

## ROTAK SR80 - Chipless cutting and trimming of curved tubes and pipes

The ROTAK is used to chipless cut surplus lengths at curved tubes. During this process the tube ends can be chamfered or the inner diameter be formed.

The curved tube is placed into the base part of a clamping device – either manually or by a robot. The clamping device closes automatically before cutting and moves with the tube into the machine. Then the cutting process takes place.

Thus e. g. tubes or pipes out of high grade steel or copper alloys with a maximum outer diameter of 102 mm and a wall thickness of up to 2,5 mm can be processed.

Due to pressing during the cutting process the tubes are at the same time levelled at the cut.

After cutting the 1st tube end, the clamping device turns and the 2nd tube end is cut.

### Advantages:

- Up to five times faster than sawing
- Several working steps at one time (cutting, forming and/or grooving)
- Reduction accuracy less than 0,06 mm
- Easy operation
- Adjusted tube positioning

### Technical features:

Tube diameters: 6 to 80 mm (in special cases up to max. 102 mm)

Tube wall thicknesses: max. 3 mm

Tube part length: min. 8 mm, longer parts as per specification

Tube material: steel, high grade steel, non ferrous metals





ROTAK with curved tube placed into the base part of the clamping device



Cut curved tube out of high-grade steel



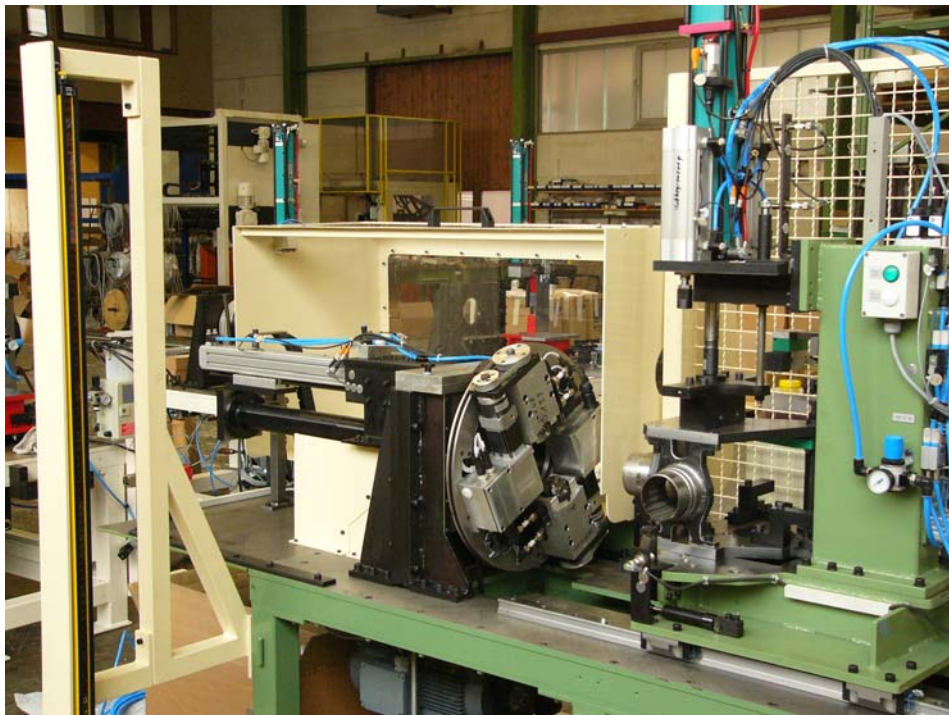
Cut curved tubes out of high-grade steel, and Al-alloys



Cut curved tubes out of Al-alloys with chipless forming tube reduction (done at the same time !)



Chipless cut curved tube out of high-grade steel, Ø 102 mm, wall thickness 2 mm



ROTAK as a special solution to trim curved tubes up to Ø 102 mm