



#### 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