

# Analog 2008



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## **J**[]]] FOR YOUR BEST IMAGE

## **Rotations Prozessor**

#### The Small But Efficient Photo Lab

For professional and amateur alike, the darkroom is the last and yet one of the most important steps in creative photography. A modern darkroom must provide professional quality results and yet have quick-startup and clean-up, high reliability and economical use of photo chemicals. JOBO offers 3 manual film/paper processors and a number of fully-automated rotation processors designed to meet these needs. A thermostatically controlled water-jacket keeps chemistry in the storage bottles and processing tanks and drums at the precise, repeatable temperatures needed for professional and consistent results. Time-proven rotary processing allows economical usage of always-fresh chemical solutions and makes JOBO Colorprocessors a reliable central part in the lab for the independent hobbiest and professional photographer. Processing temperatures can be set by the user for personalized results. All graduates and bottles are securely locked against floating to help insure the most accurate temperatures.

JOBO processors are easy to use. After inserting film/prints in a tank or drum, the actual work can be done in the daylight. Working solutions are interchanged manually, the rest is cared for by the processor: Consistent temperature control and agitation in two directions. Bi-directional agitation is important for excellent work, especially in b/w technology.



#### **CPP-2 UNIVERSAL COLORPROCESSOR**

for professional film processing of color reversal and negative films as well as b/w films and color prints in RA-4 process. They come with 6 bottles of 1000ml each.

#### CAPACITY

7 films 135/36; 8 films 120; 18 films 4x5" Sheet film and prints up to 50x60 cm (20x24")

#### **INCLUDES:**

6x 1000 ml bottles (scaled); 4x 260ml graduates

TECHNICAL DATA (WITH	IOUT LIFT)
Voltage	230V/50Hz 880W
	115V/60Hz 440W
Temperature range:	20-40° C
Water jacket	approx. 18 liter

An LED temperature display and an electronic thermostat. This is a great advantage when regularly working with different processes and changing temperatures of the chemicals. In addition, the CPP-2 includes a cold- water solenoid that allows you to maintain a processing temperature that's below room temperature (provided the incoming water is below that temperature)

	CPP-2
HxWxD cm	33,5x96x37/ 13x15x38"
Appr. Weight empty/full	6,8/30
Item No.	4080
Chemical Storage Quantity	6x 1000ml
Circulation pump for waterjacket	•
Cooling via cold Water	•
Digital Display	•

	CPP-2
35mm 135	7
Rollfilms 120	8
4x5 Sheetfilms	18
13x18 Sheetfilms	6 (Lift)
8x10" Sheetfilm	5 (Lift)
Prints up to	50x60 (Lift)

#### **JOBO LIFT**

#### SIMPLE HANDLING WITH LIFT

With the accessory JOBO Lift, the awkward attaching and remov-ing of the tank/drum for emptying and filling is not necessary anymore. No more wet hands; chemicals are poured while the drum is rotating, used chemicals are easily collected by pushing a lever and your work becomes much easier. Processing times are precisely maintained and even large size papers and films are soaked evenly. Chemistry is easily collected for reuse. All your available tanks may be used by simply pressing a cog (Item No. 1505) onto the lid of the drum.

#### Lift for CPP-2 Item No. 4072

## Systemtanks 1500

Universal tank system for rotation and inversion agitation. Made of durable, flexible, virtually unbreakable plastic material. For amateurs. The reels 1501 and 1502 handle all types of film from pocket film (8mm) up to roll films of all types. All tanks can be extended with the module 1530, which adds to the capacity three 135 films or four 120 films. Reels are loaded with film in dark, attached to the center tube, inserted in the tank and then the tank is closed with the light-tight with the lid. Processing from can then be done in the light. Tanks are easy to fill through the wide-mouth lid, which is covered and sealed with the unique red membrane-cap. In many film tanks working solutions of 38° C can cause pressure to build up and push-off the cap; not so with the JOBO membrane cap. The JOBO cap can expand to absorb the pressure insuring your processing and valuable film.



**35MM TANK** Item No. 1510 For processing one 35mm film. Inversion tank, can be upgraded to a rotary tank by attaching a magnet (Item No. 1504) or a cog (Item No. 1505)

**UNIVERSAL TANK** Item No. 1520 For processing two films 35mm or 120 Inversion tank, can be upgraded to a rotary tank by attaching a magnet (Item No. 1504) or a cog (Item No. 1505)



**MULTI TANK** Item No. 1540 For processing up to four films 35mm or 120. Inversion tank, can be upgraded to a rotary tank by attaching a magnet (Item No. 1504) or a cog (Item No. 1505).



#### TANK MODULE Item No. 1530

For all 1500 series tanks. Each module increases the capacity of the tank by 3 additional rolls of 35mm film or two 120 rollfilms. The tank module expands the capacity of all 1500 series tanks The module is put between the tank and the lid and includes a center core extension.



#### FILM REEL DUO-SET Item No. 1501

Fits all tanks of the 1500 system. The reel can be adjusted for 35mm or 120 film size and films can be loaded simply without using a loader. The red clip allows loading of two 120 roll films end to end with no chance of overlapping. Made with durable plastic that is flexible. Suitable for professional use.

FILMPROCESSING ROTATION SYSTEM 1500						
CAPACITY / TANK	1510	1520	1540	1530		
Minimum filling Amount	140 ml	270 ml	470 ml	330 ml		
Pocket /110	4	8	16	12		
35mm /135-36	1	2	4	3		
Rollfilm / 120		2	4	4		

### FFILMPROCESSING INVERSION SYSTEM 1500CAPACITY / TANK1510152015401530

Minimum filling Amount	250 ml	470 ml	910 ml	700 ml
Pocket /110	4	8	16	12
35mm /135-36	1	2	4	3
Rollfilm / 120		2	4	4

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	Hand inversion	270 ml
net	Rotary processing	170 ml
	Max Capacity:	
	1 film 135/36	
	Includes:	
	1 reel 1501	
	Filling Quantity:	
	Hand inversion	270 ml
net	Rotary processing	170 ml
	Max Capacity:	
	2 films 135/36	
	2 films 120	
	Includes:	
	1 reel 1501	
	Filling Quantity:	
	Hand inversion	470 ml
net	Rotary processing	240 ml

Filling Quantity:

Hand inversion 470 ml Rotary processing 240 ml Max Capacity: 4 films 135/36 4 films 120 Includes: 1 reel 1501

#### **Filling Quantity:**

Hand inversion 700 ml Rotary processing 330 ml

## **Tank-Drumsystem**

#### Which system for which application?

- 1500 Universal tank system for inversion or rotary processing. The entry into the JOBO tank system. The reels No 1501 and no 1502 can handle all types of film from pocket film (8mm) up to rollfilm.
- 2500 This system is used for rotary processing only and is designed for professional operation. The tanks and reels are large in diameter and allow easy handling of high film throughput as well as processing of films up to 4x5" sheetfilm size.
- 2800 System is designed for economic processing of paper materials from test print size up to 40x50 cm (16x20"). The drums are ribbed inside to hold your print, or selections of smaller sized pirnts in place.
- 3000 The 3000 series drums can only be used with processors with a JOBO Lift. The Expert sheet film drums re based on this system.

#### FILMPROCESSING ROTARY SYSTEM 2500 (35MM, ROLLFILMS)

CAPACITY / DRUM	2513	2521/23	2551/53	2563
Min. filling qty.	140 ml	270 ml	640 ml	850 ml
35mm film	1	2	5	6
Rollfilm / 120		2	6	8

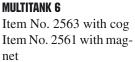
#### FILMPROCESSING ROTARY SYSTEM 2500 / 3000 (SHEETFILMS) 2521/23 2551/53 2561/63 3005 CAPACITY / DRUM 3006 3010

Min. filling qty.	270 ml	560 ml	730 ml	270 ml	210 ml	210 ml
6x9	6	18	18		6	
9x12	6	12	12		6	10
4x5"	6	12	12		6	10
13x18 / 5x7''					6	
20x25 / 8x10''				5		
A4						
30x40						
40x50						

#### PAPER PROCESSING ROTARY SYSTEM 2800

Min. filling qty.         50 ml         40ml         100 ml         120 ml         200 ml         100 ml           9x13 / 4x5"         1         2         ////////////////////////////////////
13x18 / 5x7"     1     2        18x24     1     2     2     4     2       20x25 / 8x10"'     1     2     2     4     2       24x30 / 9 ½ x12"     1     1     2     1       28x35 / 11x14"     1     1     1     1       30x40 / 12x16"     1     1     1       40x50 / 16x20"     1     1     1
18x24     1     2     2     4     2       20x25 / 8x10"     1     2     2     4     2       24x30 / 9 ½ x12"     1     1     2     1       28x35 / 11x14"     1     1     2     1       30x40 / 12x16"     1     1     1       40x50 / 16x20"     1     1     1
20x25 / 8x10"     1     2     2     4     2       24x30 / 9 ½ x12"     1     1     2     1       28x35 / 11x14"     1     1     1     1       30x40 / 12x16"     1     1     1     1       40x50 / 16x20"     1     1     1
24x30 / 9 ½ x12"     1     1     2     1       28x35 / 11x14"     1     1     1       30x40 / 12x16"     1     1       40x50 /16x20"     1     1
28x35 / 11x14"     1     1       30x40 / 12x16"     1     1       40x50 / 16x20"     1
30x40 / 12x16"     1     1       40x50 /16x20"     1
40x50 /16x20" 1
50x60 /20x24"

**MULTI TANK 1** Item No. 2513 with cog



SHEETFILM REEL Item No. 2509n for 6 films of size: 6x9/4x5'/9x12





net TANK MODUL Item No. 2560

SHEETFILM LOADER

Loader for 2509n

Item No. 2510 - 2512

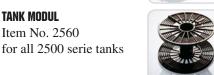
Item No. 2508

film guides

Item No. 2523 with cog

Item No. 2521 with mag-

**MULTI TANK 2** 



**MULTI TANK 5** 

Item No. 2553 with cog Item No. 2551 with magnet

DUO SET

#### Item No. 2502 35 / 45/ 60mm

#### JOBO DRUM EXPERT

Professional tank system for sheet films Item No. 3005 5 Films 13x18 - 20x25cm Item No. 3006 6 Films 9x12 -13x18 Item No. 3010 10 Films 9x12 / 4x5"



#### PAPER DRUMS

Testdrum

System drum for handling all paper processes (Illfochrome also) up to size 24x30cm (9x12"). Item No. 2820 for test strips, when seeking correct filtration. Drum 24x30 Item No. 2830 for max. print size 24x30 cm Drum 30x40 Item No. 2840 for max print size 30x40 cm Drum 40x50 Item No. 2850 for max print size 40x50 cm

Filling amount 40 ml Filling amount 100ml Filling amount 160 ml Filling amount 200 ml

## **JOBO Printlab**

for automatic sheet processing of color and b/w materials.

(All PE-papers, B/W graded and variable contrast papers, RA-4 color papers as well as Duratrans) The sturdy design guaranties secure working and a long life span of the of the Printprocessors. Equipped with exclusive functions for high efficiency. The innovative paper processor system increases shelf life of chemicals and minimizes cleaning work.

All JOBO Printlabs have a max. paper width of 35 cm (14 inches) and tank a volume of 5 liters. A light-tight flap closes the feed-in area, which also is kept free of moist by a fan. A paper guide allows secure feeding of 3 sheets 4x6'' (postcard 10x15 cm) at a time.



#### JOBO PRINTLAB 3503 Item No. 7140

Suitable for B/W and color negative PE papers as well as B/W sheet films up to a width of 35cm. Washing and drying of the prints takes place within the processor. With stand-by function for drive, dryer and washing. Automatic start of operation via in-feed sensors.

CAPACITY PER HOUR:	
Size''/cm	Qty./h
3,5x5"(9x13)	415
4x6,5"(10x15)	360
5x7"(13x18)	238
7x9"(18x24)	138
8x10"(20x25)	90
11x14"(28x35)	64
12x16"(30x40)	45

**WALL MOUNT** Item No. 7151 with Canister Item No. 7164.

Filling and draining of chemicals from the internal processor tanks is much easier when using the wall mount and the accompanying canisters.Included with PrintLab 3504, optional for other PrintLabs.



**CANISTER FOR CHEMICAL OVERFLOW** Item No. 7153 5 L canister including all necessary hoses. Made with transparent plastic for displaying the quantity of chemicals. Suitable for all PrintLabs. Included with PrintLab 3504



		3503
	Item. No.	
		7140 35 cm
	Max. paper width	
S	Control system	analogue via rotary wheel
O C E S S O R J	Developing time	45 sec. RA-4 (adjustable from approx 25-120 sec.)
	Number of tanks/Volume	3 (CD/Bx/W)/5L
	Replenishment	manual
	In Feed sensors	1
•	Processing temp	variable from room tem- perature up to 40°C
A P E R	Bleach fixing temp.	automatic adjustment to processing temperature
•	Evaporation protection	all racks covered
Ð	Dryer	hot air, adjustable
	Water consumption	automatic cut off of water supply in stand-by mode
2	Water supply	3/4" 1bar- 6bare
5	Water outlet	min. 40mm Ø
	Filter in pumping path	•
	Separate heaters for developer and bleach	•
F Z	Ready for operation (20-35°C) ) after approx.	10 Min
	Pre-programmed for	for RA-4
_		
9 0 0 0	Display	Temperature and processing time via scales
J 0 B 0		Temperature and processing time
	Display Electrical rating 230V 115V	Temperature and processing time via scales
	Electrical rating 230V 115V	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W
	Electrical rating 230V	Temperature and processing time via scales 230V/50Hz 2300W
	Electrical rating 230V 115V Weight empty/full	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55
	Electrical rating 230V 115V Weight empty/full LxWxH cm Through wall install. possible	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55
0	Electrical rating 230V 115V Weight empty/full LxWxH cm Through wall install.	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55 78x60x42
0	Electrical rating 230V 115V Weight empty/full LxWxH cm Through wall install. possible 3-Track paper feed	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55 78x60x42 • included
0	Electrical rating 230V 115V Weight empty/full LxWxH cm Through wall install. possible 3-Track paper feed Wall mount for 5 L canister	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55 78x60x42 • included Item.No.7151
0	Electrical rating 230V 115V Weight empty/full LxWxH cm Through wall install. possible 3-Track paper feed Wall mount for 5 L canister 5 L canister for wall mount Collecting tank for overflow Cleaning powder for	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55 78x60x42 • included Item.No.7151 Item.No.7164
0	Electrical rating 230V 115V Weight empty/full LxWxH cm Through wall install. possible 3-Track paper feed Wall mount for 5 L canister 5 L canister for wall mount Collecting tank for overflow	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55 78x60x42 • included Item.No.7151 Item.No.7164 Item.No.7153
	Electrical rating 230V 115V Weight empty/full LxWxH cm Through wall install. possible 3-Track paper feed Wall mount for 5 L canister 5 L canister for wall mount Collecting tank for overflow Cleaning powder for cleaning of tanks	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55 78x60x42 • included Item.No.7151 Item.No.7164 Item.No.7153 included
0	Electrical rating 230V 115V Weight empty/full LxWxH cm Through wall install. possible 3-Track paper feed Wall mount for 5 L canister 5 L canister for wall mount Collecting tank for overflow Cleaning powder for cleaning of tanks Processor-Clean	Temperature and processing time via scales 230V/50Hz 2300W 115V/60 Hz 1600W 35/55 78x60x42 • included Item.No.7151 Item.No.7153 included Item.No.7153

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## Original JOBO Chemistry All JOBO products are fine-tuned to match each other: processor, chemistry, kit-size and service







#### E-6 3-BATH

Item No. 9220 Kit for 5 Liter Item No. 9225 First Developer 15 L, 3 L-Cubitainer (1 pcs.) Item No. 9226 Color Developer 15 L, 3 L-Cubitainer (2 pcs.) Item No. 9227 Bleach Fix 15 Liter, E-6 3-Bath/C-41 2-Bath, 3 L-Cubitainer (2 pcs.) Item No. 9228 Stabilising Bath, 30 Liter (6x 5 Liter)

#### For easy handling.

Item No. 9229	Filling Station f. Cubitainer, 5 pcs.
Item No. 9249	BX-Filling Station f. Cubitainer, 2 pcs.
Item No. 9230	Wall mount f. 5 Cubitainer, incl. Filling Station

#### C-41

Item No. 9240 3-Bath, Kit for 5 Liter Item No. 9244 2-Bath, Color f. 2x 10 Liter (Original Fuji Hunt) Item No. 9227 Bleach Fix 15 Liter, E-6 3-Bath/C-41 2-Bath, 3 L-Cubitainer (2 pcs.) Item No. 9245 Original Fuji Hunt Starter

#### RA-4

Item No. 9250 Kit for 5 Liter Item No. 9255 Color-Developer-Replenisher f. 2x 10 Liter Item No. 9256 Starter f. RA-4 Color-Developer-Replenisher, 1 L Concentrate Item No. 9257 Bleachfix Replenisher and -Working solution for 2x 10 Liter



#### **MISTRAL**

Mistral Motorhead Item No. 3520 Drying cabinet for 35mm/120 films Item No. 3521 Film dryer for 35mm and 120 films. The air is filtered and heated. With two heat settings of 35° C and 45° C and one additional cold air setting. Transparent drying cabinet composed of very sturdy and durable plastic. Magnetic strips allow for easy opening and closing.

**Drying temperature levels:**  $1 = \text{room temperature}; 2 = 35^{\circ} \text{ C}; 3 = 45^{\circ} \text{ C}$ Item No. 3521 80"x10"x9" **Technical Data:** (204x26x22cm)**Capacity:** 35mm 36 exp. - 16 films 120/220 rollfilm - 9 films

### Accessories

Useful photo lab accessories for the specialist at home and for professional application.



#### LAB KIT Item No. 9210

Kit for starting film processing. Economical entry for getting started in processing B/W, film and paper. For all those, who occasionally like to process their film themselves.

#### Includes:

Tank 1520; reel 1501; set of film clips; 1 film wiper; 1 graduate 600 ml; 1 graduate 50ml, 1 Stirring Rod; 3 darkroom trays 20x25cm(8x10"); 3 print Tongs; Thermometers.



#### COLOR CONTROL CARD Item No. 6817

For color and B/W films, on A-6, folds together, can be washed.

The card folds into a 4  $\frac{1}{2}$ "x7" (A-6) pocket size and can easily be cleaned. By taking a picture of the of the card in each roll of film, you can calibrate your analyzer or simply find the best filter pack to start printing that roll of film. The back of the card is 18% gray and can be used as a density reference point for measurement of exposure. It also includes six gray patches from 0 u to 1,5 in 0,3 logD increments, basic color (red, green, blues) and the mixed colors Y, M, C.



#### FILM CARTRIDGES Item No. 3529

Film cartridges for loading of bulk film. Made of plastic, the cartridge bottom can be screwed off. Fits all 35mm cameras and loaders for bulk film.

One package contains 100 pieces.

#### SLIDE MOUNTS Item No. 3547

Glassless folding slides mount. For simple mounting of all slides of size 24x36cm (9x14"). S-slide mount for safe archival. Front side in white for a better absorption of heat. Package: 200 pieces.



 DARKROOM TRAYS
 Item No. 3110-32
 CM/"

 With pour spout, groove for the print tongs and high sides for easy paper transport.
 Item Integration 13x18

<b>U</b> 111/	DEIVE		
	Item No.	Item No.	Item No.
13x18	3110	3111	3112
(5x7")			
20x25	3124	3125	3126
(8x10")			
24x30	3130	3131	3132
(11x14")			

BEIGE WHITE BED



 DARKROOM TRAYS
 Item No. 3140-52
 CM/"

 With pour spout, groove for the print tongs and high sides for easy paper transport.
 30x4

 (12x1)

CM/"	BEIGE	WHITE	RED
	Item No.	Item No.	Item No.
30x40 2x16")	3140	3141	3142
40x50 6x20")	3150	3151	3152

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#### MAGNIFICATION LOUPE 4/8X Item No. 3525/3526

Attractive gold finish body. The aspheric loupes with coated lenses provide an excellent view of the total motif and yet allow specific judgement of sharpness in the details.

With transparent and opaque ring for either reflection or transmission viewing. Diopter adjustment built in. Comes with neck strap.

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#### LIGHT BOX Item No. 6481

Battery or optional electrical outlet operation. Fluorescent tubes provide illumination similar to daylight and avoid heating up the viewing panel as with conventional bulbs. With ON/OFF switch, film retaining bar and tilting support for inclining. The large light box can also be wall mounted.

Accessories: Item No. 6485 Mains supply unit (Optional, not included with light box) Item No. 16330 Spare tube for 6481



#### **5L CONTAINER** Item No. 3336 **5L CONTAINER W.DRAIN**

Item No. 4227

For mixing and storage of chemicals. Chemical container made with chemical resistant and translucent material. With liquid measurement scale. Chemicals can easily be filled directly into your graduates or the processors from these bottles.



#### SCALED BOTTLES Item No. 3370-75

Suitable for all manual processors. Quality chemical storage bottles. Available in various sizes, black or white. Measuring grades display the remaining quantity of chemistry in 100 ml increments.

	BLACK	WHITE
	Item No.	Item No.
600 ml	3370	3371
1000 ml	3372	3373
2000 ml	3374	3375

9	-
2500 ml	2500 ml

<b>2500ML BOTTLE</b> Item No. 3376-77	
For mixing and storage of chemicals	All IOBO scale

For mixing and storage of chemicals. All JOBO scaled bottles are equipped with special, well sealing lids.

	BLACK	WHITE	
	Item No.	Item No.	
2500 ml	3376	3377	



AIR REDUCTION STORAGE BOTTLE Item No. 3395-96	SIZE	ITEM NO.
Bottle compresses to allow complete expulsion of air prolonging the	1000 ml	3395
shelf life of your chemistry.	2000 ml	3396



#### WATER FILTER Item No. 8050 **FILTER CARTRIDGE** Item No. 8051

Reduces most dust and dirt from the water supply and rinse water. Prepared for connection to pressure hoses with thread size <sup>3</sup>/<sub>4</sub>". Includes wall support. For water temperatures up to 45° C and 8 bar pressure. Comes without filter cartridge # 8051.





**GRADUATES** Item No. 3301-06 Crystal clear graduates, scaled in ml and fluid

ounces. With pour spout and base.

SIZE	ITEM NO.
25 ml	3301
50 ml	3302
100 ml	3303
250 ml	3304
500 ml	3305
1000 ml	3306



#### **PRINT WIPER** Item No 4122

For all types of PE papers. A soft rubber blade removes excess water from the surface of processed paper allowing it to dry quickly. The paper can then be suspended to dry without any water marks. Use of the print wiper speeds up the drying process.



#### FILM CLIPS Item No. 3312

For drying 35mm films and rollfilms. A pair of film clips, weighted/non-weighted. The film is hold securely with stainless steel pins that avoid marks or drips at the clip end. **FILM CLIPS FOR SHEET FILM** Item No. 3524 Package 10 pcs.



#### **CASCADE FILM WASHER** Item No. 3350 **CASCADE PRINT WASHER** Item No. 3551

A force film washer in combination with all JOBO tanks. For archival washing at minimum water usage. Reduces required washing time of B/W films for 3 minutes. A universal adapter allows connection to most taps and a unique system allows you to set the water flow to an optimal rate.

Cascade Print Washer can be attached to all darkroom trays for print washing.



#### THERMOMETERS Item No. 3320-21

Precision thermometers without mercury. With scale markings allowing easy read-out of temperature.

Item No. 3320 for B/W up to  $30^{\circ}$  C; Item No. 3321 for color up to  $50^{\circ}$  C.



SET OF MIXING RODSY Item No. 3316



#### FILM WIPER Item No. 3530

For fast drying of 35mm and rollfilms. Four soft rubber blades remove excess water from the surface of processed film allowing it to dry quickly. Exerts even pressure on the full width of film without scratching.



#### **SET OF PRINT TONGS** Item No. 4125

For tray processing of paper (Set consists of 2 pieces) Made with plastic to avoid scratches on the surface of PE papers. Specially designed to prevent them slipping off the tray into the solution. With hole to allow hanging from a hook when not in use.



#### FILM WIPER Item no 3532

The economical version. For fast drying of 35mm and rollfilms. Two soft rubber blades remove excess water from the surface of processed film.



#### **SUCTION PUMP** Item No. 4045

Self-sucking. Ideal for all CPE and TBE users. Allows easy draining of the water -jacket. It can also be used to transfer small volumes of chemicals from large containers.

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## JOBD FOR YOUR BEST IMAGE

## Enlarger



#### 4X5" ENLARGER

A proven, high-quality unit for professional use. For all formats from 24x36mm up to 4x5" User-friendly, compact, sturdy. The JOBO 4x5" professional enlarger is available as B/W, VCCE variable contrast or color enlarger. The baseboard allows enlargements up to 20x24" (50x60cm). For larger formats, the JOBO wall mounting kit is available as an accessory. The unit comes with cooling fan, white-light lever and voltage-stabilized power supply. Comes with precision focus control (1:5); counter-balanced, spring supported height adjustment, heavy-duty 80x60cm baseboard made of 2.5cm gray wood with steel reinforcements and rubber feet. An additional cover for the integrated fan keeps fan noise to a minimum. The metal support column is 11cm wide, 9cm deep and 135cm long giving increased distance between the optical axis and the column.

Color Enlarger Item No. 7415 VCCE Enlarger Item No. 7425 B/W Enlarger Item No. 7435

#### **COLOR MODULE** Item No. 7473

Easy-to-use rotary knobs, a precise filter system and an illuminated scale insure repeatable filter settings. With white-light lever and a built-in density shutter (reduction approx. 2 F-stops). Dichroic filters with values from Yellow 200, Magenta 170, Cyan 200.



#### VCCE-MODULE Item No. 7472

For use with variable contrast papers, the VCCE module provides constant exposure times with varying paper grades. You only set the required gradation number. With white-light lever and selector switch for papers of different manufacturers.

#### **B/W MODULE** Item No. 7458

For professional B/W printing with a constant paper grade.

The JOBO 4x5" enlarger includes the following items: 4x5" diffusor box "; halogen lamp; glassless 4x5" negative carrier "; red filter; column/baseboard; lens holder 39 mm; stabilized power supply.

#### Accessories

Wall Mount	Item No. 7488, suitable for enlarger Item No. 7415, 7425, 7435
Lens Holders	Suitable for Item No. 7415, 7425, 7435: Item No. 7740=39mm; Item No. 7479=42mm;
	Item No. 7480=50mm; Item No. 7481=53mm; Item No. 7492=55mm.
Diffusor	Box 6x7cm Item No.7457, increases light output up to 1 F-stop for handling film for-
mats	up to size 6x7cm. Easy to change.
Lamps	Halogen Lamps Item No. 7471 - 24V/200W;Item No. 7496-24V/250W
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#### COLOR-ENLARGER MX7700 Item No. 7700

#### VCCE MULTIGRADE ENLARGER Item No. 7701

Professional enlarger allowing parallax correction with a tilting lens base. Metal housing, with dichroic filters. Column and enlarger head can be rotated for floor and wall projection. Illuminated filter scale for exact read-out of the filter settings. With white-light lever, red filter holder and built-in IR and UV filter. **Comes with:** 

Universal glass carrier w. adjustable masking strips; lamp; lens-holder M 39; (does not include transformer (Item No. 6606 stabilized or 6605) and lenses.)

#### Accessories

Fine focus Item No. 7703; Repro Camera Adapter Item No. 7705; B/W Condensor head Item No. 7745 Dust Cover Item No 7739 Lamps: Item No. 16006 12V/100W Halogen; Item No. 7747 220V/75W Opal

#### **CHART ENLARGERS**

TECHNICAL DATA	4X5´COLOR	4X5´ Variocontrast	7700MX Color	VCCE 7700
Enlarger	Item. No. 7415	Item. No. 7425	Item. No. 7700	Item. No. 7701
Halogen lamp	24V 250W	24V 250W	12V 100W	12V 100W
Automatic density compensation with VC		•		•
Cooling fan	•	•		
Column height	135 cm	135 cm	110 cm	110 cm
Baseboard	60x80 cm	60x80 cm	45x60 cm	45x60 cm
Fine Focus	•	•	Iten No. 7703	Iten No 7703
Repro adapter			Item.No.7705	Item.No.7705
Lens holder M39	•	•	•	•
Included negative	4x5´ glassles	4x5' glassles	Universal carrier with glass	Universal carrier with glass

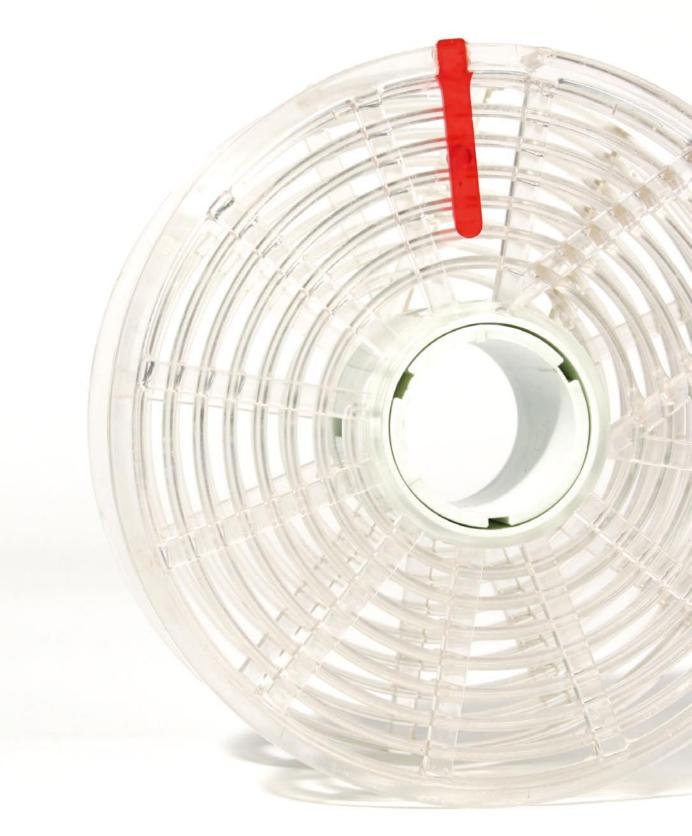
#### ACCESSORIES/SPARE PARTS

	4X5´COLOR	4X5´ Variocontrast	7700MX Color	VCCE 7700
Focusing extension	Item.No.7494	Item.No.7494		
Wall mount	Item.No.7488	Item.No.7488		
VCCE module	Item.No.7472	Item.No.7472		
Color module	Item.No.7473	Item.No.7473		
B/W module	Item.No.7458	Item.No.7458	Item.No.7755	Item.No.7745
Repro adapter			Item.No.7705	Item.No.7705
Fine Focus			Item.No.7703	Item.No.7703
Halogen lamp	Item.No.7471	Item.No.7471	Item.No.16006	Item.No.16006
Spare glass 4x5" norm	Item.No.7482	Item.No.7482		
Spare glass				
4x5" Anti-Newton	Item.No.7483	Item.No.7483		
Diffusor Box 6x7	Item.No.7457	Item.No.7457		
Transformer, unstabilised			Item.No.6605	Item.No.6605

### ACCESSORIES NEGATIVE CARRIERS

	4X5´COLOR	4X5´ Variocontrast	7700MX Color	VCCE 7700
24x36mm	Item.No.7464	Item.No.7464	Item.No.7731	Item.No.7731
5x5cm f.framed slides	Item.No.7485	Item.No.7485	Item.No.7732	Item.No.7732
4,5x6cm	Item.No.7465	Item.No.7465	Item.No.7733	Item.No.7733
6x6cm	Item.No.7466	Item.No.7466	Item.No.7734	Item.No.7734
6x7cm	Item.No.7467	Item.No.7467	Item.No.7735	Item.No.7735
6x9cm	Item.No.7468	Item.No.7468		
4x5'	Item.No.7469	Item.No.7469		
Universal negative carrier w. glass and masking strips			Item.No.7736	Item.No.7736
Masking strips for all carriers	Item.No.7462	Item.No.7462		

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