

FELSS Semi-Automatic Precision Rotary Swaging Machine with Pneumatic Feed Unit



Application:

Swaging of spectacle frame parts in sample and low volume production

Mode of operation:

All movements of the machine are driven pneumatically, with fine adjustment and controlled by a limit switch. The workpieces are loaded into the feed unit by a manual linear transport device. By pushing a button, a semi-automatic working cycle with fast feed and operation speed is initiated. Forward as well as reverse speed can be adjusted continuously. Arriving again at the starting position, the workpiece is released by opening of the clamping jaws.

The machine is equipped with the reliable **FELSS** Precision Rotary Swaging Unit HE 2.1. Thus, this flexible **FELSS** Semi-Automatic Machine allows a very economic use, including all technical advantages of the precision rotary swaging process. Alternatively, the machine can also be equipped with Rotary Swaging Unit HE 16.

Advantages:

- Good dimensional accuracy
- Excellent surface finish
- Favourable grain structure
- Work hardening
- Considerable material / weight savings
- Optimal proportion costs / benefit

Working range*:

Wire: Ø 0.4 - 4.0 mm

* depending on kind of material, percentage area reduction etc.

Max. total stroke of the feed unit:
200 mm

Machine:

Model: HA 2-1 DHP

Space required (L x W x H)
approx. 1,450 x 500 x 1,350 mm

Weight: approx. 380 kg

Required power: 0.65 kW

Compressed air: 4 - 8 bar