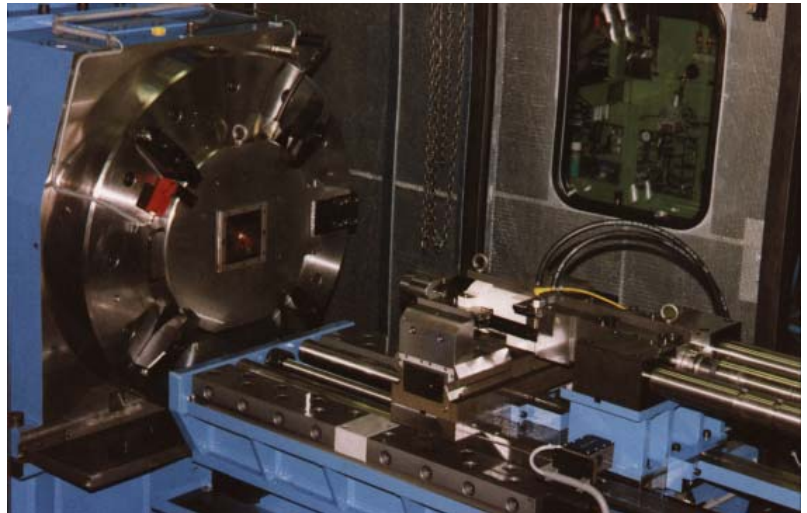


Components produced by Precision Rotary Swaging:

Various Rods for Steering Linkages



92 01752/M

Workpiece:

Blank:

Solid rod: up to 70 mm

Tubing: up to 120 mm
(depending on the material and required degree of deformation)

Length: from 120 to 3100 mm

Manufacturing requirement:

Reducing workpiece ends on one side or on both sides in two passes by feed swaging.

For manufacturing an internal thread in tubular workpieces, the inside diameter is sized over a mandrel.

Operation sequence:

1. Place workpiece into the clamping unit of the feeding device
2. Close door of sound enclosure
3. Automatic work cycle: Clamping the workpiece / feed swaging/ return and release of the workpiece
4. After opening the cabin door the workpiece can be removed.

Advantages:

- Good dimensional accuracy
- Excellent surface finish
- No chips produced / no chip removal
- Favourable grain structure
- Hush mode - extra low noise level when running idle
- Work hardening of material
- Machine can be used for a variety of workpieces
- Designed for fast changeovers

2 Working programs:

- 1) The exact length of the section of the workpiece that is not reduced in diameter is controlled by a fixed stop.
- 2) The exact length of the reduced section is fixed by a stop in the rotary swaging head.

Machine:

Model: HA 120-1 VH

Required floor space excl./incl. sound enclosure: (L x W x H)
approx. 6200 x 1500 x 3200 mm
or 6700 x 2500 x 3500 mm

Weight: approx. 15,000 kg

Required power: approx. 55 kW
(Rotary Swaging Head 30 kW)