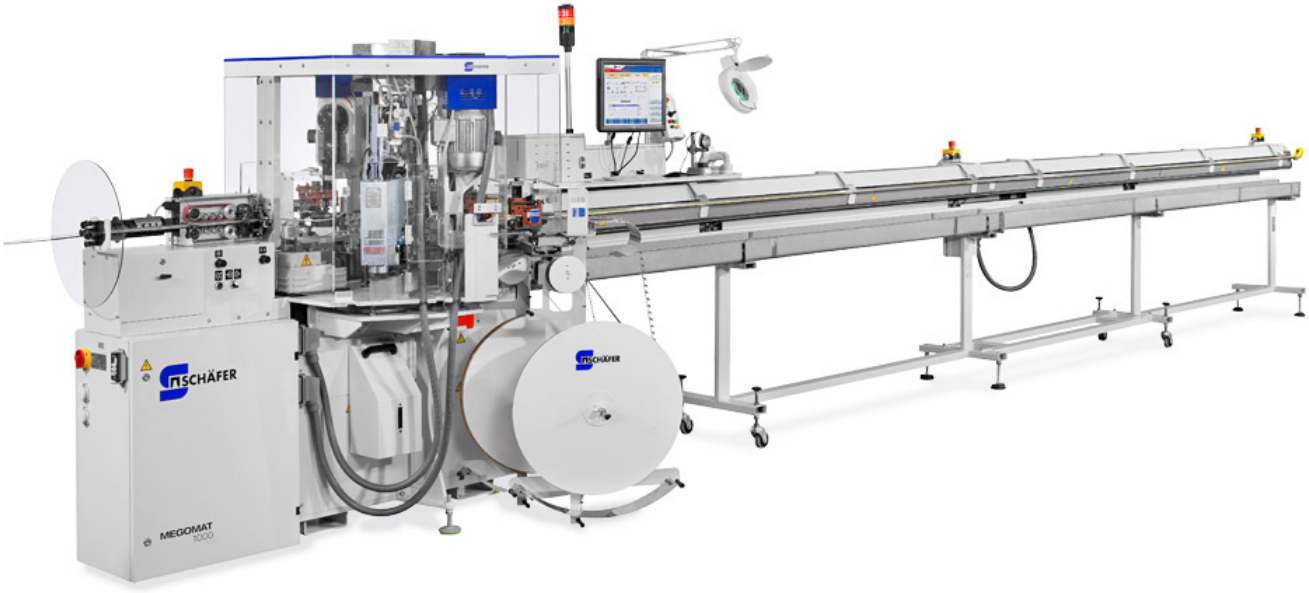
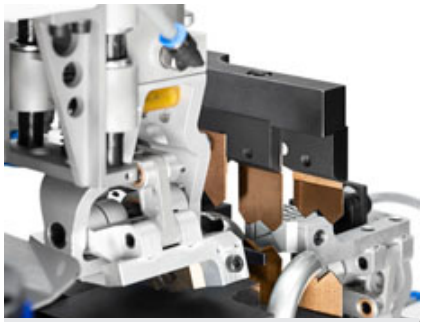
Fully automatic wire processing system

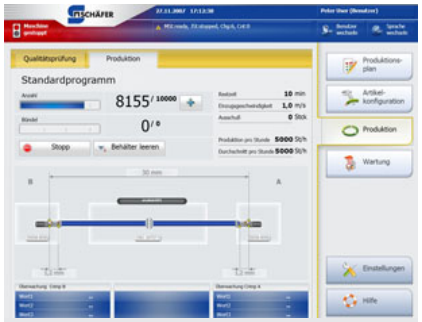
Megomat 1000



- Well arranged design for best overview
- Quick change over
- Low maintenance
- Compact and robust assembly
- Multiple applications
- Intuitive user interface


Adjustable wire guide system


Very short wire over hang



User interface

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Options

- Shuttle-System
- Presses EPS2020
- Seal Modul SSM
- Tinning Station FA-400-LF
- Wire stacking systems
- Printer PMG 313
- Wire revolver
- Crimp monitoring
- Crimp height adjustment
- Adjustable press tables
- Wire stacking module
- Carrier strip chopper
- Fluxing station
- Welding station
- Wire doubling module

Description

With the new Megomat 1000 a unique modular design for multiple applications has been developed. With the same base system simple crimping processes as well as demanding special applications can be realized.

The **machine concept** of the Megomat 1000 shows innovative novelties in all areas. For example, an unusually large range of wire cross sections can be processed. Also the special arrangements of the blades allow for very short wire over hangs. The Software controlled adjustable wire guide system eliminates the use of tubes at the gripper. A large, two side enabled swing radius of both gripper arms provide for utmost flexibility in realizing different applications. In addition, all of the drive systems have been placed in the machine base of the Megomat 1000 to achieve an obstruction free overview of the machine and its processes. Utilizing strong servo motors and optimized programming of the process axes provide for precise and fast motion sequences.

The **base** Megomat 1000 comprises

- Base frame including control cabinet and basic tables
- Cut/strip module with blade assembly and reject wire cut off
- Stacking gripper with moveable storage area
- PC with Windows XP and 17" touch screen display
- Networking and interfacing functions

Newly developed **optional modules** of the Megomat 1000 are the wire revolver for quick wire change over, the tooling shuttle system, the crimp height adjustment and crimp force monitors BB07s which are build into the control cabinet.

Customer specific modules such as plastic pod loading, loading of ferrites or double seals are available on machine version Megomat 1000c.

Range of Application

A fully automatic wire processing machine configured for high production volumes and quick change over as it is required by the **manufacturing of cable sets** for automobiles and consumer electronics.

Technical Data

Megomat 1000

Supplies	
Power Supply	3x (208-480V), 50/60Hz, 3,5kVA
Compressed Air	6 bar, dry and oil free
Drive	Servo motors
Processable Wire	
Type Of Wire	single conductor (1)
Cross Sections	0.08 mm² - 8 mm² (2)
Type Of Conductor	Copper, fine stranded wire
Material Of Insulation	Teflon, PVC, etc.
Wire Prefeeding	
Type Of Feeding	with belt drive
Speed	up to 10 m/s
Cut Length	
Minimum	30 mm (3)
Maximum	99 m (3)
Number Of Stations Side A	2 (1)
Number Of Stations Side B	2 (1)
Swivel Arm Angle	180° to both sides
Applicable Blades	Radius, V-Blades
Production Rate, Crimp-Crimp	> 5.000 pcs/h by 50 mm wire length (4)
Control	PC with Windows, Indel
Network Capability	Yes
Interface	RS232 Ethernet
Display	17" Display
Temperature Range	
Operation	15 °C - 40 °C
Storage	0 °C - 60 °C (rF < 80%)
Dimensions & Weight	
L x W x H	3350 x 1450 x 1900 mm (1)
Weight	1.100 kg (1)
Kind Of Packing	in a box on wooden pallet

(1) basic configuration
(2) depending on the processed material and configuration
(3) depending on the processed material
(4) depending on the processed wire and terminal

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