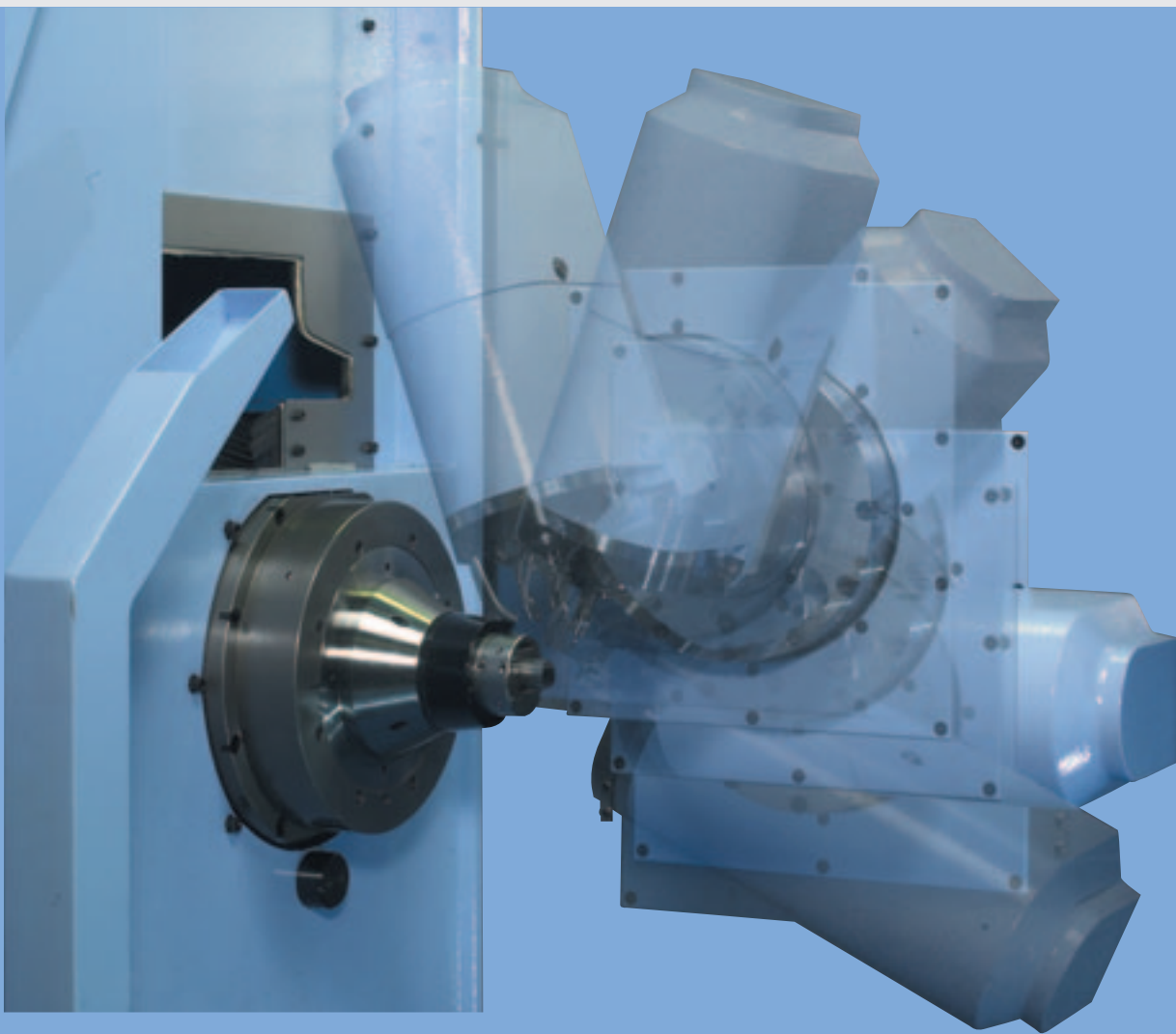
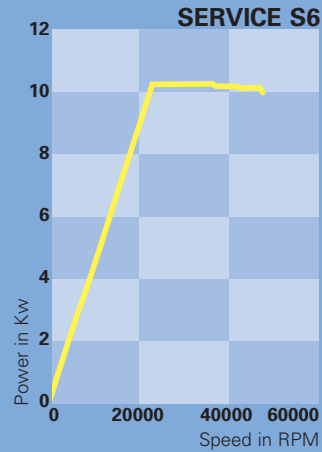
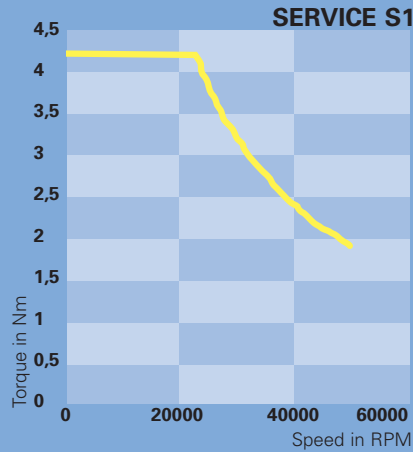


# BUMOTEC S-192 F

Horizontal machining centre, 5 axis



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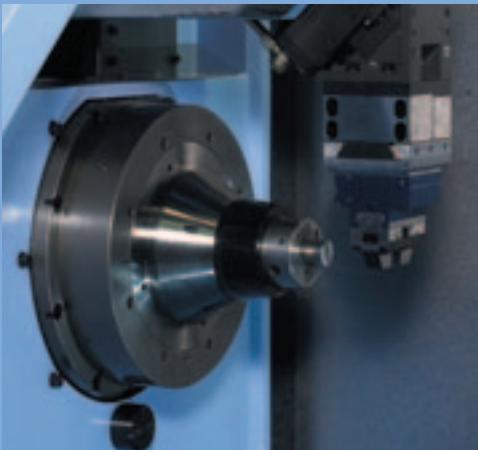
## Electrospindle

– installed on A-axis (rotary) – speed: 30 000 min<sup>-1</sup> – tool-holder ISO 25 or HSK 40

## Reliability

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

## Retaking unit



Unit used for the machining on the cutting face (W-axis) controlled by an axis

## Flexibility

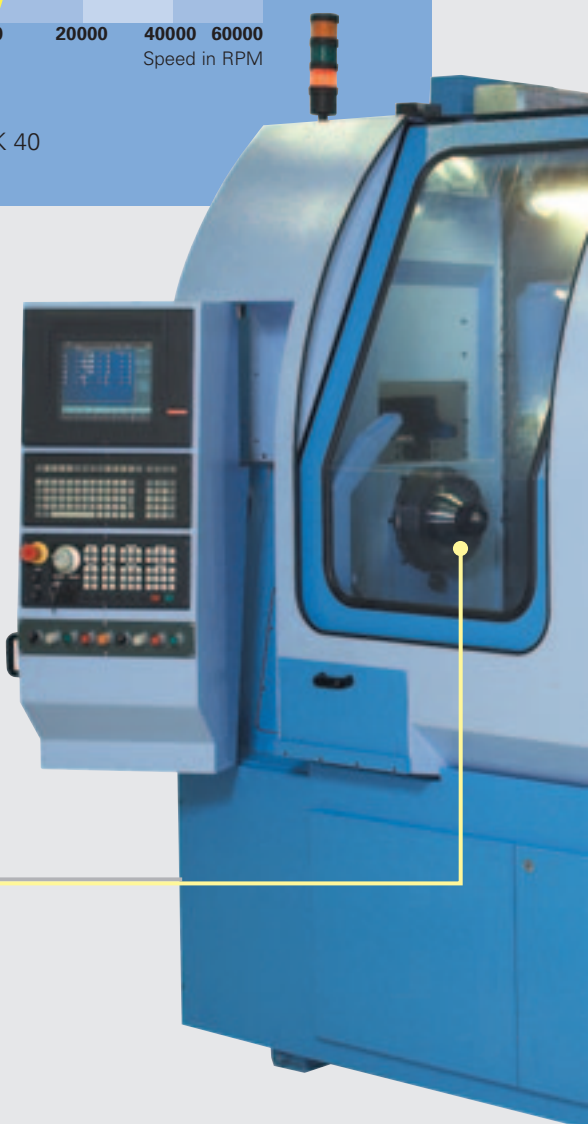
Different clamping accessories

## Precision

Linear and rotating reading system which allows an optimization of the measurement as close as possible to the working point of the tool

## Ergonomics

- Fully enclosed, large machining area; optimization of swarf collection
- Integrated swarf evacuation
- Maximal accessibility
- «0» concept, cable in the machining area



## Surface quality

- Machining of complex parts due to 5 axes
- Excellent surface finishing
- Speed and precision combination

## Speed and precision

- A and C rotating axes with «direct drive» technology
- High mechanical rigidity
- Rapidity of the movements without wear
- Temperature stability of the machine and cutting oil

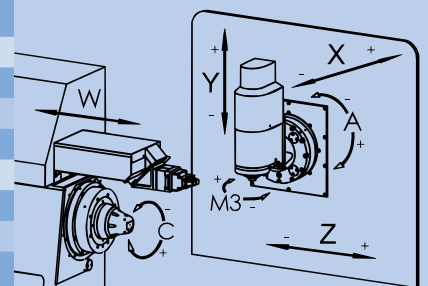


## Tool changer

- Electro-mechanical tool changer
- 30 positions

## Axes travels:

Travels	Power	Push force
X = 200 mm	3 Kw	560 daN
Y = 400 mm	4 Kw	560 daN
Z = 550 mm	5 Kw	900 daN
		Torque
C = 360°	4,3 Kw	84/150 Nm
A = +25° / -115°	4,3 Kw	84/150 Nm



# Technical data

## 1. GENERAL

	X AXIS	Y AXIS	Z AXIS	A AXIS	C AXIS
Travels	200 mm	400 mm	550 mm	+25/-115°	unlimited
Power	3 Kw	4 Kw	5 Kw	4,3 Kw	4,3 Kw
Push force	560 daN	560 daN	900 daN	–	–
Torque/maxi. torque	–	–	–	84/150 Nm	84/150 Nm
Speed	30 m/min	30 m/min	30 m/min	36 000°/min	79 200°/min
Resolution	0,001 mm	0,001 mm	0,001 mm	0,0001 mm	0,0001 mm
Repeatability	+/-0,001 mm	+/-0,001 mm	+/-0,001 mm	+/-0,0005°	+/-0,0005°

## 2. ELECTROSPINDLE

Power	10 kW
Maxi. torque	4,2 Nm à 23 200 min-1
Mini./maxi. speed	100 / 30 000 min-1
Clamping force - tool holder	3300 N
Tool centre lubrication	30 bars (option)

## 3. TOOL CHANGER

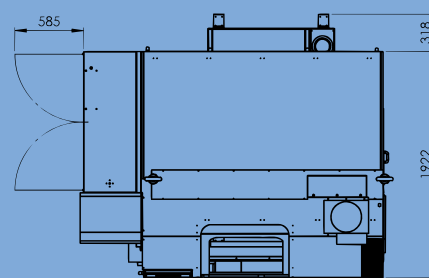
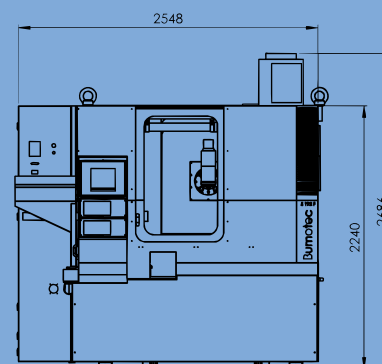
Tool holder	ISO 25 ou HSK 40
Number of positions	30
Maxi. tool diameter	40 (80 if adjoining post is free)
Maxi. tool weight	2,5 Kg
Maxi. tool length	70 mm
Tool changing time	1,25 sec.
Chip to chip	3,2 sec.

## 4. PERIPHERIES

Cutting oil tank capacity	300 l
Pressure and flow coolant	5 bars / 30l/min
Coolant	4 chanel 3,5 Kw
Central greasing	5 l

## 5. ALIMENTATION / MISCELLANEOUS

Installed power	25kVA
Service tension	3/N/PE/400V/230V/50HZ
Pneumatic alimentation	6 bars (Dried air)



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



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