



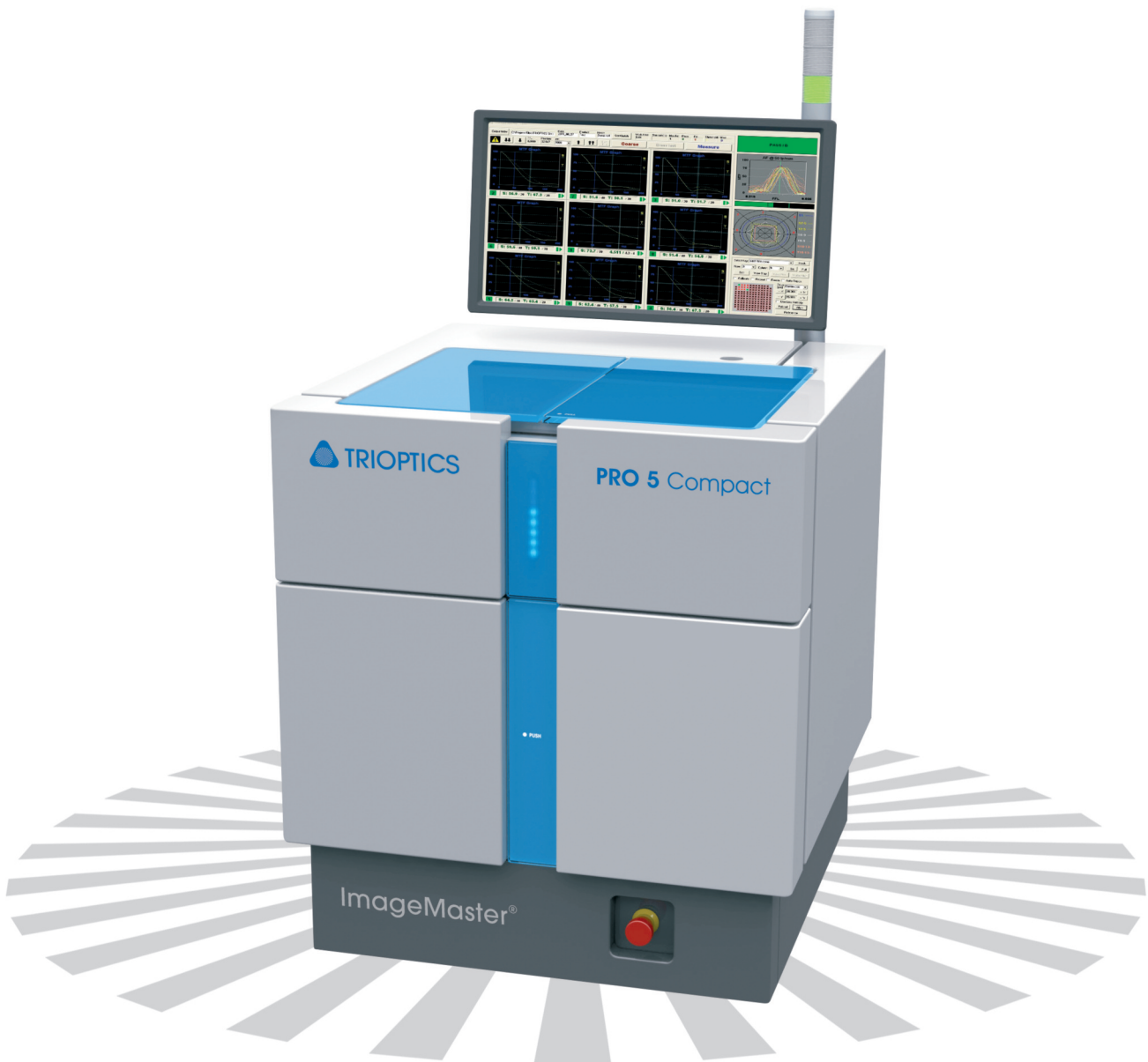
TRIOPTICS

TRIOPTICS GMBH · OPTICAL TEST EQUIPMENT

New Entry
Level Solution

ImageMaster® PRO 5 Compact

Efficient and Flexible MTF Test Station
Optimized For Production in Clean Room



The new **ImageMaster® PRO 5 Compact** is the entry level production MTF test station for qualifying mobile phone lenses and other miniature lenses with an effective focal length between 1 and 12 mm. It features

an accuracy of 2 % MTF on-axis and a production speed of up to 1500 UPH. Ergonomically designed as a space saving table top instrument it is optimized for clean room production.

ImageMaster® PRO 5 Compact

Advantages of the New ImageMaster® PRO 5 Compact Series at a glance:

- Based on ImageMaster® PRO 5 measurement technology
- Measurement time less than 2.5 sec/lens for tray system or 5.0 sec/lens with all through focus curves
- MTF on 17 field positions (sag + tan)
- Digital camera technology
- Adjustable field angles up to FOV 180 deg
- Automatic X-Y tray system (140 mm x 140 mm²)
- Automatic X-Y alignment
- Multi-sample tray system for high volume testing (up to 150 samples per tray)
- Measurement results traceable to international standards

Technical Data ImageMaster® PRO Series

	ImageMaster® PRO 5 Compact	ImageMaster® PRO 5 Ultra	ImageMaster® PRO 9
Optical set up	Infinity-finite conjugates	Infinity-finite conjugates	Infinity-finite conjugates
Max. Spatial frequency	300 lp /mm	400 lp /mm	600 lp /mm
Accuracy MTF on-axis	2 % MTF	1.5 % MTF	1 % MTF (up to 350 lp /mm)
Accuracy MTF off-axis	3 % MTF	2.5 % MTF	2 % MTF
Accuracy EFL (Effective Focal Length)	5 µm	5 µm	4 µm
Accuracy FFL (Flange Focal Length)	8 µm	6 µm	5 µm
Measurement time display on axis	2.5 sec / sample	1.8 sec / sample	1.5 sec / sample
Measurement time display all axis	5.0 sec / sample	3.5 sec / sample	1.5 sec / sample
Throughput of samples (Units per hour)*	1420 UPH	1960 UPH	2340 UPH
Measurement points	33 (17 field positions/cameras)	41 (21 field positions/cameras)	49 (25 field positions / cameras)
Dimensions (height x width x depth)	624 mm x 572 mm x 645 mm	1350 mm x 1350 mm x 675 mm	1350 mm x 1330 mm x 805 mm
Weight	70 kg	210 kg	210 kg
Clean room class FS 209 / ISO14644-1	1000 / ISO 6	100 / ISO 5	100 / ISO 5

*1 tray including 148 samples



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