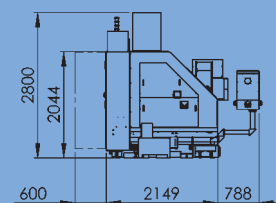
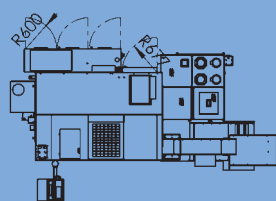
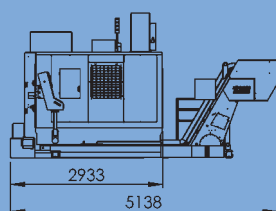


Technical data

1. GENERAL

STATION 1	X1-AXIS	Y1-AXIS	Z1-AXIS	C1-AXIS
Travels	200 mm	100 mm	350 mm	360°
Power	2 Kw	3 Kw	2 Kw	15 Kw
Push force	260 daN	330 daN	400 daN	82 Nm
Speed	15 m/min	15 m/min	15 m/min	108000°/min.
Resolution	0,001 mm	0,001 mm	0,001 mm	0,001°

STATION 2	X2-AXIS	Y2-AXIS	Z2-AXIS	C2-AXIS
Travels	400 mm	100 mm	350 mm	360°
Power	2 Kw	3 Kw	2 Kw	9,7 Kw
Push force	300 daN	330 daN	400 daN	17 Nm
Speed	15 m/min	15 m/min	15 m/min	108 000°/min
Resolution	0,001 mm	0,001 mm	0,001 mm	0,001°



** We reserve the right to modify certain specifications of this catalogue without any notice in order to improve these datas. They are not contractual.

2. SPINDLES

	42 MM	65 MM
Main spindle motor power	9 Kw	15 Kw
Retaking spindle motor power	5 Kw	9,7 Kw
Spindle speed with collet	6000 t/min	5000 t/min
Spindle speed with chuck	5000 t/min	5000 t/min
(Main) spindle nose	DIN 55026 (A1-5)	DIN 55026 (A1-6)
(Retaking) spindle nose	F48	F48
Chuck diam. for main spindle (option)	160 mm	200 mm

3. REVOLVER

Number of tools	12 (VDI30) ou 16 tools (VDI25)
Indexation speed station per station	0,60 seconds
Maxi. section of turning tools	16 x 16 mm
Maxi. threading diameter	M16

4. PERIPHERIES

Cutting oil tank capacity	600 l
Coolant oil tank capacity	480 l
Pressure and flow coolant	12 bars / 80 l/min

5. ALIMENTATION / MISCELLANEOUS

Installed power	55 A 40Kw
Service tension	400 V 50/60 HZ
Pneumatic alimentation	6 bars (Dried air)
Machine weight	5800 kg



CH-1625 Sâles

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BUMOTEC S-189 CNC

Turning-milling centre



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Rigidity

- Machine base cast iron
- Prismatic slideways
- Slides made of hardened and ground steel

Ergonomics

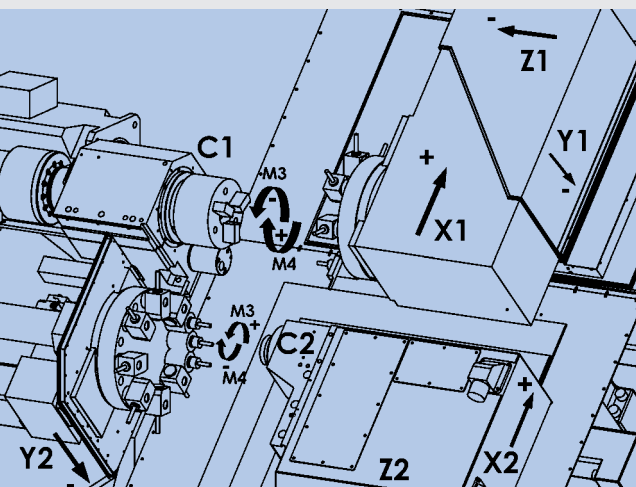
- Inclined frame at 45° for maximal accessibility for operator use
- Optimized working area enabling good swarf evacuation

Main spindle

Spindle driven by 15 kw motor enabling 6000 RPM's in either direction

Part quality

- Machining of simple to complex components due to 8 axes
- Digital control feedback enabling excellent surface finish and positioning

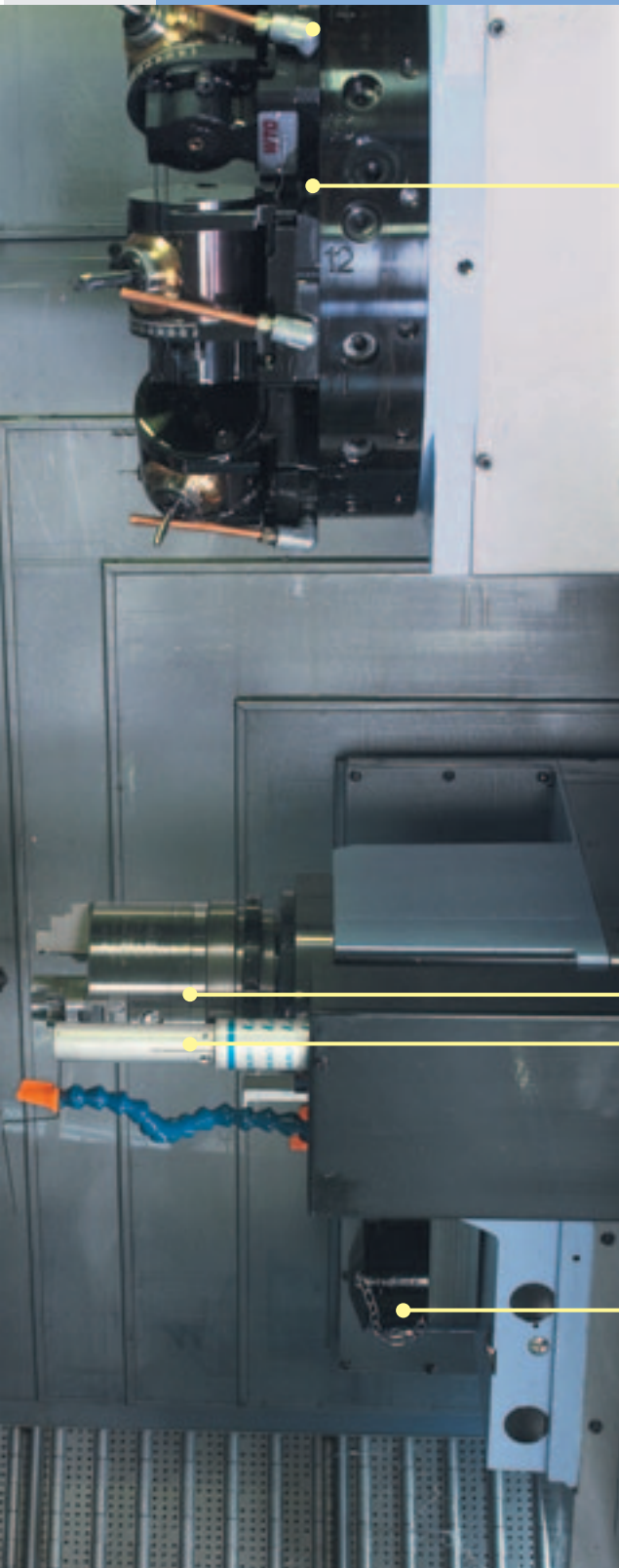


Axis travels:

X1 = 200 mm
Y1 = 100 mm
Z1 = 350 mm
C1 = 360°

X2 = 400 mm
Y2 = 100 mm
Z2 = 350 mm
C2 = 360°





Turret

- 2 turrets of 12 positions (VDI 30) or 16 (VDI 25)
- Each station can be equipped with driven tooling

Reliability

Association of the latest electrical developments and of proven mechanics which insures a high reliability

Counter spindle

Spindle driven by 9,7 kw motor enabling 6000 RPM's in either direction

Part evacuation control

Automatical part evacuation control at the cycle end

Renishaw feeler

Tool pre-setting device type RENISHAW, mechanical sensing of tool offset with automatic inseration into the CNC control unit

Precision

- Optical ruler on all linear axes
- High precision encoder on rotary axes

Flexibility

Turning-milling centre capacity up to bar-passage 65 mm