



#### Magazine feed for an automatic lathe

- 1 Magazine for cylindrical workpieces
- 2 Workpiece (blank)
- 3 Pneumatic cylinder
- 4 Four-link mechanism (double rocker)
- 5 Outlet chute
- 6 Finished workpiece
- 7 Pneumatic cylinders for feed function
- 8 Collet chuck
- 9 Tool slide
- 10 Feed device
- 11 Removal device
- 12 Articulated joint
- 13 Angle lever

The illustration shows a solution for the feed and removal of round parts on an automatic lathe. A v-shaped height adjustable carrier accepts a blank workpiece from the magazine and lifts this to the centre of the chuck axis. In this position, it is pushed into the chuck by a ram (not shown). After machining, the finished workpiece falls into a tray which then tips towards an outlet chute. The entire device is mounted on a base plate and can be attached to prepared areas on machine tools. During machining, the workpiece-carrying components must be swivelled into a parking position out of the way of machining chips.

#### Suitable components:

- Standard cylinder ESN...
- Standard cylinder DNG...or DNC...
- Proximity switch SM...
- Pneumatic cylinder
- Clevis foot mounting LBG...
- Rod eye SGS...
- One-way flow control valve GR...
- Trunnion support LNZ...
- Mounting accessories
- Fittings