

YOUR PARTNER WORLDWIDE



SPM-801-N

Stationary precision turning machines, CNC-controlled

**The optimum solution for complete machining of valves, for
general overhaul and also for use in production**

The machines of the SPM range have precision inclination tables ($\pm 12^\circ$, accuracy $\pm 10''$) and have been optimised for more efficient machining of valves. Due to the flexible design, they can also be used for other machining tasks.



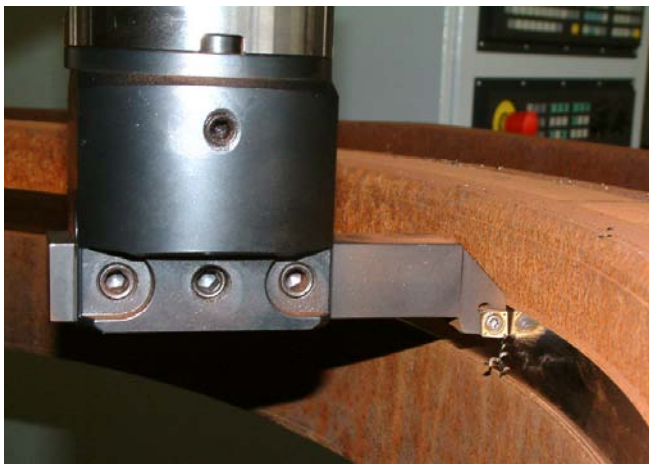
Tomorrow's technology for today's valve problems

The SPM machines as turning machines

Face turning is made possible by the main movement and the X-axis feed of the turret.



Face turning of flanges



Cylinder turning is obtained by the main movement and the vertical movement of the headstock (Z axis).

The angles for the machining of sealing faces in gate valves are adjusted by means of the swivel table (Q-axis).

A particular advantage for the machining of valve sealing faces is the clamping.

It is possible to machine both sealing faces with **only one clamping** by adjusting the angle at the swivel table.

The symmetry of both sealing faces is thus ensured.

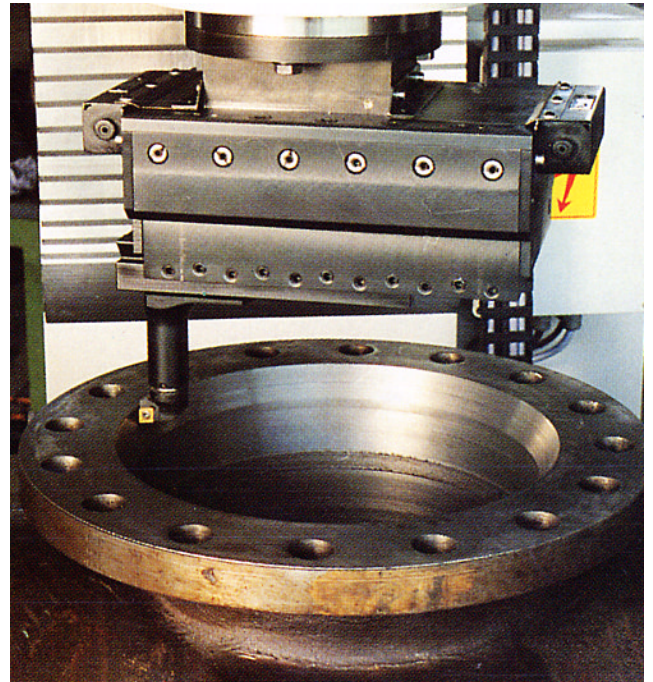


Face turning of sealing faces in valves and gate valves.

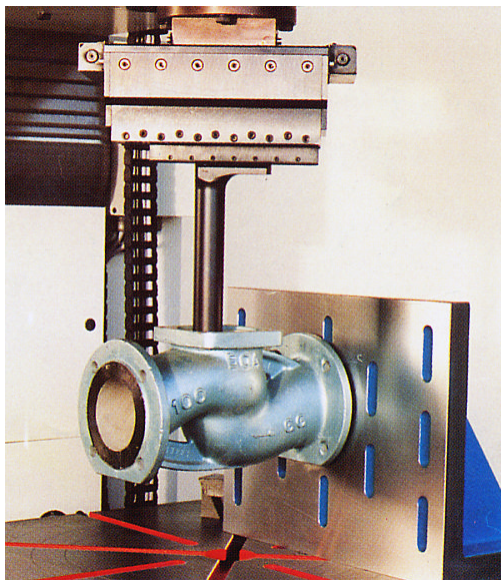
Conical turning

In addition to the most common operations, such as face turning and cylindrical turning, conical faces, too, can be machined using the EFCO boring head.

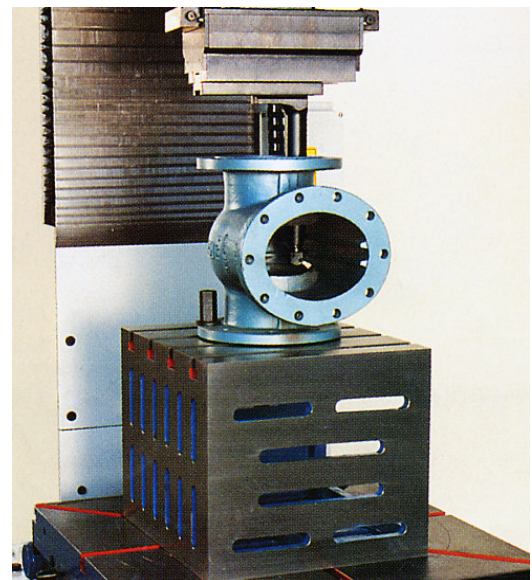
During conical turning, the machining angle is determined by the two feed dimensions - X axis (boring head) and Z axis (headstock). As the X axis and Z axis feeds are adjustable, all angles from 1 to 90° are covered.



Tool holders in various lengths make it possible to use turning tools and indexable inserts.

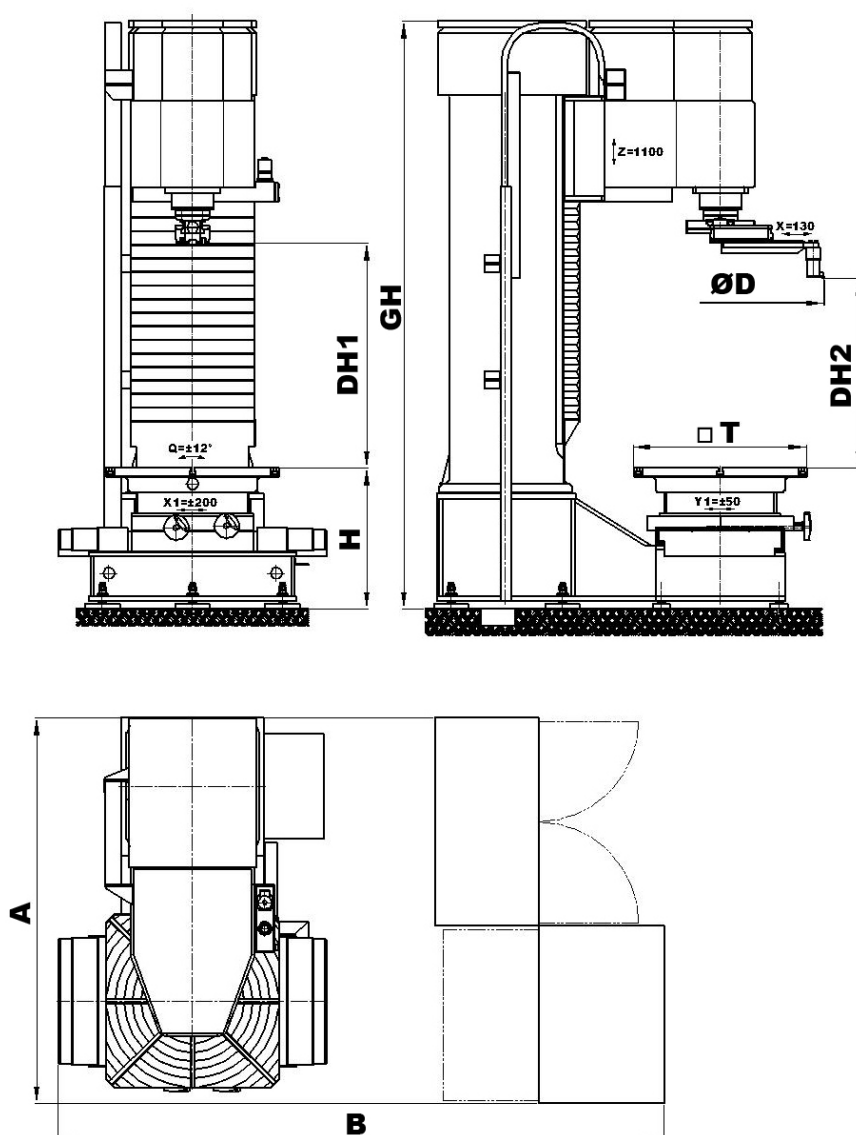


Internal turning of a valve, clamped on a **clamping angle**.



Internal turning of a valve, clamped on a **clamping cube**.

Specification	SPM-801-N
GH	3400 mm (136")
H	820 mm (33")
T x T	1000 x 1000 mm (39.4"x39.4")
DH1	1300 mm (52")
DH2	1100 mm (44")
D	1000 mm (40")
A x B	3250 x 3500 mm (130"x140")
Weight	ca. 8000 kg



Subject to technical change.

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