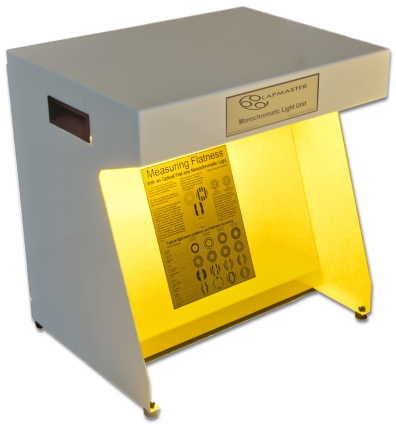
Monochromatic Light Units 1 Phase 50Hz/60Hz
for optical flats until Ø250mm
400x300x400mm

Product number:	1050801
EAN / GTIN:	4066918004970
Manufacturer number:	X04080300
Customs code:	90318020
Delivery method:	Parcel delivery service
Weight:	12kg



Product description

Suitable for evaluation of flatness results of plan surfaces according to the interference process with use of optical flats

- Sodium-energy saving lamp 35W with long-lasting running time
- Power supply 1 phase 220/240V 50Hz/60Hz
- Monochromatic wavelength 5896A = λ/2 (~0,3µ)

Delivered in individual packages

1050 801 : Standard model for optical flats until Ø 250mm
1050 802 – 1050 803 : Bench model for optical flats until Ø 300mm and Ø 350mm

Operation:

- The optical flat is placed onto the top of the workpiece to be tested where it is illuminated with monochromatic light. Monochromatic light has one single wavelength only. That is the reason why the flatness is very easy to evaluate.
- The standard model 1050 801 has a mirror in front of the lamp. A straight line is engraved across the mirror. When optical flat, workpiece and light are correctly aligned with each other, a straightness reference shall appear on the line. Shape and marking of the interference fringes enable the evaluation of flatness.

For bench models 1050 802 + 1050 803 and floor standing light units with stand, the mirror is situated inside the housing. Optical flat and workpiece are placed one upon the other, onto the light unit. The monochromatic light shall radiate upwards, and now the flatness can be evaluated the same way like for model 1050 801.

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Technical Data

Size:	400x300x400mm
Article no.:	1050801
Brand:	LAPMASTER
Manufacturer number:	X04080300
Dimension:	400x300x400mm
Wavelength:	Lambda/2
up to diameter:	Ø250mm
Weight:	12kg