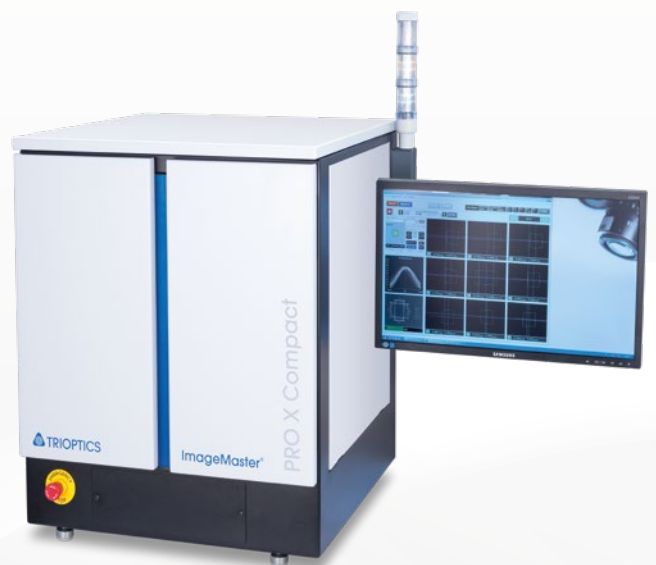




ImageMaster® PRO X Compact

MTF industry standard
meets compact design



ImageMaster® PRO X Compact

The most compact instrument of the ImageMaster® PRO series

The ImageMaster® PRO series is the world leading range of MTF-instruments for testing the image quality of mobile phone and digital camera lenses. The MTF testers, renowned for their highest accuracy and reliability are traceable to international standards and designed for 24/7 operation.

With the ImageMaster® PRO X Compact, we offer our customers the best price-performance ratio. The compact production tester is more precise, faster and more cost-effective than its predecessor.

Key features

- Flexible setup (table-top device)
- MTF on-/off-axis measurement accuracy: 1% / 2%
- Cycle time of 1.5 seconds per sample
- Max field of view: 215°
- Up to 25 cameras with 49 measurement points



Variable design for maximum flexibility

The monitor can be positioned in several configurations – mounted on the side or the front. This allows you to flexibly adapt the instruments' footprint based on your production environment.

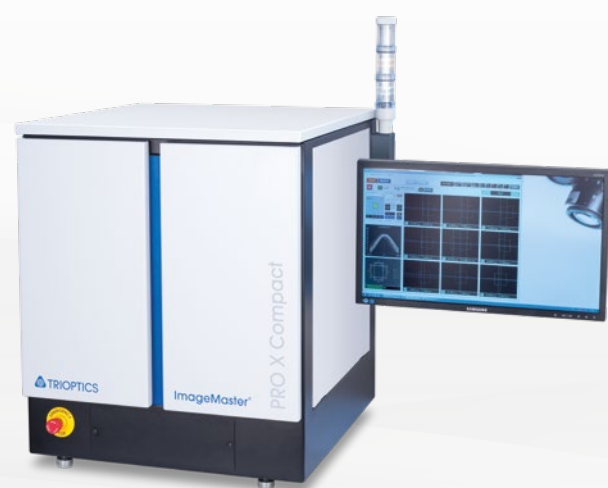


Table top device with side-mounted monitor



Table top device with front-mounted monitor

Technical data

ImageMaster®	PRO X Compact
Optical set-up	Infinite-finite conjugates
Max. spatial frequency	600 lp/mm
Accuracy MTF on-axis**	1 % MTF (up to 250 lp/mm)
Accuracy MTF off-axis**	2 % MTF
Accuracy EFL (effective focal length)	4 µm
Accuracy FFL (flange focal length)	5 µm
Measurement time	1.5 sec/sample
Throughput of samples (units per hour)*	2340 UPH
DOF - depth of focus***	3 µm
Image plane tilt***	0,02°
Azimuth - direction of tilt***	5°
Light source	white LED
Filter	VIS (NIR Optional) – all filters possible - Standard photopic eye filter -
Measurement points	49 (25 field positions / cameras)
Dimensions (height x width x depth)	905 mm x 620 mm x 650 mm
Weight	92 kg
Size of sample holder / scan table travel	Tray 150 mm x 150 mm
Sample holder / trays	3 point kinematic mount tray with certified reference flatness
Sample quality classes	4 quality classes
Cleanroom class FS 209 / ISO14644-1	1000 / ISO 5
ACM	Exchangeable autocollimator
Camera	USB 3.0

* 1 tray including 148 samples / tray changing time 5 sec.

** Accuracy is measured on MTF peak values

*** Accuracy depends from sample, sample tilt, number of steps, sample rotation and number of telescopes



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