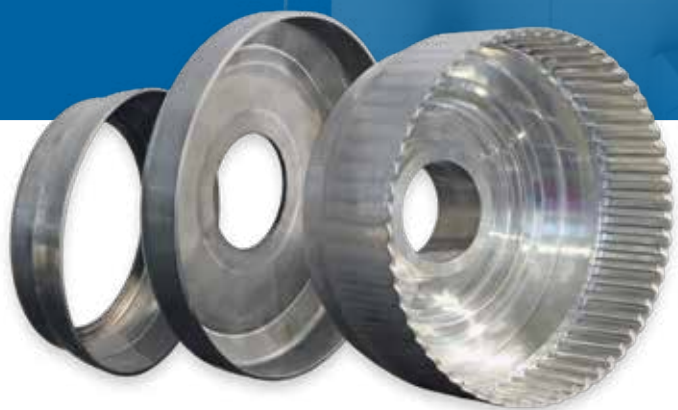




SPINNING MACHINE

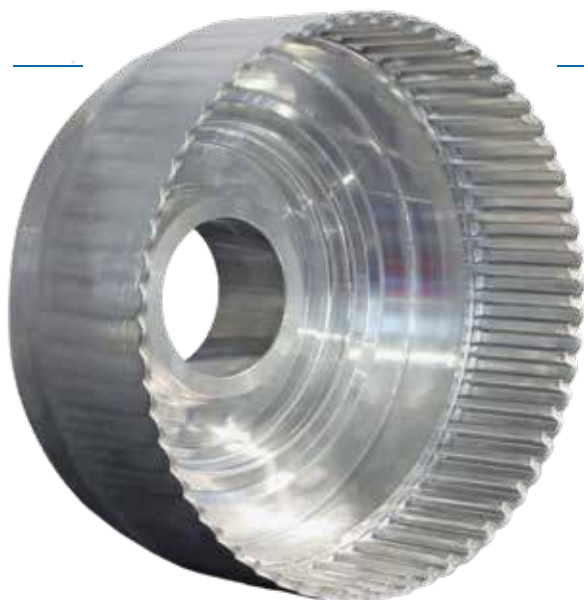


SCAN ME

ERNST GROB AG
COLD FORMING MACHINES
SPECIAL PURPOSE MACHINES
SLOTING MACHINES

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Hollow aluminium component with internal splines

Controls

Fanuc or Siemens

Workpiece diameters finished component

Ø 50 – 250*

Workpiece length (mm)

180 max.*

R3 Spinning Machine

Technology

In the GROB spinning process, discs are formed into cup-shaped blanks, whereby a spinning mandrel forms the internal geometry of the workpiece. The spinning rollers infeed locally from the outside and form the blank onto the spinning mandrel.

Typical applications

The GROB spinning machine is a dedicated concept for the production of precision, light-gauge and rotationally symmetric hollow workpieces with constant or variable wall thicknesses.

This machine has been designed specifically to generate preforms for the GROB T12 series cold forming machine and the i9 internal cold forming machine from round or disc-shaped blanks.

Also possible is a diversity of stand-alone applications for the production of classic spun parts.

Benefits

Highly-dynamic machine axes and a sophisticated loading system generate extremely short cycle times.

Changeover times of just a few minutes provide our customers with flexible planning potentials and just-in-time production.

The R3 machine concept can be readily expanded into a fully automated production line when linked with other GROB machines for the downstream processing of spun workpieces into splined components (T12 cold forming machine, i9 internal cold forming machine) or slotted components (S8 slotting machine).

*These specifications are workpiece dependent and may vary.

R3 Spinning Machine

- ▶ Extremely short cycle times
- ▶ Matches the GROB machine range
- ▶ Universal usage, minimal changeover times
- ▶ Ease of service and maintenance