120 (2015) ^{[79][80]} Sheet film; 4x5, 8x10 remained on sale until 2021. ^{[81][82][83]}	Japan	135, 120, 220, Sheet film	Nothing
FUJIFILM	FujiChrome Astia 100	1997–2003	T/P	100	E-6	Slide	Professional-quality, medium-speed, daylight-type color reversal film with ultrafine grain, subdued color reproduction and the softest tone reproduction among the 100 ISO films. Portrait/fashion orientated film with soft tones and lower contrast (RAP100). Sheet film 4x5, 8x10	Japan	135, 120, 220, Sheet film	Astia 100F
FUJIFILM	FujiChrome Astia 100F	2003–2012	T/P	100	E-6	Slide	Professional-quality, medium-speed, daylight-type color reversal film with ultrafine grain, subdued color reproduction and the softest tone reproduction among the 100F films. Portrait/fashion	Japan	135, 120, 220, Sheet film	Nothing

							orientated film with soft tones and lower contrast (RAP100F). Sheet film 4x5, 8x10			
FUJIFILM	FujiChrome Fortia/Fortia SP	2004–2007	T	50	E-6	Slide	A Japan only ultra high saturation slide film released for the cherry blossom season, possibly a variant of Velvia 50. Initially released a limited run in 2004 as Fortia, following by Fortia SP (2005–07)	Japan	135, 120	Nothing
FUJIFILM	FujiChrome 100 Professional D	1978–1994	T	100	E-6	Slide	Professional-quality, medium-speed, daylight-type color reversal film with ultrafine grain, designed to provide medium color saturation and contrast (RDP).	Japan	135, 120	Provia 100
FUJIFILM	FujiChrome Provia 100	1994–2000	T	100	E-6	Slide	Professional-quality, medium-speed, daylight-type color reversal film with ultrafine grain, designed to provide medium color saturation and contrast (RDP11).	Japan	135, 120	Provia 100F
FUJIFILM	FujiChrome 400 Professional D	1980–1994	T	400	E-6	Slide	Professional-quality, high-speed, daylight-type color reversal film with the finest grain in its class and highly saturated colors (RHP). Suited to such uses as sports photography, reportage, and stage show coverage. Emulsion changes were made in 1992.	Japan	135, 120	Provia 400
FUJIFILM	FujiChrome Provia 400	1994–2000	T	400	E-6	Slide	Professional-quality, high-speed, daylight-type color reversal film with the finest grain in its class and highly saturated colors (RHP11). Suited to such uses as sports photography, reportage, and stage show coverage	Japan	135, 120	Provia 400F
FUJIFILM	FujiChrome Provia 400F	2000–2006	T	400	E-6	Slide	Professional-quality, high-speed, daylight-type color reversal film with the finest grain in its class and highly saturated colors (RHP111). Suited to such uses as sports photography, reportage, and stage show coverage	Japan	135, 120	Provia 400X
FUJIFILM	FujiChrome Provia 400X	2006–2013	T	400	E-6	Slide	Professional-quality, daylight-type ISO 400 color reversal film, fine grain (Epitaxial Sigma Crystal technology) and sharpness, vivid color reproduction and	Japan	135, 120	Nothing

							regulated gray balance to match Provia 100F with improved colour image storage permanence (RXP)			
FUJIFILM	FujiChrome 1600 Professional D	? -1994	T	1600	E-6	Slide	Highly suited for low light photography, this film is appropriate to indoor and nighttime sports as well as nightfall illuminated and available light photography (RSP)	Japan	135	Provia 1600
FUJIFILM	FujiChrome Provia 1600	1994- ?	T	1600	E-6	Slide	Highly suited for low light photography, this film is appropriate to indoor and nighttime sports as well as nightfall illuminated and available light photography (RSP II)	Japan	135	Nothing
FUJIFILM	FujiChrome 64 Professional Type T	1979-1999	T/P	64	E-6	Slide	Professional-quality, medium-speed, tungsten-type color reversal film with natural color reproduction for product photography, interiors and for reproducing illustrations and paintings (RTP). Emulsion changed in 1983 and name changed to FujiChrome Professional T. Emulsion changed again in 1987	Japan	135, 120, Sheet film	FujiChrome 64T
FUJIFILM	FujiChrome 64T	1999-2005	T/P	64	E-6	Slide	Professional-quality, medium-speed, tungsten-type color reversal film with natural color reproduction for product photography, interiors and for reproducing illustrations and paintings (RTP II).	Japan	135, 120, Sheet film	FujiChrome T64
FUJIFILM	FujiChrome T64	2005- ?	T/P	64	E-6	Slide	Professional-quality, medium-speed, tungsten-type color reversal film with natural color reproduction for product photography, interiors and for reproducing illustrations and paintings (RTP III?). Sheet film 4x5, 8x10 ^[84]	Japan	135, 120, Sheet film	Nothing
FUJIFILM	FujiChrome Sensia 100	1994-1997	T	100	E-6	Slide	General purpose consumer, daylight-type color reversal film with faithful color reproduction and fine grain (RA)	Japan	135	FujiChrome Sensia II 100
FUJIFILM	FujiChrome Sensia II 100	1997-2003	T	100	E-6	Slide	General purpose consumer, daylight-type color reversal film with faithful color	Japan	135	FujiChrome Sensia III 100

							reproduction and fine grain (RAII)			
FUJIFILM	FujiChrome Sensia III 100	2003–2011	T	100	E-6	Slide	General purpose consumer, daylight-type color reversal film with faithful color reproduction and fine grain (RAIII). ^[85]	Japan	135	Nothing
FUJIFILM	FujiChrome Sensia 200	1994–2010	T	200	E-6	Slide	General purpose consumer, daylight-type color reversal film with faithful color reproduction and fine grain (RM).	Japan	135	Nothing
FUJIFILM	FujiChrome Sensia 400	1994–2010	T	400	E-6	Slide	Multi-use, high-speed, daylight-type color reversal film providing fine grain and vibrant color reproduction in spite of its high speed for sports, portraiture, nighttime photography, astrophotography, portraiture, and snapshots (RH).	Japan	135	Nothing
FUJIFILM	FujiChrome MS 100/1000	? - ?	T	100/1000	E-6	Slide	Variable ISO Slide Film.	Japan	135, 120	Nothing

Instant film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
FUJIFILM	Instant Color Film FP-100C/FP-100C Silk	2003–2016	T	100	Instant	Print	Professional peel-apart type ISO 100 instant color film for daylight / electronic flash suited for identification, portraiture and other general imaging applications. 10-exposure packs. Gloss or Silk finish. Traditionally used with medium format camera instant backs for studio test shots but high volumes also used for visas and other identity documents. Discontinuation of pack film in 2016 made a large amount of camera equipment redundant. Photosize 85x108mm & 102x131mm. ^{[86][87]}	Japan	3.25x4.25", 5x4"	Nothing
FUJIFILM	Instant Black & White Film FP-3000B Super Speedy	2003–2013	T	3000	Instant	Print	Professional peel-apart panchromatic material suited for identification, portraiture and other general imaging applications. 10 exposure packs. Photosize 85x108mm and 102x131mm. ^{[88][89]}	Japan	3.25x4.25", 4x5"	Nothing

Gigabit

- Type: Black and white
- Speed: ISO 40, DIN 17°
- Available formats: 35 mm

- Granularity: Extremely fine
- Resolving power: Extremely high
- History: said to be Agfa Copex micrography film, sold with special low-contrast developer to increase dynamic range
- Primary usage: General black-and-white photography, with scanning in mind
- General characteristics: PET base for better film flatness, strong contrast and low exposure tolerance, fine grain not much subject to grain aliasing in usual resolution scans^[90]
- Discontinued

Herzog

Johannes Herzog & Co. was a German manufacturer of photographic materials: since 1988 dry plates ("Sonja EW"), B&W films (1901 - 1964), 1929 "Duxochrom" (sold in USA as "Colorstil") and Roentgen X-ray films

Ilford



Herzog Film

Ilford is a UK manufacturer of photographic materials based in Mobberley, Cheshire known worldwide for its black and white films, papers and chemicals. Following bankruptcy in 2004 it was rescued in a management buy out and is now a brand of Harman Technology Ltd trading as Ilford Photo. Discontinued film versions include:

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ILFORD	Pan F	? - ?	?	50	B&W	Print	Fine grain <u>Panchromatic</u>	UK	?	Pan F Plus
ILFORD	FP	1934–1939	?	40	B&W	Print	General purpose panchromatic film.	UK	?	FP2
ILFORD	FP2	1939–1942	?	40	B&W	Print	General purpose panchromatic film.	UK	?	FP3
ILFORD	FP3	1942–1968	?	64/125	B&W	Print	General purpose panchromatic film. Originally 64 ASA, changed to 125 ASA in 1960.	UK	?	FP4
ILFORD	FP4	1968–1990	?	125	B&W	Print	General purpose panchromatic film.	UK	?	FP4 Plus
ILFORD	HP	1935–1939	?	100	B&W	Print	High speed traditional panchromatic emulsion.	UK	?	HP2
ILFORD	HP2	1939–1941	?	100	B&W	Print	High speed traditional panchromatic film. This film was essentially the same as HP3. The difference in specified sensitivity reflects a safety factor that the manufacturer deemed necessary before general availability of exposure meters.	UK	?	HP3
ILFORD	HP3	1941–1969	?	200/400	B&W	Print	High speed traditional panchromatic film. Between 1965 and 1969 it appears that both HP3 and HP4 were available. The <u>Ilford HP</u> page contains conflicting information about the sensitivity.	UK	5x4-inch glass plate	HP4
ILFORD	HP4	1965–1976	?	400	B&W	Print	High speed traditional panchromatic film.	UK	120, 135	HP5
ILFORD	HP5	1976–1989 (?)	?	400	B&W	Print	High speed traditional panchromatic film. The discontinued date of this film was well into the late 1990s.	UK	120, 135	HP5 Plus
ILFORD	HPS	1954–1998	?	800	B&W	Print	Very high speed traditional panchromatic film. The <u>Ilford HP</u> page has conflicting information about the sensitivity	UK	?	<u>Ilford Delta 3200</u>
ILFORD	Mark V	? - ?	?	?	B&W	Print	Origin uncertain, possibly motion picture stock	UK	?	Nothing
ILFORD	XP-1	1981–1993	T	400	C-41	Print	As a chromogenic film, XP-1 it can be exposed with an <u>exposure index</u> from ISO 50/18° to 800/30° on a single roll and be developed in traditional <u>C-41</u> processing.	UK	120, 135	XP-2

ILFORD	XP-2	1991-1996	T	400	C-41	Print	As a chromogenic film, XP-2 it can be exposed with an exposure index from ISO 50/18° to 800/30° on a single roll and be developed in traditional C-41 processing.	UK	120, 135	XP-2 PLUS
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Colour negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ILFORD	Super HR	1985-1988	T	100	C-41	Print	General purpose colour negative, repackaged Agfacolor XR	UK	135	Nothing

Kodak

Eastman Kodak was founded in 1888. During most of the 20th century, Kodak held a dominant position in photographic film. However Kodak struggled to manage the transition to digital photography and filed for Chapter 11 bankruptcy in 2012. Whilst Kodak films for still cameras continue to be manufactured by Eastman Kodak in Rochester, New York, US since its Chapter 11 bankruptcy they are now sold and marketed by Kodak Alaris, a separate company controlled by the Kodak UK Pension fund based in Hertfordshire, UK.^[91]

See web page taphilo.com^[92] for a list of Kodak film number to film type.

Black and white film

Discontinued Kodak black and white films



Kodak Verichrome Pan 620
Fast Panchromatic Film
(Expired July 1957)



Kodak Super-XX
Panchromatic High Speed
120 Film (Expired
December 1939)



Kodak Panatomic-X 35mm
Film (Expire July 1944)



Kodak Academy 200

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Kodak	Verichrome Safety Film	1931–1956	T	?	B&W	Print	Orthochromatic B&W film. WRATTEN & WAINWRIGHT VERICHROME was introduced around 1907/8 offering greater spectral sensitivity and speed compared to contemporary emulsions of the time. The company was bought by KODAK in 1912. In 1931 KODAK released the film on a safety base as a Roll film, with greater latitude and finer grain than the KODAK NC (Non-Curling) Film that had been the standard since 1903. Replaced by Kodak Verichrome Pan (Panchromatic) film in 1956.	US	101, 103, 105, 116, 118, 120, 122, 124, 126 (roll film), 127, 130, 616, 620	Kodak Verichrome Pan
Kodak	Panatomic X	1933–1987	T	32/40	B&W	Print	Very fine grain general purpose film Speed: 32 ASA (Kodak Publication No. R-20, 3rd Edition, 1967), 40 ASA/17° DIN (Kodak publication FF1062, 1965), 40 ASA (Kodak Publication No. F-13, 2nd Edition, 1965) ^[93]	US	120, 127, 135, 828	TMAX 100 Was also available in 120 format.
Kodak	Super-XX	1940–1992	T	200	B&W	Print	Kodak's standard high-speed film from 1940 to 1954, when Tri-X was introduced in smaller formats. Discontinued before 1960 in roll-film formats, but sheet film was available until 1992. Originally 100, later 200 iso when safety factor was reduced in 1960. Relatively coarse grain. Very long, almost perfectly straight-line characteristic curve, great latitude made it ideal for variable developments, both longer and shorter, water-bath development, special compensating formulas.	US	Sheet film, 116, 118, 120, 122, 124, 127, 130, 616, 620	Tri-X
Kodak	Verichrome Pan	1956–2002	T	80/125	B&W	Print	General purpose medium-speed (EI 125) panchromatic film that features extremely fine grain with excellent gradation and wide exposure latitude. (Early 620: EI 80	US	110, 116, 616, 118, 120, 620, 122, 124, 126 (cartridge), 127, 130, 828	Nothing

							Daylight, 60 Tungsten) . This film has characteristics similar to those of KODAK PLUS-X Pan Professional Film, but does not have retouching surfaces. Also 8" x 5 feet format for Cirkut cameras. ^[94] 122 discontinued in 1971, 116 and 616 discontinued in 1984.			
Kodak	Plus X Pan	1954–2011	T	125	B&W	Print	Plus X Pan (PX) and PLUS-X Pan Professional (PXP) films are general purpose medium-speed panchromatic films for outdoor or studio photography with extremely fine grain and excellent sharpness. (Originally ASA 50 later ISO 125). PX in 135 format and (PXP) 120, 220 formats with a retouching surface on the emulsion side. ^{[95][96]}	US	135, 120, 220	Nothing
Kodak	EKTAPAN	? -2002	T	100	B&W	Print	Very Fine grain film for portraiture and close-up work with electronic flash, and for commercial, industrial, and scientific applications. Formats: 4"x5", 5"x7", 8"x10", and 11"x14" sheets, long rolls ^{[97][98]}	US	Sheet film	Nothing
Kodak	<u>Technical Pan</u>	c1984–2004	T/P	25	B&W	Print	An ultra-high definition high-contrast microfilm emulsion that was made panchromatic through the addition of sensitizing dyes. Special developer is needed to tame the extreme contrast for use in pictorial photography. Type 2415 in 135 and 4-inch x 5-inch sizes with 4-mil (P)base with light piping suppressing layer and 6415 Film in 120 size with a 3.6-mil (T) base. ^[99]	US	135, 120, 4"x5"	Nothing
Kodak	Academy/ Panchromatic 200	? -2000	T	400	B&W	Print	Low cost wide latitude black and white film marketed in Europe, Asia and India. Coarse grained and low resolution film reminiscent of Super-XX. Very tolerant of processing variations allowing contrast adjustment	US	135	Nothing

							by altering development times. "Kodak Panchromatic 200" in the Philippines from c1995–2000.			
Kodak	High Speed Infrared	? -2007	P	80	B&W	Print	Infrared sensitive high-speed film with moderately high contrast, sensitive to light and radiant energy to 900 nanometres (nm). It is useful for haze penetration and for special effects in commercial, architectural, fine art, and landscape photography. EI 80 (daylight) 200 (tungsten)(HIE) ^[100]	US	135, 120, 220, sheet film	Nothing
Kodak	T400CN	? -2004	T/P	400	C-41	Print	General purpose C41 process chromogenic B&W film with wide exposure latitude. ^[101]	US	135, 120, 220, 4x5"	BW400CN
Kodak	BW400CN	2004–2014	T	400	C-41	Print	General purpose C41 process chromogenic B&W film with wide exposure latitude. Competitor to Ilford XP2 Super. ^{[102][103]}	US	135, 120, 220	Nothing

Color negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Kodak	<u>Kodacolor</u>	1942–1963	T	25/32	C-22	Print	General purpose consumer colour film. Initially processing was included, but following antitrust legislation in 1950s, independent processing using C-22 process became available. Type A (suffix), indicated balanced for 3400K photolamps. 135 format added from 1958.	US	135, 120, 620, 116, 616, 127, 122	Kodacolor X
Kodak	<u>Kodacolor X</u>	1963–1975	T	64/80	C-22	Print	General purpose consumer colour film. It was introduced along with the Kodak Instamatic cameras which use 126 film. Initially 64 ISO later increased to 80 ISO	US	135, 120, 620, 116, 616, 126, 127, 828	Kodacolor II
Kodak	<u>Kodacolor II</u>	1972–1983	T	80/100	C-41	Print	First general purpose consumer colour film, using new C-41 process. Introduced with launch of the new 110 film cartridge. Initially 80 ISO, increased to 100 ISO from 1975	US	110, 135, 120, 620, 116, 616, 126, 127, 828	Kodacolor VR 100
Kodak	<u>Kodacolor 400</u>	1977–1983	T	400	C-41	Print	High speed general purpose consumer colour film, 120 from 1978.	US	110, 135, 120	Kodacolor VR 400
Kodak	<u>Kodacolor HR</u>	1982–1983	T	200?	C-41	Print	General purpose consumer colour film for disc cameras. It was Kodak's first color negative film to use their T-Grain technology and improved cyan coupler. Quickly replaced with VR series for all film types.	US	Disc	Kodacolor VR 200
Kodak	<u>Kodacolor VR 1000</u>	1983–1989	T	1000	C-41	Print	Very high speed general purpose consumer colour film, possible due to new T-Grain technology introduced with HR Disc films.	US	135	Kodak Ektar 1000
Kodak	<u>Kodacolor VR 100</u>	1982–1986	T	100	C-41	Print	General purpose consumer colour film. Emulsion re-introduced in 1990 as 'Kodacolor 100' budget film in 135 format (not us market) (CP)	US	135, 120	Kodacolor VR-G 100
Kodak	<u>Kodacolor VR 200</u>	1982–1986	T	200	C-41	Print	General purpose consumer colour film. Emulsion re-introduced in 1990 as 'Kodacolor 200' budget film (not us market), later improved version (VR-G?) ColorPlus (CL)	US	110, 135, 120, 620, 126, 127, Disc	Kodacolor VR-G 200
Kodak	<u>Kodacolor VR 400</u>	1982–1988	T	400	C-41	Print	General purpose consumer colour film.	US	110, 135, 120	Kodacolor VR-G 400

							110, 135 discontinued in 1986. (CM)			
Kodak	<u>Kodacolor VR-G 100</u>	1987–1988	T	100	C-41	Print	General purpose consumer colour film. First generation 'gold' film (CA)	US	135, 120	Kodacolor Gold 100
Kodak	<u>Kodacolor VR-G 200</u>	1987–1988	T	200	C-41	Print	General purpose consumer colour film. First generation 'gold' film (CB)	US	110, 135, 120, 620, 126, 127	Kodacolor Gold 200
Kodak	<u>Kodacolor VR-G 400</u>	1987–1988	T	400	C-41	Print	General purpose consumer colour film. First generation 'gold' film (CC)	US	135, 120	Kodacolor Gold 400
Kodak	<u>Kodacolor Gold 100</u>	1988–1997	T	100	C-41	Print	General purpose consumer colour film. Only 120 format Gold film. (GA)	US	135, 120	Kodak Gold 100
Kodak	<u>Kodacolor Gold 200</u>	1988–1997	T	200	C-41	Print	General purpose consumer colour film (GB). 620 and 127 discontinued in 1995.	US	110, 135, 120, 620, 126, 127	Kodak Gold 200
Kodak	<u>Kodacolor Gold 400</u>	1988–1997	T	400	C-41	Print	General purpose consumer colour film (GC)	US	135, 120	Kodak Gold 400
Kodak	<u>Ektar 25</u>	1989–1997	T	25	C-41	Print	Professional color film launched at Photokina in 1988 with ultra fine grain, intended to provide the enhanced color saturation and high acutance associated with color slide emulsions. 135 format discontinued in 1994 and renamed Royal Gold.	US	135, 120	Royal Gold 25
Kodak	<u>Ektar 125</u>	1989–1991	T	125	C-41	Print	Professional color film with ultra fine grain. The 125 ISO was a poor seller and replaced by a 100 ISO film	US	135, 120	Ektar 100 (1991)
Kodak	<u>Ektar 100</u>	1991–1997	T	100	C-41	Print	Professional color film with ultra fine grain. 135 format discontinued in 1994 and renamed Royal Gold.	US	135, 120	Royal Gold 100
Kodak	<u>Ektar 1000</u>	1989–1997	T	1000	C-41	Print	Professional color film with ultra fine grain. 135 format discontinued in 1994	US	135, 120	Royal Gold 1000
Kodak	<u>Portra 160 NC</u>	1998–2011	T/P	160	C-41	Print	Professional color film, 'Natural Color' for subtle color and natural skin tones in controlled lighting situations	US	135, 120, 220, Sheet film	Portra 160
Kodak	<u>Portra 160 VC</u>	1998–2011	T/P	160	C-41	Print	Professional color film, 'Vivid Color' for vibrant color and slightly higher contrast in controlled lighting situations	US	135, 120, 220, Sheet film	Portra 160
Kodak	<u>Portra 400 NC</u>	1998–2010	T/P	400	C-41	Print	Professional color film, 'Natural Color' for subtle color and natural skin tones in low light or with flash	US	135, 120, 220, Sheet film	Portra 400
Kodak	<u>Portra 400 VC</u>	1998–2010	T	400	C-41	Print	Professional color film, 'Vivid Color' for vibrant color and slightly higher	US	135, 120, 220	Portra 400

							contrast to add snap to flat/overcast light			
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- Kodak Gold 100-3 released in 1992;Kodak Gold 100-4 released in 1994;Kodak Gold 100-5 released in 1995; Kodak Gold 100-6 release in 1997.
- Kodak Gold 400 (Replaced by Ultramax 400 in 2007)
- Kodak Royal Gold 25 (replaced original ektar 25) 1996 on
- Kodak Royal Gold 100 (replaced original ektar) end c2002
- Kodak Royal Gold 200 (replaced original ektar) end c2004
- Kodak Royal Gold 400 (replaced original ektar) 1996-c2004
- Kodak Royal Gold 1000 (replaced original ektar) 1998- ?
- Kodak High Definition 200 (US) 135-36 /Royal Supra 200 (not US)
- Kodak High Definition 400 (US) 135-24 only/Royal Supra 400 (not US) 135-36
- Kodak Professional Ultra Color 100 135, 120, 220 New 2004 for fashion, advertising, editorial, commercial, travel, and nature photography^[104]
- Kodak Professional Ultra Color 400 135, 120, 220 Rebranded Portra UC

Color reversal (slide) film

Discontinued Kodak reversal (slide) film



Kodak Elite Chrome 100



Kodachrome 64

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Kodak	Kodachrome	1936-1962	T	10-16	Kodak	Slide	First color film that used a subtractive color method to be successfully mass-marketed. Launched 1935 for motion picture film, 1936 for still cameras. Special development process required, with multiple dyeing steps as each color layer was processed separately, because there were no dye-couplers in film, unlike the contemporary Agfa Color Neu (where color couplers enabled all three layers processed together). This resulted in good color longevity as developed Kodachrome does not retain unused color couplers. However it required more complex processing. Available in daylight (ISO 10) and Type A (ISO 16).	US	135, 828	Kodachrome (1955)
Kodak	Kodachrome Professional	1938-1951	T	8-10	Kodak	Slide	Professional Daylight (ISO 8) and Type A film (ISO 10) for 3400 ^o K photofloods	US	Sheet film	Nothing
Kodak	Kodachrome	1955-1962	T	12	K-11	Slide	Daylight color slide film (ISO 12)	US	135, 828.	Kodachrome II
Kodak	Kodachrome Professional	1956-1962	T	16	K-11	Slide	Professional Type A film (ISO 16)	US	135	Kodachrome II
Kodak	Kodachrome II	1961-1974	T	25	K-12	Slide	Daylight color slide film.	US	135, 828.	Kodachrome 25
Kodak	Kodachrome II Professional	1962-1978	T	40	K-12	Slide	Type A professional color slide film	US	135	Kodachrome 40
Kodak	Kodachrome X	1962-1974	T	64	K-12	Slide	Daylight color slide film. Launched with 135 format, 126 was added in 1963 and 110 in 1972	US	110, 126, 135	Kodachrome 64
Kodak	Ektachrome E200	? -2011	T	200	E-6	Slide	Ektachrome—general purpose daylight-balanced color transparency film with moderate contrast and the "look" of a lower speed film. Push-processing capable to an E.I. of 800. 'T' Grain emulsion. Discontinued March 2011 ^[105]	US	135, 120, 220	Ektachrome E100G
Kodak	Professional Elite Chrome 100	1989-2012	T	100	E-6	Slide	General purpose daylight-balanced color transparency film with natural colours including skin tones, colors, and neutrals. Uses Kodak's color amplifying and T-grain technology (EB). ^{[106][107]}	US	135	Nothing
Kodak	Professional Elite Chrome	1991-2012	T	100	E-6	Slide	Daylight-balanced color transparency film featuring the highest	US	135	Nothing

	Extra Color 100						color saturation available in a 100-speed consumer slide film, delivering extra bright colors particularly for nature and scenic photos (EBX) ^[108]			
Kodak	Ektachrome 64T	? – 2012	T	64	E-6	Slide	Tungsten balanced fine grain color transparency film, for commercial photography for catalogs, room interiors, furniture and architectural subjects. (EPY) ^[109]	US	135, 120, Sheet film	Nothing
Kodak	Ektachrome 100 Plus	2001–2009	T	100	E-6	Slide	Daylight balanced fine grain color transparency film (EPP). ^[110]	US	135, 120, 220	Ektachrome E100G
Kodak	Ektachrome E100G	2000–2012	T/P	100	E-6	Slide	Daylight balanced fine grain color transparency film with moderately enhanced color saturation and a neutral color balance, for commercial advertising, fashion, editorial, architecture, nature/wildlife photography. Uses Kodak's Color Amplifying and T-GRAIN Emulsion technology. Sheet film 4"x5", 8"x10" 'P' base. ^[110]	US	135, 120, 220, Sheet film	Ektachrome E100
Kodak	Ektachrome E100GX	2001–2009	T	100	E-6	Slide	Daylight balanced fine grain color transparency film with moderately enhanced color saturation and a warm color balance (compared to neutral color for E100G), for commercial advertising, fashion, editorial, architecture, nature/wildlife photography. Uses Kodak's Color Amplifying and T-grain technology. ^[110]	US	135, 120, 220	Ektachrome E100G
Kodak	Ektachrome E100VS	2002–2012	T	100	E-6	Slide	Daylight balanced fine grain color transparency film with vivid saturated colors (VS) while maintaining a neutral gray scale. Intended for commercial location and studio shooting of nature, food, jewelry, and subjects that call for brilliant, dramatic hues. Uses Kodak's Color Amplifying and T-grain technology. (E100VS) Sheet film 4x5", 8x10" 'P' base ^[111]	US	135, 120, 220, sheet film	Nothing
Kodak	Ektachrome Professional Infrared EIR Film	? -2009	P	200	E-6	Slide	Infrared sensitive false color reversal film for IR photographic applications e.g. artistic, industrial, scientific, and aerial or technical ground photography. The extent infrared reflectance affects the final color	US	135-36	Nothing

Kodachrome 25, 64, and 200 Professional

Kodachrome was the first practical color reversal film; essentially first commercially-important color film of any kind. It featured extremely fine grain, high saturation, and extremely high sharpness.^[114] Kodachrome entered American popular culture with a 1973 song by Paul Simon, as well as a 2017 Hollywood movie.^[115]

- Kodachrome was launched as a 16mm movie film in 1935, with a film speed of ISO 10.^[115] The first stills version was released the following year.^[115]
- Kodachrome II was introduced in 1961; this was available in daylight balanced speeds of ISO 25 and ISO 64, later rebranded as Kodachrome 25 and Kodachrome 64. Kodachrome 25 ceased production in 2001.^[115]
- Kodachrome Type F (for flash; stopped being made in 1950s).
- Kodachrome 200 was introduced in November 1986^[116] and sold through 2007.^[115]
- Later Kodachrome Professional 64 and 200 were added.
- Processing purchased with film until Justice Department sued around 1954, claiming this was a monopolistic practice. There were relatively few competitors however, with the complex developing machinery necessary.
- At various times Kodachrome was produced in 126, 120, and 110 stills formats, as well as various movie and cine film formats.^[115]
- Also available in larger roll film formats and sheet film (until late 1940s, beginning of 1950s).
- The entire Kodachrome emulsion line was discontinued in 2009. The last processor in the world closed down its Kodachrome line at end of 2010.^[117]
- Suggested Replacement: Kodak Ektachrome E100d

Ektachrome Lumiere 100

- Professional Film
- Code LPP 6146
- Launch Date: ?
- Discontinued: ?
- Suggested Replacement: ?
- Type: Medium speed color reversal film providing neutral color balance with enhanced color saturation.
- Speed: Temp/EI/Wratten filter no. (Source: Ektachrome Lumiere 100 Data Sht dtd 11–93)

1. 5500K/100/none
2. 3200K/25/80A
3. 3400K/32/80B

- Processing: E-6
- Formats: 135, 120, cut film.
- Kodak Pub No. E-137, "Kodak Ektachrome Lumiere 100 Professional Film"
- Note: A number of photographers noted this film was too cool under some circumstances.^[118]
- EKTACHROME 64 Professional Film
- EKTACHROME 100 Professional Film
- EKTACHROME 100 Plus Professional Film
- EKTACHROME 160T Professional Film
- EKTACHROME 320T Professional Film
- EKTACHROME P1600 Professional Film
- EKTACHROME 400X Professional Film
- Ektachrome E100S
- Ektachrome E100D

Konica

Established 1873 in Japan, Konishiroku (Konica) was a major producer of colour film, cameras and related products, including film development processors and printing technology. Originally Konica film and paper was sold under the brand name of "Sakura" meaning Cherry Blossom in English. Along with 3M Ferrania they were a significant producer of 'white label' consumer color films for both retailers and traditional B&W film producers needing a colour film to repackage under their own brand. Only in later years did they make significant efforts to market film under the Konica brand. In 2003, Konica merged with Minolta to form Konica Minolta. In 2006, the merged company closed down its photo imaging division, which produced color film, color paper, photo chemicals and digital minilab machines (at the time it was the 3rd largest film producer behind Kodak and Fujifilm, AgfaPhoto having collapsed a year earlier).^[119] The company produced the following films:

Black and white film

- Sakura Panchro c1946 Format 120
- KONIPAN SS ASA 100 Format 135, 120, Sheet Film
- KONIPAN SSS ASA 200 Format 135
- Konica Infrared 750 nm Format 135, 120

Colour negative film

- Sakuracolor N100 (C-22) (1967-1971)
- Sakuracolor N100 (C-22) (1971-1975)
- Sakuracolor II N100 (1974-c1984) employing a DIR color coupler
- Sakuracolor (C-41) c1975-1980
- Sakuracolor 400 c1976-1984
- SR (c1984-1986) SR 100/ 200/400/1600 Formats 135, Disc (also sold as Sakuracolor SR)
- SR-V (1987) 3200 Format 135 (also sold as Sakuracolor with same names) Monodispersed emulsion
- SR-G (1989-c1994) 100, Format 135
- SR-G 160 Professional, Format 120/220
- Super DD (1990) 100/200/400 Format 135
- GX (1987) 100, 3200 Format 135
- Impresa 50 1991, Format 120 only
- Impresa 100
- Super HR (? -c1991)
- Super SR (1991-c1997) 100, 200 Format 135, 110
- Super XG (1993-c1996) 100 Format 135
- VX (c1994-1999) 100, 200 Format 135
- VX Super 100, Format 135
- Centuria (1999). 100/200/400/800 Format 135
- Centuria 100 Format 120
- Centuria Super
- Pro 160, Professional Portrait film Format 135, 120, 220
- Pro 400, Professional Portrait film Format 135, 120, 220 exp2007

Colour reversal (slide) film

- Sakuracolor R-100 (E-4) (? -1972)
- Sakurachrome R-100 (E-6) (c1983-c1986)
- Konica Chrome 100 (c1986-1990)

KONO!

Launched in 2014, KONO! is a small European analogue photographic company based in Austria that produces a range of 'creative' 35mm format films under both 'Kono!' and 'dubblefilm' brands, the latter in conjunction with mobile app 'dubble'.^[120] Most KONO! films are based on stock originally intended for shooting motion pictures, scientific purposes or other places photosensitive emulsions were used. All films are hand rolled onto recycled 135 film cassettes.^{[121][122]}

Color negative films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
KONO!	WINTERMÄRCHEN 200	? -2018	T	200	C-41	Print	Creative colour film 'Winter fairytale' pre-exposed with festive images ^[123]	Austria	135-24	Nothing

Lomography

Headquarters in Vienna, Austria. Lomography is a globally-active organization dedicated to analogue, experimental and creative photography. Lomography offers films under its own brand procured from various manufacturers.

Color negative films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Lomography	LomoChrome Turquoise XR	2017-2017	tbc	100-400	C-41	Print	Creative colour negative film with turquoise hues, limited run of 5000 rolls. ^[124]	tbc	135, 120	Updated version ^[125]
Lomography	F ² 400	2018	T?	400	C-41	Print	Limited edition run of 120 film cut from a long stored master roll acquired by lomography in 2010, thought to be Ferrania Solaris 400. Previous limited run in 2017 in 135 format only. Pre-order with delivery in Aug 2018, sold out. ^{[126][127]}	Italy	135 (2017), 120 (2018)	Nothing

Color reversal (slide) films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Lomography	XPro 200	2010-2018	tbc	200	C-41 (E-6)	Print (slide)	Cross Processing Slide Film. Needs UV filter for normal colours in E6. Film is the discontinued Agfa-Gevaert Aviphot Chrome (same formulation as Agfa RSX 200). ^[128] Unavailable since 2018.	Belgium	135#, 120#	Nothing

Luckyfilm

Lucky Group Corporation in Baoding, Héběi province, China produced a range of colour, black and white, and chromogenic black and white consumer films. Colour film was produced initially in conjunction with Kodak after signing a 20-year partnership which Kodak ended in 2007 after four years.^[129] Production of all consumer films ceased in 2012. In 2017

Luckyfilm, an offshoot of Lucky Group re-released an improved black and white film for the consumer market, however this had ceased to be available by 2019.

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Lucky	SHD 100	? -2012	T	100	B&W	Print	General purpose, panchromatic film	China	135, 120	New SHD 100
Lucky	New SHD 100	2017-2019	P	100	B&W	Print	General purpose, panchromatic film ^[130]	China	135	Nothing
Lucky	SHD 400	? -2012	T	400	B&W	Print	General purpose, panchromatic film	China	135	Nothing
Lucky	SHD 400 CN	? -2012	T	100	B&W	Print	General purpose chromogenic film	China	135	Nothing

Color negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Lucky	GBR 100	2003–2012	T	100	B&W	Print	General purpose consumer colour film	China	135	Nothing
Lucky	GBR 200	2003–2012	T	200	B&W	Print	General purpose consumer colour film	China	135	Nothing
Lucky	GBR 400	2003–2012	T	400	B&W	Print	General purpose consumer colour film	China	135	Nothing

Maco

Headquarters in [Stapelfeld](#), Germany. Film sales through www.macodirect.de

ORT

- Type: Black and White (orthochromatic)
- Speed: ISO 25, DIN 15°
- Available formats: 35 mm, 120, Sheet Film
- Granularity: Extremely Fine
- Resolving power: Extremely High (>330lp/mm)
- History: evolution of Agfa Ort25c, same emulsion as MACO EM micrography film, evolved later in ORTO25
- Primary usage: Reprography, Micrography, specialty black and white photography
- General characteristics:
- Discontinued

^[131]

Negra

Negra Industrial, S A. was a film manufacturer based in Barcelona, Spain established c1928 producing black and white negative film, photographic paper and chemicals. Color film was rebranded stock from other producers mainly Konishiroku (Konica) and 3M (Ferrania). Film production appears to have ended in 1984.^[132]

Black and white film

- Negra Negrapan 21 (ISO 100) panchromatic film in 135, 120, 127, 110 and 126 sizes. last films expired 1989.

Color negative film

- Negracolor AR ? -1984 Konica Color
- Negracolor NC80 1970-1973 3M Color Print
- Negracolor NC100 1973-1976 Sakuracolor (Konica)
- Negracolor II 1976-1984 Sakuracolor II (Konica)
- Negracolor 400 1976-1984 Sakuracolor 400 (Konica)

Color reversal (slide) film

- Negracrome 50 1969-1974 3M color slide

ORWO

After WW2, Agfa was split into two companies: Agfa AG, Leverkusen in West Germany, and VEB Film und Chemiefaserwerk Agfa Wolfen in East Germany. Initially both companies produced films under the AGFA brand with the same names, such as Isopan F. To distinguish them, the film edge markings were L IF for Agfa Leverkusen, and W IF for Agfa Wolfen. In 1953 in a trade agreement it was agreed that VEB Film und Chemiefaserwerk would have the sole rights to the AGFA brand in Eastern Europe and Agfa AG, would retain sole rights to the AGFA brand in the rest of the world. This hampered Wolfens exports and therefore after 1964 films from Wolfen were rebranded ORWO (ORiginal WOlfen). ORWO ceased production of film in 1994 following the collapse of the company after privatisation, after a brief revival re-branding other manufacturers products the company was again insolvent in 1997, the constituent parts sold off. Part of the original factory survives as the Industry and Film

museum Wolfen.^[133] However the association of the ORWO name with film lives on as a brand of FilmoTec GmbH who since 1998 produce high quality black and white cinema and technical films, based in Wolfen with coating contracted out. Their cine camera films UN54 and N74 plus are also re-packaged by third parties as still camera film.

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ORWO	Isopan FF /IFF	? - c1960s	T	25	B&W	Print	Ultra fine grain panchromatic film. Wolfen version also referred to as ISOPAN FF, marginal markings W IFF	Germany	135, 120, 127, 620	ORWO NP10
ORWO	Isopan/ Isopan F / IF17	Pre 1943 - c1960s	T	40	B&W	Print	Fine grain panchromatic film. Wolfen version also referred to Agfa-Isopan-Feinkorn, marginal markings W IF.	Germany	135	ORWO NP18
ORWO	Isopan SS	1935- c1960s	T	100	B&W	Print	'Super Speed' Introduced around 1935 as a replacement for Superpan and originally rated at 19 or 20 DIN, around 1937 this was increased to 21 DIN (100ASA). For correct rendering a pale yellow filter was required in daylight and a pale green in half-watt illumination. ^[8] Ultra fine grain ortho-panchromatic film. Wolfen version also referred to as ISOPAN ISS 21, marginal markings W ISS	Germany	135, 120, 127, 620	ORWO NP22
ORWO	NP10	1965- ?	T	8	B&W	Print	Ultra fine grain panchromatic film. (NP= Negative Panchromatic)	Germany	135, 120	Nothing
ORWO	NP15	? - ?	T	25	B&W	Print	General purpose fine grain panchromatic film.	Germany	?	Nothing
ORWO	NP18	1965- ?	T	50	B&W	Print	General purpose fine grain panchromatic film.	Germany	127, 120	Nothing
ORWO	NP22	1965- ?	T	125	B&W	Print	General purpose ultra fine grain panchromatic film.	Germany	135, 120, 127, 620	ORWO PAN 100
ORWO	NP27	1965- ?	T	400	B&W	Print	General purpose ultra high speed (for its time) panchromatic film.	Germany	135, 120, 620	ORWO PAN 400
ORWO	NP30	? -1989	T	800	B&W	Print	General purpose ultra high speed panchromatic film.	Germany	120	Nothing
ORWO	PAN 25	? -1990s	T	25	B&W	Print	General purpose low speed panchromatic film. Last films expired 1995	Germany	135, 120	?
ORWO	PAN 100	? -1990s	T	100	B&W	Print	General purpose medium speed panchromatic film. Last films expired 1997	Germany	135	ORWO PAN 125
ORWO	PAN 400	? -1990s	T	400	B&W	Print	General purpose high speed panchromatic film. Last films expired 1994	Germany	135, 120	?
ORWO	PAN 125	? -2000s	T	125	B&W	Print	General purpose high speed panchromatic film. Last films expired 2005.	Germany	135	?

Color negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
ORWO COLOR	NC16	1965- ?	T	32	ORWO 5168	Print	General Purpose colour negative film without mask ^[134]	Germany	135, 120, 127	?
ORWO COLOR	NC17 MASK	1965- ?	T	40	ORWO 5168	Print	General Purpose colour negative film with mask ^[135]	Germany	135, 120, 127	?
ORWO COLOR	NC19	? -1990s	T	64	ORWO 5168	Print	General Purpose colour negative film. Last films 120 expired 1993. ^[136]	Germany	135, 120	?
ORWO COLOR	NC20	? -1990s	T	80	ORWO 5168	Print	General Purpose colour negative film.	Germany	135	?
ORWO COLOR	NC21	? -1990s	T	100	ORWO 5168	Print	General Purpose colour negative film.	Germany	135	Nothing

Color reversal (slide) - ORWO 9165 process film

- ORWO UT18 Daylight
- ORWO UT21 Daylight
- ORWO UK14 Tungsten 127^[137]
- ORWO UK17
- ORWO NK18 Tungsten 127^[138]

Rera

Rera is a small range of photographic films for 127 (4x4) format roll film cameras assembled in Japan by Kawauso-Shoten. Film is bought in and converted for 127 format and sold through main retailers. Discontinued films include:

Black and white film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Rera	Pan 100	? -2018	T	100	B&W	Print	General purpose panchromatic traditional, medium-speed, black and white film. Discontinued 2018 according to retailers. Replaced by 400 speed emulsion	tbc	127	Pan400

Color reversal (slide) film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Rera	Chrome 100	c2016-2017	P	100	E-6	Slide	General purpose color slide film. Possibly an Aviphot Chrome film.	tbc	127	Chrome 100 (2018)

Perutz

Perutz was a German film manufacturer. It was taken over by Agfa-Gevaert in 1964. Films included.

Polaroid

Instant Roll Film

- Type 40 - Sepia tone 100/21°
- Type 41 - Orthochromatic 100/21°
- Type 42 - Panchromatic 200/24° One of Polaroid's longest-lasting film stocks
- Type 43 - Panchromatic 200/24° Introduced for a short while as a higher-end alternative to type 42
- Type 44 - Panchromatic 400/27°
- Type 46 - Panchromatic 800/30° Produced 8 black and white transparencies
- Type 46L - Panchromatic 800/30° Same as 46, but with a slightly larger slides
- Type 47 - Panchromatic 3000/36° Another one of Polaroid's longest-lasting film stocks
- Type 48 - Color 75/20° Polaroid's first color film stock, produced 6 prints instead of the typical 8
- Type 31 - Panchromatic 100/21° All films in the 30 series were made for smaller cameras than the 40 series and produced smaller prints
- Type 32 - Panchromatic 200/24°
- Type 37 - Panchromatic 3000/36°
- Type 38 - Color 75/20°
- Type 20 - Panchromatic 3000/36° The 20 series of films were made for use in the Swinger, Polaroid's first budget camera retailing at \$19.95 in 1965
- Type 20c - Panchromatic 3000/36° The first black and white Polaroid film to not require a protective coating on the prints

3¼x4¼ instant pack film

4x5 Instant pack film

4x5 instant sheet film

Type 55

- Type: Black and white Pos/Neg instant film
- Speed: 50/18° (pos), 35/16° (neg)
- Available formats: 4×5 Sheet film
- Granularity:
- Latitude:
- Resolving power:
- History: Discontinued by Polaroid in 2008; production process licensed out
- Primary usage: Test shots, fine art

8x10 instant sheet film

Instant integral film

Instant 35mm slide film

Polaroid B.V.

Polaroid B.V. is a Dutch photography company that was founded in 2008 as the 'Impossible Project' to re-introduce instant film for Polaroid cameras. Impossible bought the production machinery from Polaroid for \$3.1 million^[139] and leased a building, called Building Noord, which was formerly part of the Polaroid plant in Enschede, Netherlands but had to re-invent the emulsions and processes. Polaroid Corporation's brand and intellectual property were acquired by Impossible Project's largest shareholder in 2017 and the company was later renamed 'Polaroid Originals' before becoming 'Polaroid' in 2020.^{[140][141]} Based in Enschede, Polaroid manufactures film for its own and selected original Polaroid instant cameras. Instant films are marketed by format rather than emulsion.

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Polaroid Originals	Spectra film	2013-2019	N/A	640	Instant	Print	General purpose instant color or black and white film in various frame styles. In October 2019, Polaroid Originals announced the discontinuation of the Spectra film format due to poor reliability of the remaining Spectra cameras. ^[142]	Netherlands	103x101mm	Nothing

Rollei

The Rollei brand for photographic film is licensed to Maco (Hans O. Mahn GmbH & Co. KG, Maco Photo Products) a German-based supplier of photographic films. They offer a range of black and white and colour films produced by Agfa-Gevaert and other suppliers. Discontinued films are listed below:

Black and white films

R3

- Speed: ISO 200, DIN 24° (can be used from ISO25 to ISO6400)
- Available formats: 35 mm, 120, Sheet Film
- Granularity: Fine
- Resolving power: High
- History: launched in 2004
- Primary usage: General black and white photography
- General characteristics: Fairly wide latitude, PET base for better film flatness, extended spectral sensitivity from IR to near-UV, to be stored in special black cartridges
- Discontinued

^[143]

ATO (Advanced Technical Ortho)

- same emulsion as Maco Genius Film
- clear base
- suitable for reversal process

ATP1.1 (Advanced Technical Pan)

- Formats: 120
- Speed: ISO 32
- High resolution Super-panchromatic film (extended red sensitivity).^{[144][145][146]}

- Converted and packaged by Foma

Rollei Ortho

- orthochromatic film with a clear base
- spectral sensitivity 380–610 nm
- resolving power of 330 lines/mm (with a fine-grain developer)
- especially suited for digital scanning
- Replaced by Ortho Plus in 2017

Rollei Pan

- ISO 25
- clear base, well suited for black and white slides

Retro Tonal

- same emulsion as Maco PO100C
- an orthopanchromatic ("RectePan") film
- clear base
- suitable for reversal process

RSD

- same emulsion as Agfa Copex Slide Direct
- a pre-fogged orthochromatic film specially for negative or slide duplication
- exposure index (EI) in daylight around 0.2 (thus it has a DIN value of -6 !) = about EI 6 + 5 f stops (not many cameras will handle this correctly)
- after a massive exposure will produce a positive in traditional B&W process, i.e. is NOT run through a reversal process; see also [solarisation](#)
- contrast adjustment using different developers, i.e. lower contrast: for ex. Rodinal/Adonal (1:25 about 10 mins., 1:50 about 20 mins.) or higher contrast: any paper developer 1+4 about 5 mins.

Color negative film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Rollei	CN 200	2008-2017	P	200	C-41	Print	Unmasked colour film of an older aesthetic well suited for scanning. (Agfa Aviphot Color X100). Originally called digibase CN 200 pro. Final stocks in 120 lasted until mid 2018.	Belgium	135, 120	Nothing

Color reversal (slide) film

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Rollei	CR 200	? -2017 stock only	P	200	E-6	Slide	General purpose older aesthetic slide film (Agfa-Gevaert Aviphot Chrome 200, Same emulsion as Agfa RSX II 200) 135 sold out. Originally called digibase CR 200 pro	Belgium	120	CrossBird
Rollei	Vario Chrome	2017-2017	T?	200	E-6	Slide	Limited edition film in 2017 converted from expired slide stock. Can be	Belgium?	135	Nothing

							exposed between 200/24° to 400/27° ISO without adjusting development. Gives earthy grainy colors. ^[147]			
--	--	--	--	--	--	--	--	--	--	--

ScanFilm

- same emulsion as Agfa Aviphot Color X400 without a mask, very well suited for scanning

Silberra

The company based in Saint Petersburg, Russia was founded in 2009 producing analog film products. It adopted the Silberra name in 2017 to introduce a range of black and white films.^[148]

Black and white films

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Silberra	Orta 100	2018-2019	P	100	B&W	Print	Orthochromatic film (insensitive to red light) with high contrast ^[149]	Russia	135-36	Nothing
Silberra	Cinema 74N+	2018-2019	P	400	B&W	Print	Converted from ORWO N74 plus cinema film ^[150]	Russia/ Germany	135-36	Cinema 75N+

SPUR

SPUR (Speed Photography & Ultra high Resolution) is a supplier of own brand specialist photochemistry and films based in Langerwehe, Germany.

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
SPUR	UR	? -2019	P	20	B&W	Print	Agfa-Gevaert Copex HDP microfilm. Resolution of up to 800 LP/mm. ^[151] Same film as ADOX CMS20 II	Belgium	135, 120	Ultra R 800

Street Candy

Vincent Moschetti, the proprietor of the website OneYearWithFilmOnly.com (later renamed OnFilmOnly.com) released his own branded film in 2018. In April 2022 the founder announced closure of the brand due to rising costs.^[152] Film cassettes are uniquely packaged in cardboard film canisters.

Make	Name	Dates	Base	ISO	Process	Type	Details	Origin	Formats	Replaced by
Street Candy	MTN 100	2021-2022	P	100	B&W	Print	Panchromatic B&W Cine film negative film stock also capable of reversal processing. Stated to be 'from a German manufacturer with a century long tradition in motion picture film' Probably ORWO UN54. Loaded on recycled cassettes which are not DX coded. ^[153]	Germany	135-36	Nothing
Street Candy	ATM 400	2018-2022	P	400	B&W	Print	Panchromatic B&W film stock originally designed for use in security and surveillance cameras in banks and ATM machines. Loaded on recycled cassettes which are not DX coded. ^{[154][155]}	?	135-36	Nothing

Svema

Svema (Russian: Свема, Светочувствительные Материалы) was the former name ("NPO "Svema") of the Shostka Chemical Plant, located in Shostka, Sumy Oblast, Ukraine. It was founded in 1931 in Ukrainian SSR.

"Svema" was the major photographic film manufacturer in the USSR and the second largest film producer in Europe, but their film lost market share in former Soviet countries to imported products during the late 1990s. They made black-and-white photographic film, photographic paper, B&W/colour cine film and magnetic tapes until 2000. Colour film was made with equipment dismantled from the Agfa-Wolfen Factory after World War II. The plant's production of photographic products slowed through the 1990s and ceased film production entirely in 2003 with the final coating of X-ray films there and the plant closed completely in 2005. After attempts by the state to sell the business, bankruptcy processes were completed in 2015. The coating machinery was sold for scrap and the main buildings were demolished c2018.^[156]

A decade prior to the plant's closure a small group of Svema employees had founded Astrum holdings in a rented building on the site in 1995, buying bulk film from various sources which they converted and packaged, for retail sale. Originally sold under the Astrum name (film expiring up to 2019), they later acquired rights to the Svema trademark and now apply the name to a range of films for nostalgic value, but this no longer manufactured in Ukraine, only re-packaged there.^[157]

Black and white film

Type 1981

(old GOST speed scale)

- Svema FN 32; 32 GOST, ISO 40/17°
- Svema FN 64; 64 GOST, ISO 80/20°; 135, sheet films 6.5×9 cm - 30×40 cm, KB, 6×9", bulk last expired 1/94.
- Svema FN 125; 125 GOST, ISO 160/23°; KB, bulk
- Svema FN 250; 250 GOST, ISO 320/26°; KB, bulk
- Svema Reporter 200 GOST, ISO 200/24° (actually cinematographic filmstock); KB, bulk

Type approximately 1986

(old GOST speed scale)

- Svema Foto 32
- Svema Foto 65 (80 ASA)
- Svema Foto 130
- Svema Foto 250

Type 1990

(new GOST speed scale, same as ASA)

- Svema Foto 50; ISO 50/18°

- Svema Foto 100; ISO 100/21°; KB, 6×9", bulk last expiry July 4
- Svema Foto 200; ISO 200/24°; KB, bulk
- Svema Foto 400; ISO 400/27°; KB, bulk

Colour negative film

- SVEMA DS-2 45 18DIN 50ASA Negative Color film, 1960s era
- Svema DS-4 Unmasked Color Negative Film 45 GOST (ISO) / 18 DIN / 50 ASA
- Svema DS-5M Color negative film, 50 GOST, 135 bulk
- Svema CND-32 Color Negative Film 32 GOST, ISO 40/17°
- Svema CND-65 Color Negative Film 65 GOST / 20 DIN / 80 ASA
- Svema CNL-65 Color Negative Film, tungsten-balanced, 65 GOST (ISO) / 20 DIN / 80 ASA, 135 format
- Svema CNL-90 Color Negative Film, tungsten-balanced, 80 GOST
- Svema DS-100 Color Negative Film, 100 ISO, C41 process
- Svema LN-9 Color Negative Film, tungsten-balanced, GOST (ISO) / DIN / ASA, 135 bulk format

Colour reversal (slide) film

- Svema TSO-2 Color reversal film, 32 GOST, 17 DIN, 35 ASA, 1960s-70s
- Svema CO-32D Color reversal film
- Svema CO-65D Color reversal film, 65 GOST
- Svema CO-50D Color reversal film, 50 GOST (ISO) / 18 DIN / 50 ASA
- Svema CO-90L Tungsten-balanced color reversal film, 90 GOST

All consumer film was produced in 135 and 120 formats, some stocks were also available in sheets, 16mm and 8mm/super 8.

Tasma

Tasma – Тасма in Russian Cyrillic characters was a manufacturer of photographic films located in Kazan, Russia, it has been in operation since 1933 (starting as “Film Factory No. 8”. The name “Tasma” is derived from the Russian phrase «Татарские светочувствительные материалы» “Tatarskie Sveto MAterialiy.” - “TAratar Sensitized Materials;” it was adopted by the company in 1974. Prior to the fall of the Soviet Union, the company offered an array of color photographic products from the year 1950 as well, but these were discontinued following the fall of the Iron Curtain. After the dissolution of the Soviet Union, the company was reorganized as a free enterprise and privatized in 1992. Photographic film production ceased in the 1990s and today they specialise in industrial films including aerial photography films. Films generally supplied without spool in a black paper wrapper and box.

Black and white film

- Tasma 100 Super
- Tasma Foto 32
- Tasma Foto 64
- Tasma Foto 125
- Tasma 65 GOST (ISO) / 20 DIN / 80 ASA 135 format
- Tasma 130 GOST (ISO) / 23 DIN / 160 ASA 135 format
- Tasma 250 GOST (ISO) 135 format

Colour reversal (slide) film

- TASMA ЦО-25 (daylight)

Valca

Valca was a Spanish film manufacturer established in 1940 headquartered in Bilbao. The company name comes from the factory location in Sopenano, Burgos; **Valle de Mena** (Mena Valley) through which flows the Rio Cadagua (Cadagua River) which provided cooling water for the factory.^[158] The company produced black and white negative film, photographic paper and X ray films. Ilford acquired an equity interest in Valca in 1960, resulting in technical co-operation and Valca acting as Ilford distributors in Spain. The agreement lasted until 1976 when Ilford sold its shares.^{[159][160]} It was particularly successful in the X-ray film market and in 1991 it had a 17% share of its national market and 1% of the US market, the latter accounting for 60% of production, with 65% of X-ray film exported in total. While black and white film was produced in-house, colour film was rebranded stock from other suppliers. The company underwent re-structuring in 1991 due to financial problems, reportedly due to poor management and the factory finally closed in 1993.^{[161][162]}

Black and white film

- Valca Sheet Film Autographica – Panchromatica Antihalo
- Valca Sheet Film Retrato V Orthochromatic
- Valca Sheet Film Retrato VV Panchromatic
- Valca Sheet Film Retrato ES Panchromatic
- Valca Diapositiva Dura
- Valca F22 – ASA 125 (sheet film 9×12 cm, 35mm, 120, 620 & 126) Possibly based on FP4.
- Valca H27 – ASA 400 Possibly based on Ilford HP3
- Valca H29 – ASA 400 (sheet film, 35mm, 120) Possibly based on Ilford HP4.

Colour negative films

- Valcolor, 1974-1975 Sakuracolor N100
- Valcolor II – 1975-1977 Sakuracolor II
- Valcolor II – 1977-1980 (35mm, 126, 120, 110) 3M color print 100
- Valcolor HR100 – ? -1991 (35mm & 126) Konica color 100

See also

- List of photographic films

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