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Megomat 1000

Fully automatic machine for various applications

We offer automatic cable processing machines for a variety of applications.

The Megomat 1000 from Schäfer is impressive with innovative technology in all areas. Thus an unusually large gross section area on lines can be processed. A special arrangement of the blades enables extremely short cable projections.

A cable guide that can be adjusted via the software makes it possible to dispense with guide nozzles on the gripper. The large, swivel area of the gripper arms that can be used on both sides offers incredible flexibility for many applications.

Placement of all drive elements in the machine frame of the Megomat 1000 provides a clear layout and thus an optimal process view.

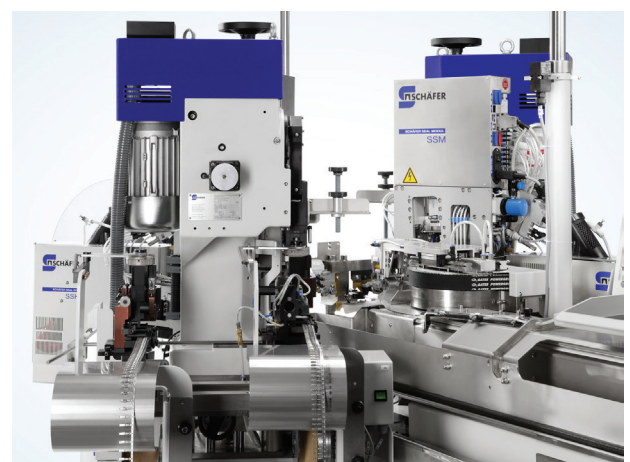
Powerful for high production rates

Precise and fast work is possible with use of powerful servo motors, as well as the modern programming type of the movement sequences.

Customized solutions

For special applications Schäfer offers customized solutions with the Megomat 1000.

For example, to apply wires with housings and ferrite cores. For these applications different modules can be installed. The implementation of additional individual software is possible.





Innovative Machine Software

The newly developed WireStar20 machine software offers an intuitive user interface and innovative network functionalities. Production orders can be created quickly and easily using realistic machine presentations. Clear and understandable management of the production data and sure guidance of the user through complex workflows occur via the user-friendly touch screen.

Software Feature MegoNet20

In the networked machinery, with MegoNet20 the central Wirestar20 database is used, in order to supply all machines with data together in accordance with the single source principle. With the connection of MegoNet20 to the company's own production planning system (PPS), order data in the WPCS standard is directly transferred to the WireStar20 or producing machines.

Accordingly data is also reported back to the PPS system. The modules for quality assurance integrated in the machine process are statistically evaluated within MegoNet20, and further utilized via database and interface functions.



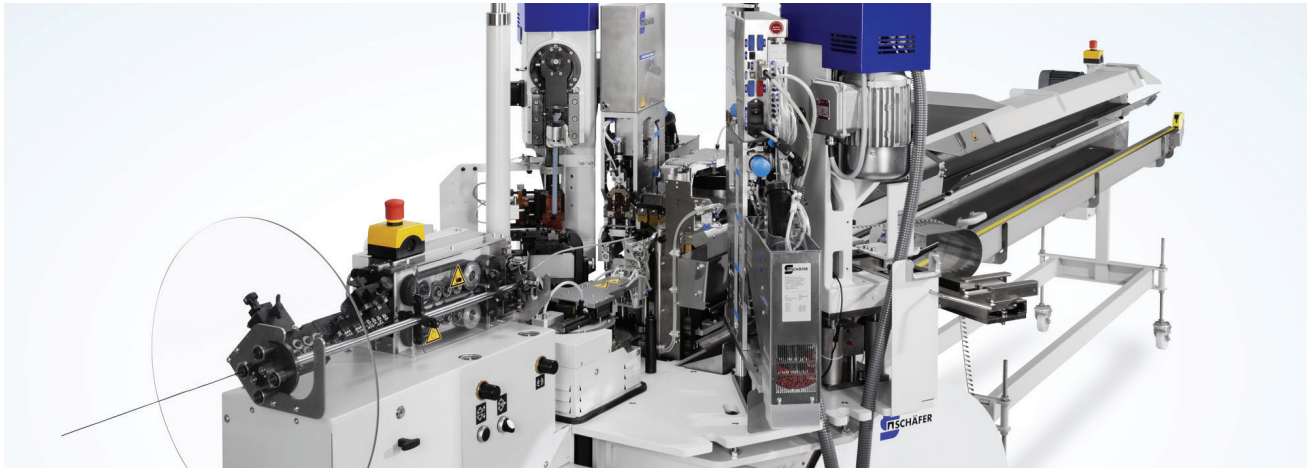
Flexible equipment and extensions

Base equipment

- Base frame including control cabinet and attachment tables
- Cutting head with blade set and reject part cutter
- Intermediate gripper with movable storage place
- PC, operator software and 17" touch screen display
- Machine software WireStar20 with order database
- Software feature MegoNet20 for network functions

Optional equipment

- Shuttle-System
- Seal Modul SSM
- Tinning Station FA-400-LA
- Active Cable Trays
- Printer PMG 313
- Crimp Quality Monitoring System
- Crimp Height Adjustment
- Cable Conveyors
- Terminal Strip Chopper
- Fluxing Station
- Welding Station
- Wire Doubling Unit



Technical Data

Processable wire

Type of wire	Single conductor
Cross sections	0.08 mm ² – 8 mm ²
Conductor	Copper, fine stranded wire
Material of insulation	Teflon, PVC, etc.

Cut length

Minimum	30 mm
Maximum	99 m

Wire prefeeding

Feeding	with belt drive
Speed	up to 10 m/s

Number of stations

Side A	2
Side B	2

Production rates

Crimp/Crimp by 50 mm wire length	over 5000 parts per hour
Seal/Seal by 50 mm wire length	over 3000 parts per hour

Supplies and interfaces

Power supply	3x (208-480V), 50/60Hz, 3,5kVA
Compressed air	6 bar, dry and oil free
Network capability	Yes
Interfaces	RS232 Ethernet

Temperature range

Operation	15 °C – 40 °C
Storage	0 °C – 60 °C (rF < 80%)

Dimensions & Weight

Length x Width x Height	3350 x 1450 x 1900 mm
Weight	1.100 kg