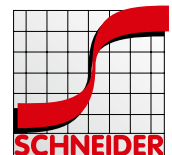


Modulo Line

Measuring

PMD modulo

Automated in-line quality inspection, intelligently combined



Fascination for Innovation

PMD modulo

With PMD Modulo SCHNEIDER introduces quality inspection to the fully automated production environment. For the first time blocked lenses can be measured automatically in-line without interrupting production.

Utilizing UV light for deflectometrical measurement, PMD Modulo is unaffected by common issues with transmissive measurements. It measures diopters and cosmetics directly and non-destructively based on one sole reflection. No need to deblock the lens.

PMD Modulo evaluates lenses on the fly with high resolution and without touching the lens. For the first time, on-the-block lens measurement occurs right after lens surfacing, avoiding the drastic time gap between manufacturing and quality inspection of current productions.

Maximum value is gained from the UV-PMD in conjunction with the LMS Modulo Cockpit. Integrating the PMD into the Modulo system opens up extensive new opportunities to analyze the collected data. The results are various new options and features that can considerably increase the value of your production line, e.g. a quality gate and quality trend recognition.

technical data		
lens material	all organic materials	
surface	polished	
measurement area	up to 80 x 80 mm	
measurement range	base curve	cylinder curve
concave	$r = -62,5 \text{ mm} \dots \infty$	$r = -50 \text{ mm} \dots \infty$
convex	$r = 80 \text{ mm} \dots \infty$	$r = 80 \text{ mm} \dots \infty$
measurement accuracy	+/- 0.03 dpt	
power consumption	4.9 kVA avg.	
air requirement	6 bar (87 psi)	
weight machine	approx. 1150 kg (2536 lb.)	
dimensions without control panel (width x depth x height)	approx. 1740 x 1320 x 1715 mm (69 x 52 x 68 inches)	

All data subject to change without notice. Please verify details with SCHNEIDER.

Benefits

- Automated in-line measurement
- Measurement of blocked lenses in production
- On the fly lens evaluation
- Rx and freeform measurements
- Diopter and cosmetics measurement
- Supports the new cognitive Modulo machine philosophy

SCHNEIDER GmbH & Co. KG
 Biegenstrasse 8-12
 35112 Fronhausen
 Germany
 Phone: +49 (64 26) 96 96-0
 Fax: +49 (64 26) 96 96-100
 www.schneider-om.com
 info@schneider-om.com

SCHNEIDER Optical Machines Inc.
 6644 All Stars Avenue, Suite 100
 Frisco, TX 75033, USA
 Phone: +1 (972) 247-4000
 Fax: +1 (972) 247-4060
 info-us@schneider-om.com

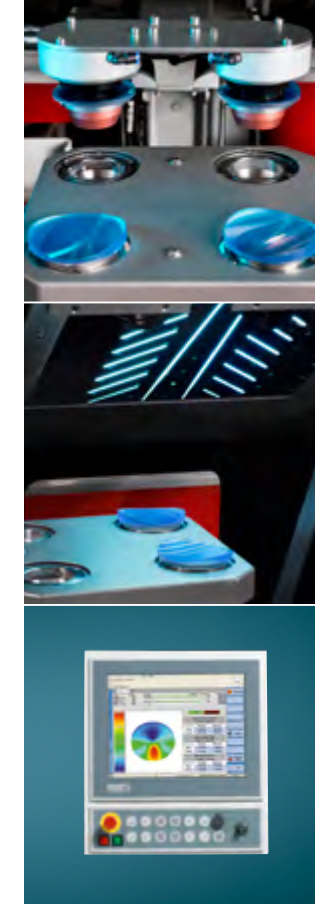
SCHNEIDER Optical Machines
 do Brasil Ltda.
 Avenida Eid Mansur, 621
 Parque São George
 CEP: 06708-070, Cotia - SP
 Brazil
 Phone/Fax: +55 (11) 4777-1717
 info-brasil@schneider-om.com

SCHNEIDER Optical Machines Ltd.
 Room 202, 2/F, APEC Plaza
 49 Hoi Yuen Road
 Kwun Tong, Hong Kong
 Phone: +852 3563-5238
 Fax: +852 3563-5240
 info-hk@schneider-om.com

SCHNEIDER Optical Machines
 (Shanghai) Co., Ltd.
 Room 202, 2nd Floor, Building 16
 481 Guiping Road
 200233 Shanghai - Xuhui District
 Phone: +86 (21) 61 48 00 61-120
 Fax: +86 (21) 61 48 00 65
 info-cn@schneider-om.com

SCHNEIDER Optical Machines
 Asia-Pacific Co., Ltd.
 Piya Place Lunguan Building
 29/1, Tower B, 9th Floor, Unit 9B
 Soi Lunguan Ploenchit Road
 Lumpini, Pathumwan
 Bangkok 10330, Thailand
 Phone: +66 (0) 2014-4690-2
 Fax: +66 (0) 2014-4693
 info-asia@schneider-om.com

For a complete list of SCHNEIDER agencies, please visit www.schneider-om.com



**Fully automated
 quality inspection**
*In-line measurement
 of blocked lenses.*

**Non-transmissive
 measurement**
*Direct measurement
 of the surfaced
 backside, based on
 one sole reflection.*

Quality gate
*On the fly go/no go
 evaluation of pro-
 duction jobs.*

