

# M 670

For the more demanding beginner

The M 670 is available in three versions: the M 670 BW for black-and-white, the M 670 Color for colour processing, and the M 670 VC for processing variable-contrast paper. The basic unit can be converted to the required type of processing with conversion kits consisting of the lamp-house and filter system (for colour), or lamphouse and condensers (for black-and-white enlarging).

## M 670 Color

The M 670 Color with its diffuse light source (100 W halogen lamp), non-fading dichroic filters (with settings up to 170 D (densitometric units) and light mixing boxes, is capable of enlarging colour negatives, colour positive films as well as B/W films when using variable contrast papers.

The standard enlarger unit is designed for printing 24 x 36 mm films, but can be easily converted for 4.5 x 6 cm (1<sup>3</sup>/<sub>4</sub> x

The M 670 is noted for its efficient lighting system with perfect illumination and colour mixing.

Stability is provided by the square cross-section column and an adjusting mechanism that works with a crank and toothed rack. The M 670 is an enlarger for particularly demanding darkroom work. The head can be tilted 90° and can be fitted up for copy work. The film carrier (with ad-

2<sup>1</sup>/<sub>4</sub> in)/6 x 6 cm (2<sup>1</sup>/<sub>4</sub> x 2<sup>1</sup>/<sub>4</sub> in)/6 x 7 cm (2<sup>1</sup>/<sub>4</sub> x 2<sup>3</sup>/<sub>4</sub> in) films by means of conversion kits (Vegaset 66/67) with absolutely no loss of the optimum illumination and colour mixing quality.

The enlarger comprises a coated 46 x 50 cm (18 x 19<sup>3</sup>/<sub>4</sub> in) baseboard, square profile column with height/factor increments in cm and inches, height adjustment by crank and toothed rack, negative carrier of glass-reinforced plastic, fine focusing mechanism with bel-

low and adjustment knob on the left and right, lens board with an M 39 thread for holding enlarging lenses, diffusion-type lamp housing with 100 W halogen lamp and coated reflector.

Filter system with Y-M-C glass dichroic filters which are adjustable by means of sealed filter wheels (interior illumination) up to 170 densitometric units, white-light lever with indication of position, non-fading light mixing boxes, Unineg universal film carrier

to the particular lens focal length and the film. Through the optimum coordination of the lens and condenser / light-mixing boxes, illumination is maximised and the fall-off of light towards the edges is minimised – particularly important aspects for print quality.

and Sivopar 35 format masks for 24 x 36 mm originals.

Power supply by means of simple transformer (Tra 305 N) or stabilised mains supply system (Est 305 N), connection cord and plug comply with regional specifications.

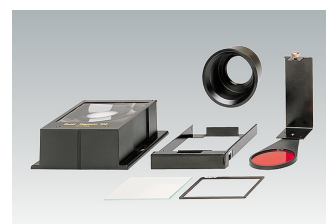
## M 670 BW

Enlarger comprises a coated 46 x 50 cm (18 x 19<sup>3</sup>/<sub>4</sub> in) baseboard, square profile column with height/factor increments in cm and inches, height adjustment by crank and toothed rack, negative carrier of glass-reinforced plastic, fine focusing mechanism with bellows and adjustment knob on the left and right, lens board with an M 39 thread for holding enlarging lenses, black-and-white condenser lamp housing with 150 W opal lamp, reflecting mirror system, Siriocon 50 condenser, Unineg universal film carrier for 24 x 36 mm films, filter drawer for insert-type filters (75 x 75 mm), power supply via connection cord with plug in compliance with regional specifications.



**M 670 BW/head**

The BW condenser lamphouse is available as a separate unit for conversion from colour to black-and-white. No tools are needed for the conversion.



## Vegaset 66/Vegaset 67

Vegaset 66 is the conversion kit for processing 4.5 x 6 cm (1<sup>3</sup>/<sub>4</sub> x 2<sup>1</sup>/<sub>4</sub> in) and 6 x 6 cm (2<sup>1</sup>/<sub>4</sub> x 2<sup>1</sup>/<sub>4</sub> in) negatives. It consists of a condenser, anti-Newton glass and format mask. The Vegaset 67 is an equivalent kit for 6 x 7 cm (2<sup>1</sup>/<sub>4</sub> x 2<sup>1</sup>/<sub>4</sub> in) films.



## M 670 VC

Constant exposure time with any contrast

The M 670 VC black-and-white enlarger meets the highest quality requirements for enlargements on variable-contrast papers, and its simple operation provides maximum scope for creativity.

To set the contrast, a filter wheel moves the yellow and magenta filters into the path of the beam via two cam discs. Both filters are synchronised. Consequently, the exposure time remains constant even if the contrast is changed.

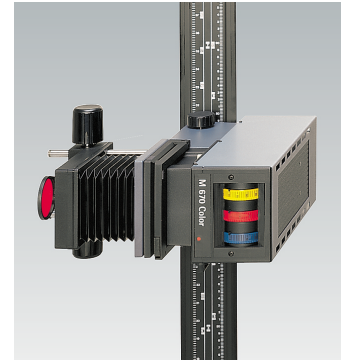
The standard version of the M 670 VC is designed for 6 x 6 cm (2 1/4 x 2 1/4 in) medium format, but it can also be upgraded for all formats from APS, 24 x 36 mm to medium 6 x 7 cm (2 1/4 x 2 3/4 in) format.



The efficient light control system guarantees short exposure times and permits precise focusing due to the even illumination.

The diffuse lighting of the M 670 VC also has the practical advantage that fine dust and slight negative imperfections are less visible in the final print.

The head can be tilted up to 90°, with the exact angle of inclination shown on a scale. Rectification of converging verticals and wall projection are possible.



### Wall/floor projection

The head of the M 670 enlargers can be tilted 90° and locked in the horizontal position. Giant-size enlargements can thus be produced by projecting on to the floor or wall.

### Optional accessories

for the M 670 range:

- Stabiliser/transformer (Est 305 N/Tra 305 N)
- Dust cover (Siriocuf)
- Wall mount (Vegawal)

Conversion kits see page 58.

### Technical data

#### M 670 Color/BW/VC

Max. film format: 6 x 7 cm (2 3/4 x 2 3/4 in)

Light source:

- Colour/VC - 100 W halogen lamp (Colamp 100 S)
- B/W - 150 W opal lamp (Dulamp 150)

Baseboard size: 46 x 50 cm (18 x 19 3/4 in)

Max. print size (on baseboard):

40 x 50 cm (15 3/4 x 19 3/4 in)

Lens (optional): 35 - 105 mm

Magnification factor:

min. 2.2 x lin; max. 19 x lin

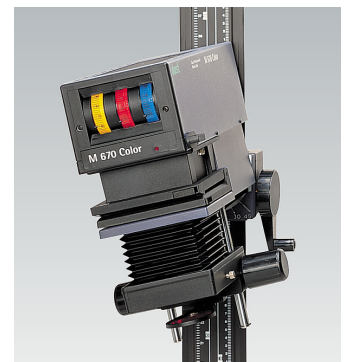
Overall height: 125 cm (49 in)

Weight: approx. 15 kg (33 lbs)

Power consumption: approx. 130 W

Power supply:

115 V/60 Hz; 230 V/50 Hz



### Rectification

Converging verticals can be rectified with all models in the M 670 series by tilting the head.