

English

Durst *Laborator* 1385



The truly universal enlarger



The Laborator 138 S, fitted with the CLS 1000 colour head for colour work or with the new condenser system for black-and-white, is the ideal enlarger for all film sizes up to 13 x 18 cm or 5 x 7 in. It easily copes with converging verticals, deliberate distortion and even horizontal projection.

CLS 1000

Colour head

Short exposure times thanks to the high light output of the special 1000W tungsten-halogen lamp and interchangeable double mixing boxes matched to the main film sizes (13 x 18 cm or 5 x 7 in., 10 x 12.5 cm or 4 x 5 in., 6 x 9 cm or 2 1/4 x 3 1/4 in., 24 x 36 mm). These also ensure-

Optimum colour mixing and even illumination with all film sizes.

Stepless light intensity control (up to D 60) with built-in density diaphragm maintains preferred ideal apertures and exposure times with films of varying density or at different magnifications.

Linear filter scales provide constant correction intervals at all actual filter settings.

High filter densities cope easily with difficult originals. Three dichroic filters (yellow, magenta, cyan) provide settings up to 130 densitometric values. Also supplementary 70 Y and 35 M filters.



White-light lever swings colour filters and density diaphragm out of light path for easier focusing.

Electronic voltage stabiliser absorbs voltage fluctuations up to +10% and -15%.

Efficient cooling system with built-in fan.



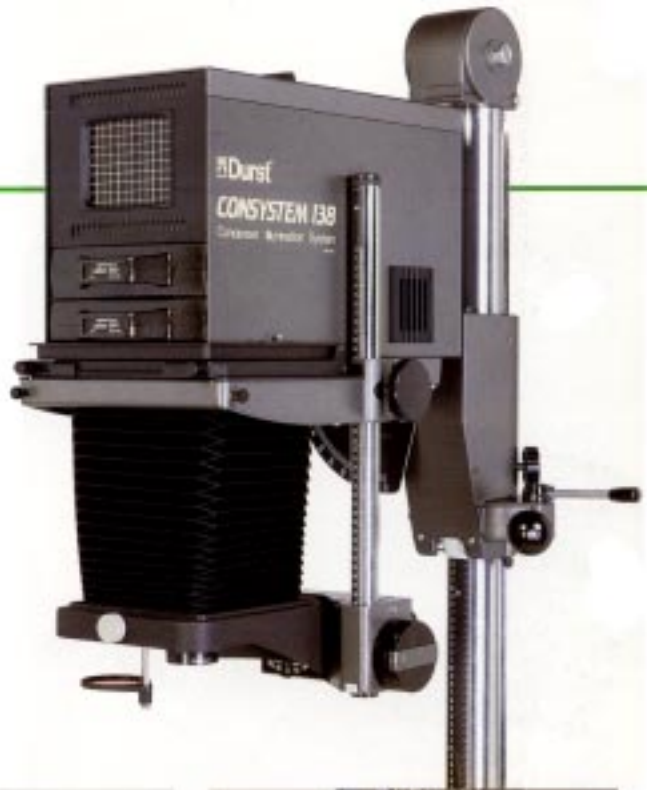
CONSYSTEM 138

Condenser lamphouse

Applications:

Condenser lighting provides much more concentrated illumination than the diffused-light lamphouse and hence more contrasty rendering of lettering, engineering subjects, low-contrast negatives etc.

- **Reflex lighting system** for even illumination and low heat generation in the film plane.
- **Three-way lamp centering** with micrometer adjustment permits even image illumination right to the corners.
- **Lamp location scale** facilitates rapid lamp resetting when changing condensers and/or lenses.
- **Interchangeable condenser pairs** assure optimum condenser matching to the focal length of the lens in use and shortest exposure times.
- **Built-in filter drawer.**
- **Opal lamps** of 110 mm diameter (OPAL 200, 300, 500) provide high light intensity and even illumination.
- **Built-in fan** keeps negatives cool even in constant operation.



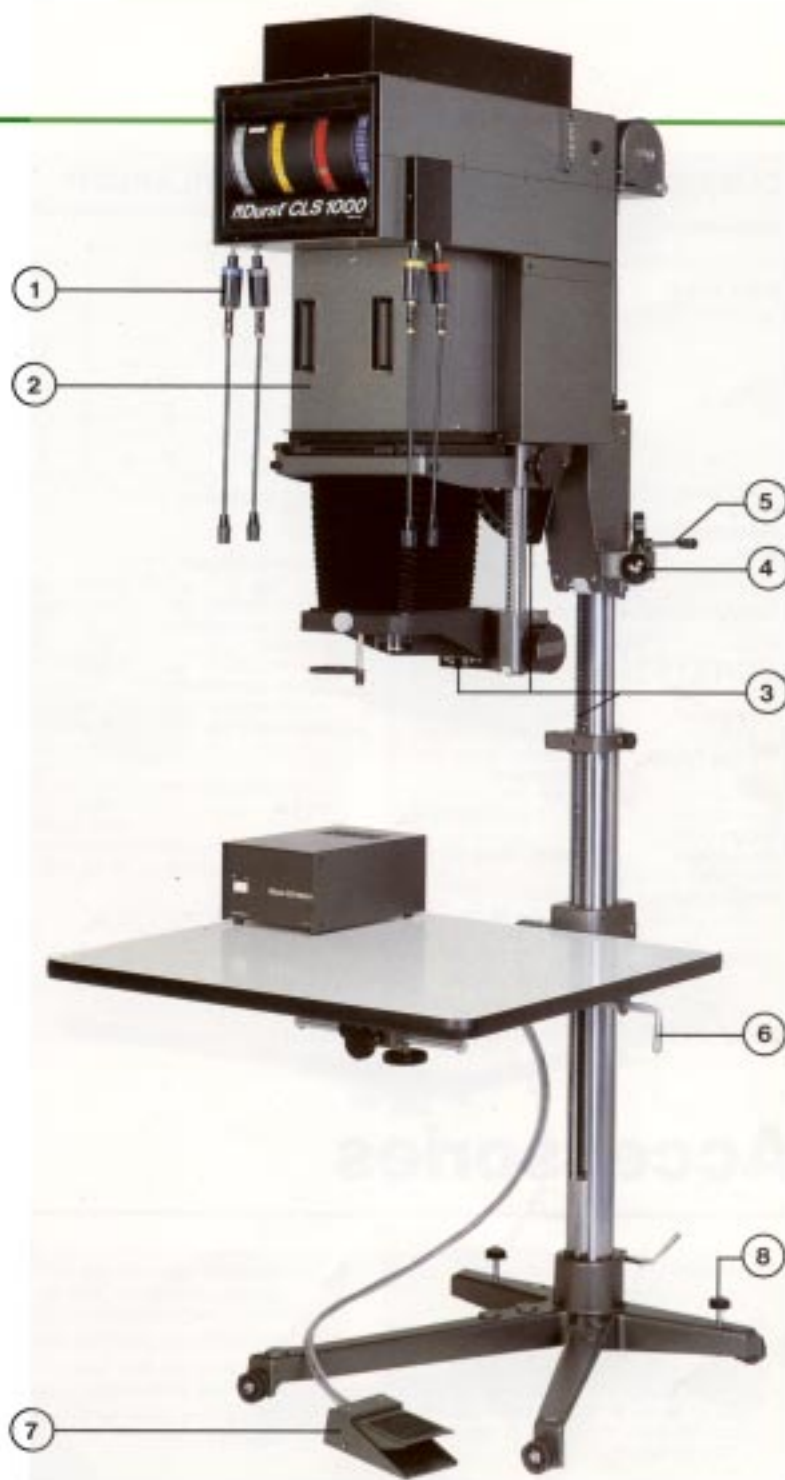
Farb- und dichtedominantenbehaftete Negative/Diapositive werden durch die optimale Anpassungsfähigkeit der automatischen Farb- und Dichtekorrektur auf die zu verarbeitenden Aufnahmemotive (z.B. bei vorwiegenden Aufträgen aus Urlaubsorten am Meer oder aus Winter-sportgebieten) automatisch korrigiert. Da der größte Teil aller Negative/Diapositive diese Eigenschaft aufweist, ergibt sich eine über 50% höhere Ausbeute der Erstbelichtungen im Vergleich zu Geräten mit herkömmlicher Belichtungssteuerung.

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Unit description

1. Filter control knobs
2. Mixing box
3. Scales for repeat settings
4. Knob for vertical adjustment
5. Rapid raising control
6. Clamping lever to tilt baseboard when correcting converging verticals
7. Pedal for vertical baseboard adjustment
8. Levelling screws for uneven floors



Technical data

CLS 1000 colour head

- Light source : 1000 watt, 120 volt tungsten-halogen lamp
- Mains supply : - via voltage-stabilised EST 1000 N mains transformer
- nominal voltage 220/240V, 50-60Hz
- stabilising range 180-260V
- output voltage of EST 1000 N: 120V ± 1%
- Power consumption : 1200 W
- Filters : Dichroic, up to 130
- Supplementary filters : Loose 18 x 18 cm filters, approx. 70 Y and 35 M
- Density diaphragm : 0 to 60 (= 2 f-stops)

CONSYSTEM 138

- Light source : Choice of opal lamps - 200, 300 or 500W
- Lighting system : Deflecting mirror and condensers
- Cooling : Built-in fan
- Filter drawer : For 12 x 12 cm filters
- Weight (without condensers) : Approx. 10 kg (22 lb)
- Size (width x height x depth) : Approx. 35 x 35 x 46 cm (13.7 x 13.7 x 17.9 in.)
- Mains voltages : 100, 110 and 120V or and 240V, 50-60Hz

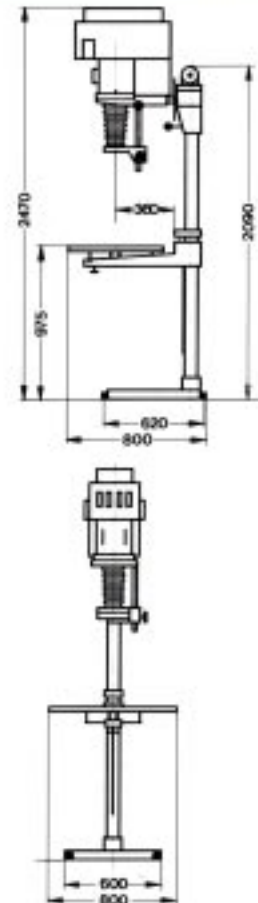
BASIC ENLARGER

Linear magnifications on baseboard

Focal length	max. *	min. *
240 mm	4.2 x	0.9 x
210 mm	5.3 x	0.8 x
150 mm	8.3 x	1.0 x
105 mm	12.5 x	1.4 x
80 mm	17.5 x	1.5 x
50 mm	28 x	4 x

* Indicative values

- Overall height with CLS 1000 : 2480 mm (96.7 in.)
with condenser unit : 2200 mm (85.8 in.)
- Optical axis/column distance:
(a) with CLS : 405 mm (15.8 in.)
(b) with condenser lamphouse : 360 mm (14 in.)
- Baseboard size : 600 x 800 mm (23.4 x 31.2 in.)
- Floor space required, approx. : 1100 x 1000 mm (43 x 39 in.)
- Net weight with CLS : 86 kg (189 lb)
with condenser unit : 75 kg (165 lb)



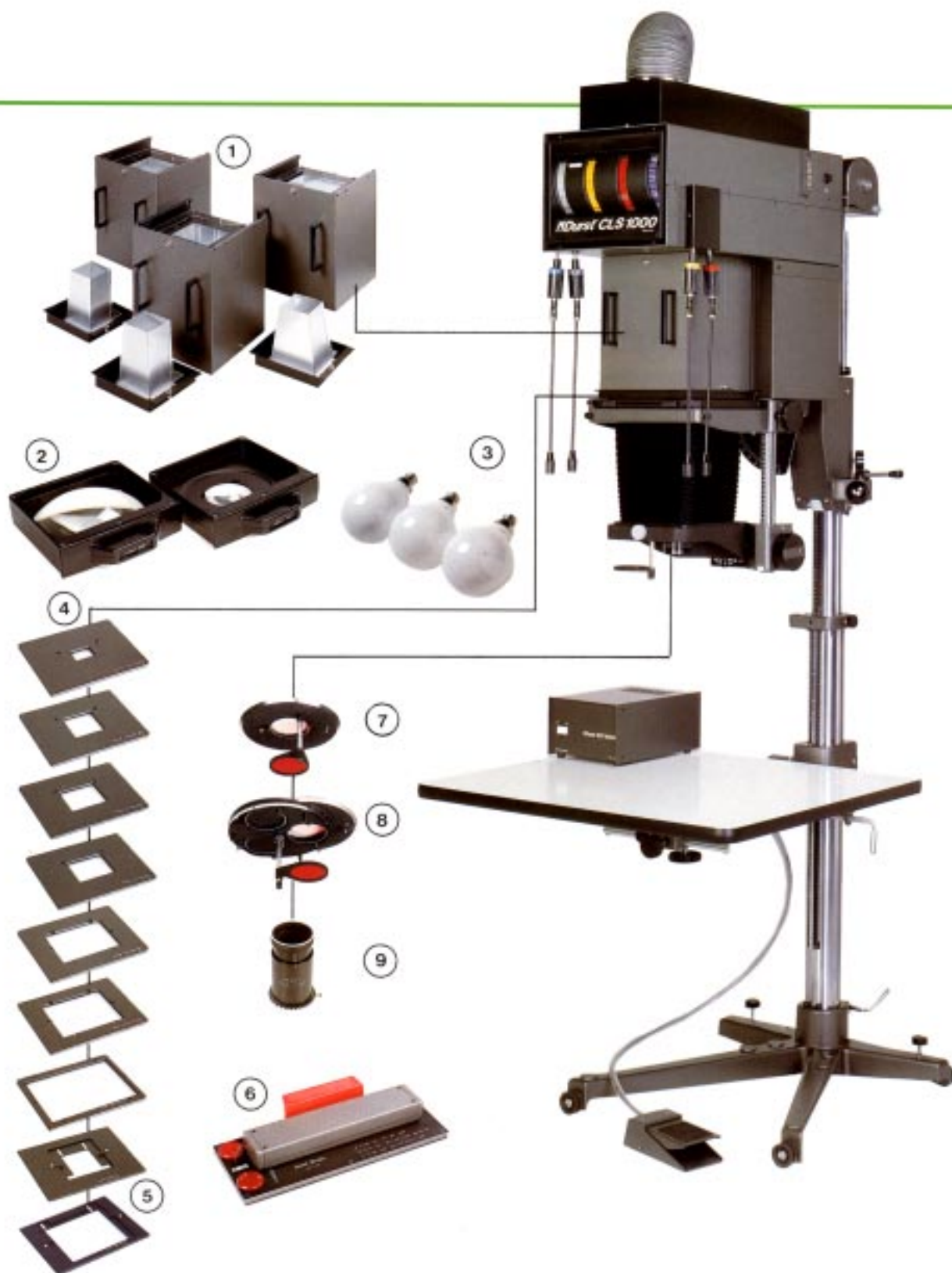
Accessories

- ① TRINOBOX 450, 69, 35 double mixing boxes
- ② LATICO 85, 130, 200 and 240 condensers
- ③ OPAL 200, 300, 500 opal lamps
- ④ TRINOMASK 138, 450 N, 92 N, 69 N, 67 N, 66 N, 35 N format masks for film sizes from 24 x 36 mm to 13 x 18 cm or 5 x 7 in.

- ⑤ TRIGRAFI metal masks with two glasses and register pins for the MIVALO register system
- ⑥ MIVALO micro precision punch
- ⑦ UNIPLA single lens board for lenses of 100 mm to 240 mm
- ⑧ TRIPLA lens turret for three lenses of 100 mm to 240 mm

- ⑨ DUTUB 2 for same-size copies and reductions
 - LARATUB N lens tube with M 39 thread for lenses of 50 mm to 80 mm focal length
 - LAGUM dust cover

Accessories



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Durst products are being constantly developed to the latest state of the art.
Illustrations and descriptions are therefore subject to change.

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