

OUR BUSINESS SECTORS:

- MEASURING AND AGEING MACHINES
- ASSEMBLY AND MACHINING EQUIPMENT
- SUBCONTRACTING
- AUTOMATION UNITS

Machine de garnissage

FILLING MACHINE: ASSEMBLY OF WATCH COMPONENTS



Watch video of the
product on the Internet



Machine de garnissage

Filling machine

Equipment

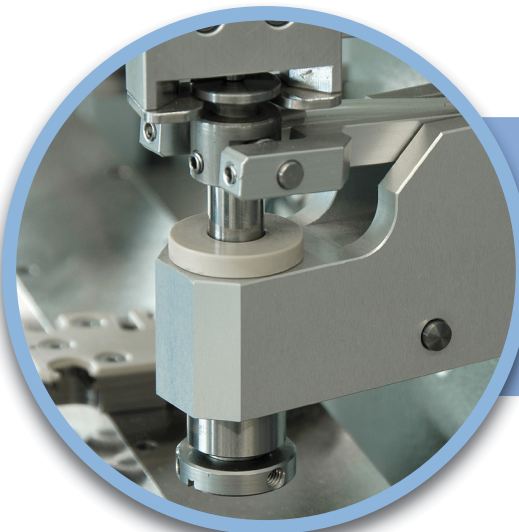
This equipment enables to assemble watch elements by driving technique. It is made up of four transport arms and a press controlled in force and position. The arms bring different kinds of components under the press. The X-Y Table positions the place to be filled under the press.

Flexibility

With feeding systems by bowl feeders, UniFeed, palettes and tubes, this equipment can assemble up to 12 components at the same time. It is composed of 4 handling arms and a press driven in position and force, and it can be used on a semiautomatic, automatic post or integrated into an assembly line.

Available options

- According to the application and integration of the machine, different options are available:
 - automatic feeding of plates
 - feeding of filling elements (UniFeed, vibrating bowl, palette, tube)
 - repositioning by vision
 - check of the aspect after assembly
 - tools loader



Very high pace

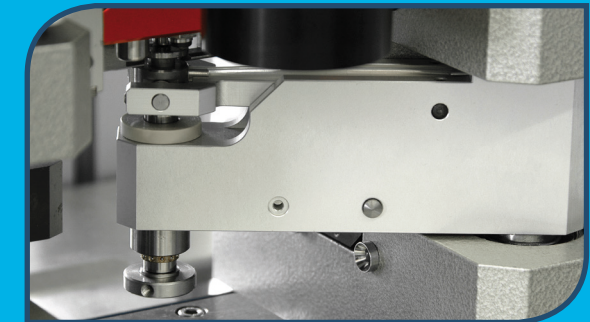
Multiple feeding of filling elements allows to maximize production by reducing time between driving operations to the maximum.

Optical ruler

- In order to ensure positioning, X, Y and Z-axes are controlled by linear optical scales.

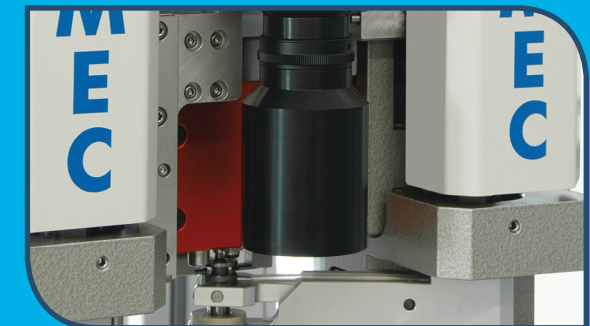
Precision

Its axis rigidity is the main feature of this machine. The press is built and integrated in a cast iron structure in arch shape, which is set on a granite work surface. The positioning X-Y table is prestressed from several kg in Z-axis before each driving operation.



Check & positioning*

This machine can be equipped with a vision system which allows check and repositioning of the driving positions. It is also possible to check the aspect after assembly.



Modularity

- This machine is totally modular. It is possible to configure it according to the clients' needs.

Technical data

Driving precision	± 5 µm
Driving stroke	12 mm
Maximum driving force	200 N
Positioning precision	± 2 µm
Work area	40 x 40 mm
Connection	230 V - 160 W
Dimensions (l x d x h)	1'300 x 720 x 1'500 mm
Weight	240 kg

* The check & positioning option is only available with the vision option.