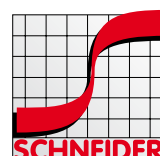
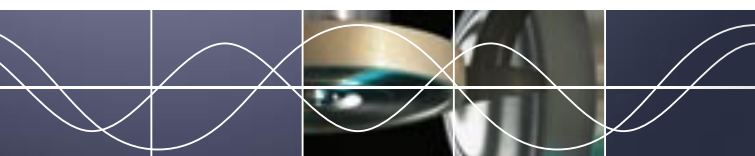




SLE 100

Precision centering solution for challenging lenses



Fascination for Innovation

The Schneider Centering Technology SCT allows for freely defining lens contours using geometrical modules.



The kinematics allows a step-less variation of phase angles.



The interchangeable spindles and their electronic identification enable an easy change between-different processing jobs.



SLE 100

The SLE 100 centering machine enables precision centering of lenses with the most challenging geometries and delicate materials. The use of interchangeable spindles assures highest centering accuracy and best surface quality. SLE 100 combines face and contour processing with standard tools.

With the CNC control system SINUMERIK 840 Digital, digital servo drives, pre-clamped precision guides and spindles with multiple bearings, the SLE 100 has all the means for consistent precision edging. Using interchangeable spindles enables efficient, precisely aligned external centering of the lenses. The spindle drive stays free of lateral forces completely eliminating a common centering error. The electronic spindle identification data are directly fed into the machine for flawless processing.

Setup, tool and lens change are done with ease using the graphical user dialog, intelligent tool correction routines, automated spindle clamping and hydro-expansion tool clamping. Infinitely variable feed rates and spindle speeds ensure optimal results.

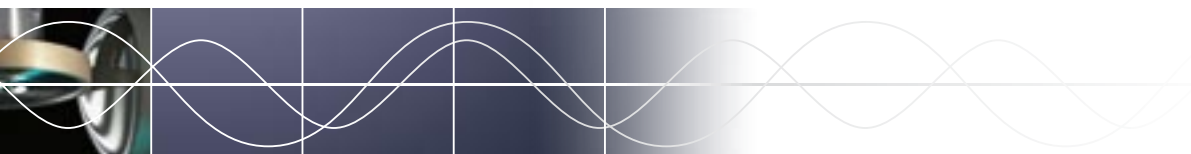
Benefits

- Centering of lenses with geometries not suitable for self-aligning
- Effective processing of large chamfers (typical front lens geometries)
- High centering accuracy
- Combined face and contour processing
- Automated spindle identification
- Computer-assisted setup
- Graphical user interface

technical data		
workpiece range	∅	1 - 100 mm
number of axes		3 (X, Z, W), (C)
feedrate, X-, Z-axes		0.01 - 5 000 mm/min
positioning / repositioning accuracy X-, Z-axes		+/- 0.001 mm
feedrate B-axis		0.01 - 4 300 °/min
positioning / repositioning accuracy B-axes		+/- 4"
measuring accuracy W-axis		+/- 0.001 min ⁻¹
tool spindle with attachment		25 x 42 HD
workpiece spindle, speed range		5 000 - 15 000
centering spindle type		interchangeable spindle
speed range, centering spindle		5 - 250 min ⁻¹
grinding wheels	∅ max.	100 mm
power supply	max.	5 kW
compressed air supply	min.	5 bar (75 psi)
weight		1 000 kg (2 205 lb.)
dimensions (w x h x d)		1 150 x 1 900 x 1 220 mm (46 x 75 x 48 inches)

SCHNEIDER GmbH & Co. KG
 Brueckenstrasse 21
 35239 Steffenberg
 Germany
 Phone: +49 (64 65) 91 44-0
 Fax: +49 (64 65) 91 44-1 00
 www.schneider-om.com
 info@schneider-om.com

SCHNEIDER Optical Machines Inc.
 5916 Stone Creek
 Bldg. 6, Suite 120
 The Colony, TX 75056
 Phone: +1 (972) 247-4000
 Fax: +1 (972) 247-4060
 info-us@schneider-om.com



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