



Award of
Innovation 2011



designed to be efficient

designed to be efficient »SML 500e«

With the SML 500e Seal Maker presents a revolutionary CNC machine system, which will re-define the limits of seal technology. Highest efficiency. Well-proven components. Best Austrian Quality. Available at a price level which gives an absolutely unique price-performance ratio in the seal market.

Highlights

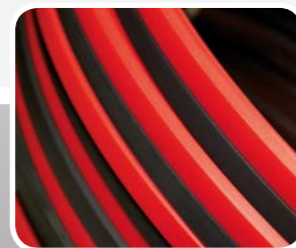
- high-performance CNC machine system for seals up to 520 mm (20,5") diameter
- user friendly SML System software, pre-installed on the PC which comes with the machine
- efficient 8-station disc turret for a rapid tool change and set up time
- complete set of cutting tools for seal production included
- exact documentation for maintenance, installation and operation
- color configurator, the SML 500e is also available in the colors you prefer
- chip suction and swarf cutter
- wide range of accessories + optional expansion packages



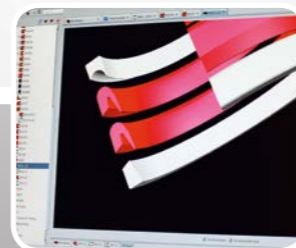
Semi-finished materials



SML machines



Seals



SML System Software

COMPLETE CNC SYSTEM »Material + Lathe Machine = Seal«

Available within a few minutes: Hydraulic and pneumatic seals, as well as various engineered plastic products made to order. Seal Maker CNC machines are perfectly fine-tuned systems which allow an efficient production, including raw materials, CNC lathe machines and appropriate software up to the seal as required.

More than 200 standardized profiles from the data base included in the SML System Software can be called up – even without specialist CNC knowledge – and adapted to specific customer requirements. With the SML machine systems, the availability of practically every seal is guaranteed within the shortest possible time span.



*For information about our Full-System-Package FSP, please contact us » office@seal-maker.com

TECHNICAL DATA

Control system:	FANUC 0iT**
Total power installed:	18 kVA
Power supply voltage:	3x400V +6%, -10%, 50Hz (optional: Transformer for other power supply voltage)
Control system voltage:	24V

Capacity

Maximal turning diameter over bed:	520 mm (20,5 inch)
Maximum billet length:	225 mm
Maximum billet weight:	60 kg
Diameter of standard 3-jaw chuck:	250 mm (max. 3.500 U/min)
Bar capacity:	50 mm (optional: 70 mm)

Head Stock

Spindle nose:	DIN 55026 and ISO 702/1, A2-5 (optional: A2-6)
Spindle bore:	53 mm (optional: 73 mm)
Main spindle motor power:	3,7 kW (S1), 5,5 kW (S2)
Spindle speed range:	30 – 5.000 U/min
Maximal spindle torque:	33 Nm

Carriage

X axis travel:	365 mm
Z axis travel:	300 mm
X axis fast traverse:	10 m/min
Z axis fast traverse:	20 m/min

Tool turret

No. of stations:	8
Turning tool shank:	16 x 20 mm (optional: with driven tools VDI 20)

Miscellaneous

Overall dimensions (LxBxH):	2.160 x 1.600 x 1.700 mm
Coolant tank capacity:	50 l
Machine weight:	1.800 kg

UPGRADE SML MACHINES

- OPTION PLUS (driven cutting tools)
- OPTION AUTOMATION - manual chuck
- OPTION AUTOMATION - Billet Loading System (BLS120)
- OTHER OPTIONS
 - Head stock A6
 - Bar feeder
 - Measuring sensor Renishaw

The SML500e has been designed for machining of plastic materials ONLY. The data stated here are based on the technical specifications of 05/2015.
** Numeric control in its current version as available through FANUC.

INT. HEADQUARTERS

Seal Maker Produktions- und Vertriebs GmbH
Viktor-Kaplan-Allee 7
7023 Pöttelsdorf
AUSTRIA

☎ +43 (0)2626 20085
☎ +43 (0)2626 20085 66
office@seal-maker.com

ASIA - PACIFIC

Seal Maker Asia Pacific Pte. Ltd.
#03-29 AMK Techlink Bldg.
Blk. 20, Ang Mo Kio Industrial Park 2A
Singapore 567761

☎ +65 64540568
☎ +65 65524730
singapore@seal-maker.com

AUSTRIA

Zentrale
Seal Maker Dichtungstechnik GmbH
Industriestraße Ost 7A
8605 Kapfenberg

☎ +43 (0)3862 33 5 33-0
☎ +43 (0)3862 33 5 33-3
austria@seal-maker.com

Niederlassung
Seal Maker Dichtungstechnik GmbH
Stahlstraße 2-4
4020 Linz

☎ +43 (0)732 6989 77177
☎ +43 (0)732 6980 77277
linz@seal-maker.com



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