

# SM Series

**Stationary grinding and lapping machines for machining sealing faces in gate valves, valves, safety valves, non-return valves, wedges, etc.**

The machinery in the SM series is impressive because of its modular design, which allows customer requirements to be adapted in the best possible way.

Main components:

- Robust pedestal with machine table
- Swivelling column with clamping facility
- Spindle head with motorised height adjustment
- Swivelling control panel

Two machine tables are available for the SM-450:

The **tilt table** for machining gate valves, gate valve wedges etc.

The **eccentrically adjustable turntable** for machining safety valves.



SM-750



SM-450



The machine spindle of the SM-750 is equipped with an **adjustable eccentric**, which allows safety valves to be machined.

Eccentric and grinding movements are actuated separately.

The machine table is designed as a tilt table.

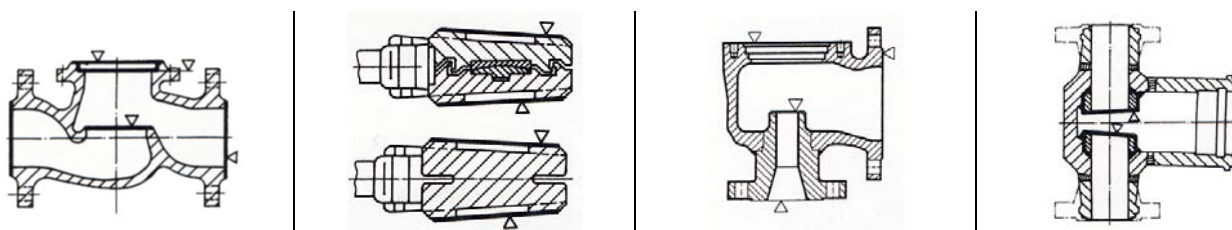
## Technical Data

	SM-450	SM-750
<b>Working range</b> max. overall height of valves max. flange Ø of valves	560 mm (22") 500 mm (20")	1000 mm (40") 950 mm (38")
<b>Spindle</b> Speed Torque	max. 260 rpm 20 Nm	max. 255 rpm 98 Nm
<b>Spindle eccentric *</b> Speed Torque Eccentric adjustment		max. 237 rpm 177 Nm 0 – 20 mm
<b>Spindle head</b> Stroke Stroke speed		675 mm (26.6") 1000 mm/min (39.4"/min)
<b>Tilt table</b> Size Tilt angle Load	450x450 mm (17.7"x17.7") ± 12° max. 2000N	750x750 mm (29.5"x29.5") ± 12° max. 25000N
<b>Turntable</b> Size Eccentric adjustment Speed Torque Load	Ø 450mm (17.7") 0 – 20mm (0.79") max. 24 rpm 33 Nm max. 2000 N	
<b>Electrical connection</b> Power consumption Voltage Frequency	max. 0.6 kW 230 V 50 / 60 Hz	
<b>Dimensions **</b> (L x W x H)	900 x 700 x 1600 mm 36" x 28" x 64"	1200 x 900 x 2650 mm 48" x 36" x 106"
<b>Weight **</b>	approx. 270 kg	approx. 1100 kg

\* The SM-750 is also available without a spindle eccentric

\*\* Data for machine with 1 machine table. The machines in the SM series are also available with 2 machine tables

### Machining options on valves



Subject to technical change.

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