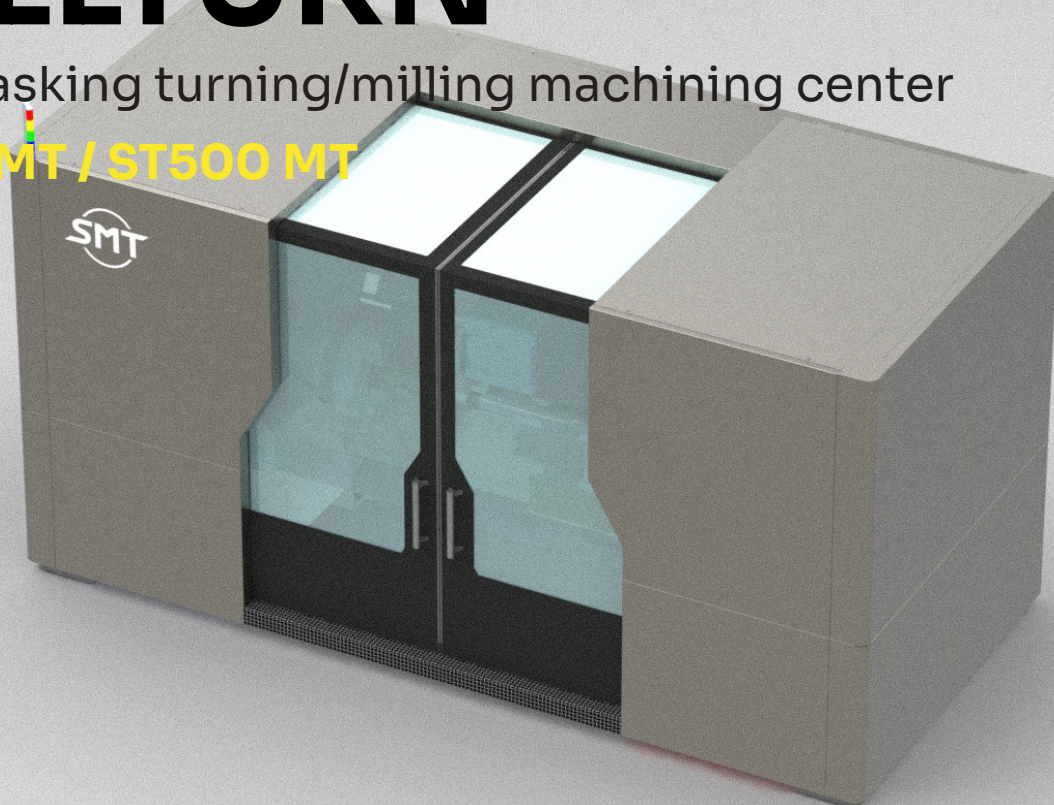




MILLTURN

Multi-tasking turning/milling machining center

ST300 MT / ST500 MT



MILLTURN

MULTITASKING

GENERAL INFO

MACHINING POSSIBILITIES

- O.D. turning, threading, grooving
- I.D. turning, threading, grooving
- Angular drilling
- Five-axis milling
- Angular milling
- Gear hobbing and tooth milling
- Face milling, grooving
- Boring
- Drilling
- Cam + crank shaft milling
- In-process measuring
- Slotting

Up to 4,5 more effective production

Our well-proven and stable machine system ST300 & ST500 is possible to equip with milling spindle & full 5-axis simultaneous machining capacity.

Our multitasking millturn center combine the features of turning and milling machines in a single universal machine which has capability to machine complex parts using more technologies (turning, threading, recessing, drilling, boring, milling, cam milling, gear hobbing, grinding and measuring).

An 18kW milling spindle, with integrated motor spindle, is operated by a tool magazine located on top of the spindle

dock to minimize tool change time and space requirements. Sub-spindle with 33kW, with chuck equipment according to the customer's needs.

With a capacity to machine workpieces up of Ø760 x 3800 mm together with the extra C-axis operation, front tool turret for high precision machining of surfaces the heavy duty MillTurn-center can complete the most complex parts in one pace.

As standard the machine is equipped with Fagor, but are as option available with Siemens Sinumerik One.



**A MACHINE PROGRAM
SPECIALLY DEVELOPED
FOR**

Hydraulic components

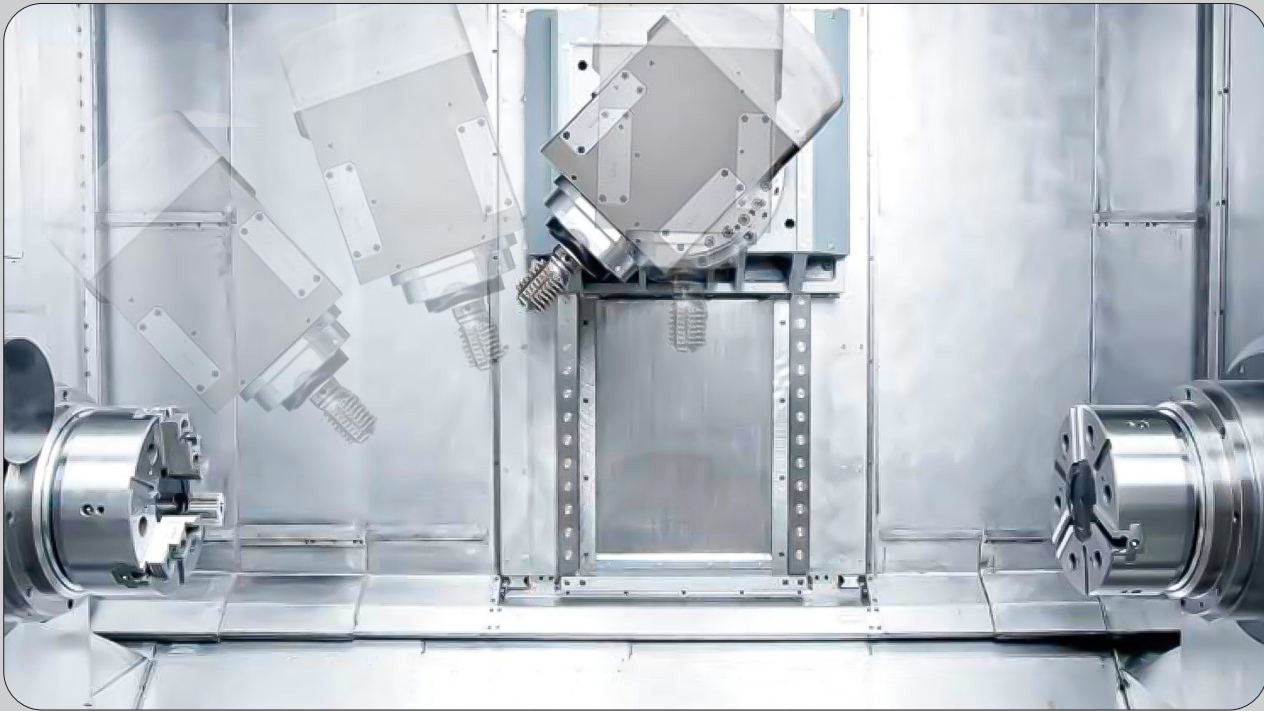
Heavy duty cutting

Bearing industry

Automotive

Oil industry

Hard turning



MILLING SPINDLE

MILLTURN

MULTITASKING

MACHINE PROGRAM

TECHNICAL DATA FOR STANDARD MODELS.

Model	ST300 MT	ST300 MTS	ST500 MT	ST500 MT 2.5	ST500 MT 3.8
Technical Data					
Swing diam over bed	400	400	700	700	700
Turning diameter	310	310	500	500	500
Turning Length	1200	1200	1500	2500	3800
Axis movements X / Y / Z i mm	360 / 1350 / 100	360 / 1350 / 100	340 / 1525 / 180	340 / 2525 / 180	340 / 3900 / 180
Feedrate X / Y / Z i m/min	30 / 30 / 15	30 / 30 / 15	30 / 30 / 15	30 / 30 / 15	30 / 30 / 15
SPINDLE	DIN55026-A8	DIN55026-A8	DIN55026-A11	DIN55026-A11	DIN55026-A11
Spindle Ø in front bearing/spindle bore Ø	120 / 85mm	120 / 85mm	170 / 110mm	170 / 110mm	170 / 110mm
Spindle rpm	4500v/min	4500v/min	1500 - 3000v/min	1500 - 3000v/min	1500 - 3000v/min
Power main spindle	30/39 kW	30/39 kW	40/55 kW	40/55 kW	40/55 kW
C-axis	0.01°	0.01°	0.01°	0.001°	0.001°
Chuck size	250	250	500	500	500
MILLING UNIT - REAR	Standard	Standard	Standard	Standard	Standard
Power milling spindle	18kW	18kW	18kW	18kW	18kW
Spindle rpm - milling	7500	7500	7500	7500	7500
Tool interface	HSK 63	HSK 63	HSK 63	HSK 63	HSK 63
Tool Magazine	40	40	40	40	40
B-axis	+/- 110	+/- 110	+/- 110	+/- 110	+/- 110
FRONT TOOL TURRET	Option	Option	Option	Option	Option
Positions	12 x BMT 45	12 x BMT 45	12 x BMT 55	12 x BMT 55	12 x BMT 55
Spindle rpm power tools	6000	6000	6000	6000	6000
Power of tools	8 kW	8 kW	15 kW	15 kW	15 kW
TAILSTOCK - VERSION "MT"	X		X	X	X
Tail size, Morse	MK5		MK5	MK5	MK5
Quill movement	Hydraulic		Hydraulic	Hydraulic	Hydraulic
Quill movement	150mm		150mm	150mm	150mm
SUBSPINDLE - VERSION "MTS"		X	X	X	X
Power subspindle		20/26 kW	30/39 kW	30/39 kW	30/39 kW
Spindle rpm		4000	3000	3000	3000
Chuck size subspindle		250	500	500	500
Machine size cm	220 x 400	220 x 400	245 x 450	245 x 600	245 x 700
Machine Weight	6 000 kg	6 500 kg	8 000 kg	9 000 kg	9 500 kg

TECHNICAL DATA