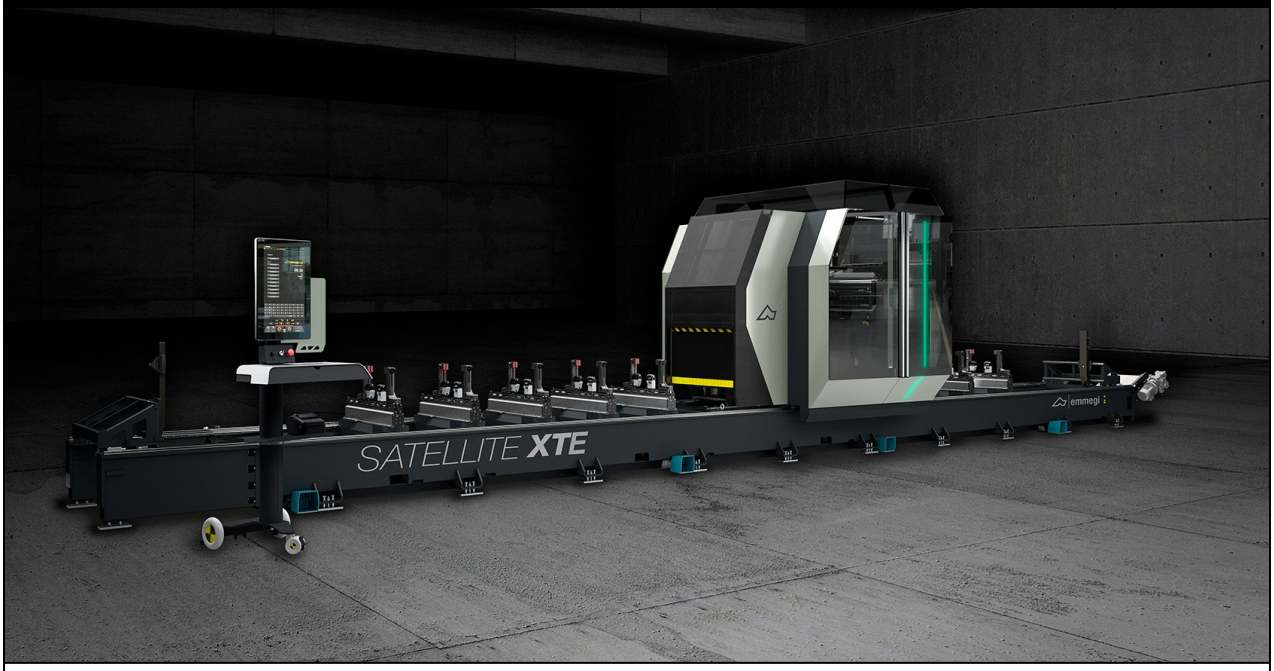
SATELLITE XTE

PORTAL MACHINING CENTERS



5-axis CNC mobile gantry machining centre, designed to run milling, drilling, threading and cutting processes on large bars in aluminium, PVC, light alloys and steel. The mobile part of the machine mainly consists of a gantry equipped with precision motorisation rack. The high-power electrospindle (15 kW in S1) with HSK-63F tool connection allows even heavy-duty machining to be run with excellent speed and accurate results. The new local safety cab was designed to combine top functionality, accessibility and light with safety and ergonomic requirements. The operator has broad glazed surfaces to check machining execution and, thanks to the total opening system of the cab in two separate parts, easy access during cleaning and maintenance. The cab interior includes the complete segregation of the work area from the remaining sections of the tool magazine and other accessories supplied on the trolley, ensuring maximum chip collection towards the conveyor belt and, as optional, dedicated extraction of machining fumes. The 24-place tool magazine is housed in the mobile gantry; it is equipped with an exchanger arm system that considerably reduces tool change times. A 500 mm blade tool is housed separately in a dedicated magazine system. SATELLITE XTE features new servocontrolled clamps that, in double operation, independently position themselves in concurrent time with respect to the spindle machining processes in the opposite working field. The clamps, which are compact and sturdy, are easy to configure without the use of tools for geometric adjustments. The new stops enable complete coverage of the working field and disengage the area when machining profile heads. All CNC axes are absolute and do not require resetting upon restarting the machine.

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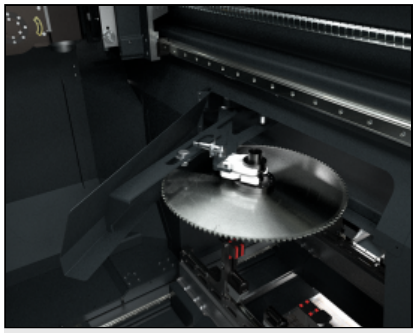
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Cabin

The local guarding cabin has been designed to offer optimal functionality, accessibility and lighting while fulfilling safety and ergonomics requirements. The innovative and refined design makes the machine unique and unmistakeable. The large glass windows allow the operator to easily and safely control the execution of the machining operations.



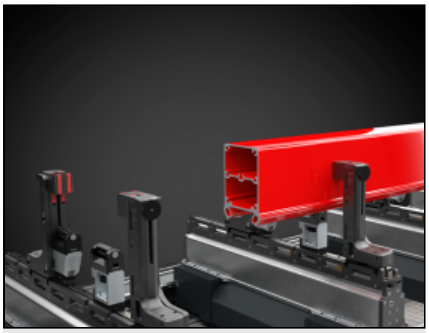
Blade magazine

The blade tool, with a maximum diameter of 500 mm, is housed in a dedicated magazine separate from the other tools. It is equipped with HSK-63F toolholder and can work by exploiting the 5 interpolated axes of the electric head to section the workpiece. By means of a suitable optional software, it allows cutting and separation directly from the unmachined bar. A milling disc with a diameter of 180 mm can be housed in the toolholder magazine.



Tool magazine

The 24-place toolholder magazine is installed directly on machine gantry; its rear position, in a dedicated area, ensures maximum protection from machining swarf. The turntable magazine enables top reliability, low noise levels and optimised tool change cycles, also thanks to an exchanger arm system.



Vices

The vice unit is able to ensure correct and safe blocking of aluminium, PVC, steel and light alloy profiles in large dimensions. Each unit slides on linear guides on machine surface. The positioning in static double operation mode models is managed via X axis.

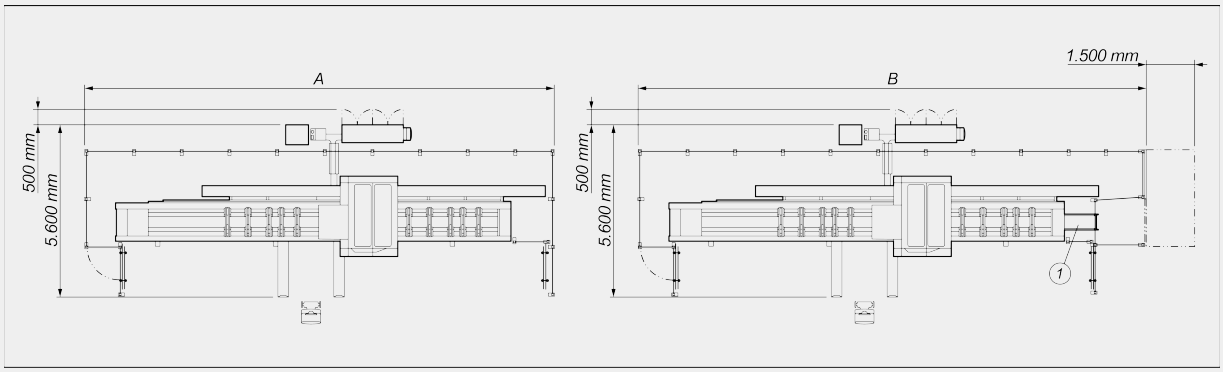
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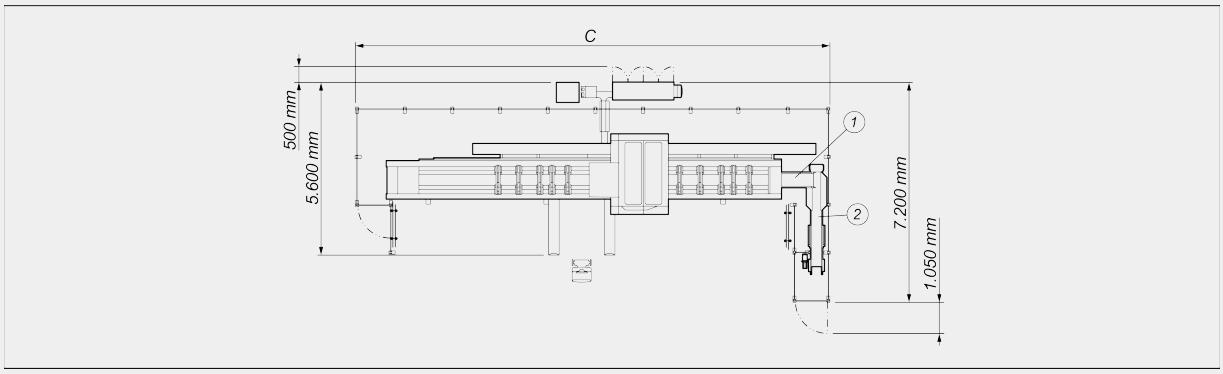
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SATELLITE XTE / PORTAL MACHINING CENTERS

LAYOUT





	A	B	C
Satellite XTE - 7,8m (mm)	12.900	14.100	13.000
Satellite XTE - 10,5m (mm)	15.300	16.600	15.400
Satellite XTE - 15,5m (mm)	21.300	22.600	21.400

1. Metal mesh swarf evacuation belt with outlet to the right (optional)
2. Belt for conveying swarf and short cuts to collector bag(optional)

The overall dimensions may vary depending on the product configuration.

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AXIS STROKES

X AXIS (longitudinal) (mm)	7.800 ; 10.500 ; 15.500
Y AXIS (transversal) (mm)	1.100
Z AXIS (vertical) (mm)	655
B AXIS (head vertical-horizontal rotation)	0° ÷ 90°
C AXIS (vertical axis rotation of the head)	0° ÷ 360°

POSITIONING SPEED

X AXIS (longitudinal) (m/min)	75
Y AXIS (transversal) (m/min)	60
Z AXIS (vertical) (m/min)	40

ELECTROSPINDLE

Toolholder cone	HSK - 63F
Maximum torque (Nm)	12
Maximum speed (rpm)	24.000
Maximum power in S1 (kW)	15

AUTOMATIC TOOL MAGAZINE ON BOARD THE GANTRY

24-place tool magazine with rapid tool change with tool changer arm	●
Maximum dimension of the tools that can be loaded into the magazine (mm)	Ø = 80 - L = 300
Maximum size of the blade that can be loaded into the magazine (mm)	Ø = 180 - L = 150

WORKABLE SIDES

With direct tool (upper face, side faces, heads)	5
With blade tool Ø 500 mm (upper face, side faces, heads)	1 + 2 + 2

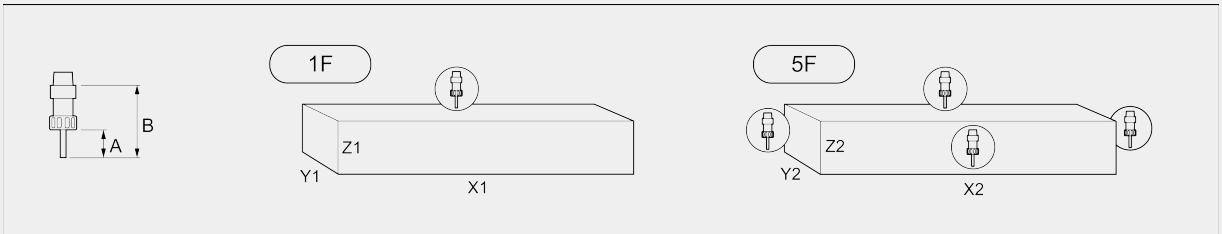
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WORK AREA

1F = 1 face machining **5F = 5 faces machining**



		A	B	X1	Y1(*)	Z1	X2	Y2	Z2
SATELLITE XTE 7.800	single mode	73	145	7.800	1.000	400	7.300	450	400
	double mode	73	145	3.465	1.000	400	3.215	450	400
SATELLITE XTE 10.500	single mode	73	145	10.500	1.000	400	10.000	450	400
	double mode	73	145	4.815	1.000	400	4.565	450	400
SATELLITE XTE 15.500	single mode	73	145	15.500	1.000	400	15.000	450	400
	double mode	73	145	7.315	1.000	400	7.065	450	400
Ø 500 mm blade machinable section (separation cuts from rough bar included)					292	360		292	360
machinable section with angle head on the lower face					350	330		350	330

Dimensions in mm
(*) requires special helding fixture

TAPPING CAPACITY (with Tap On Aluminium And Through Hole)

Rigid	M12

WORKPIECE LOCKING

7,800 mm versions; standard number of pneumatic vices	8
7,800 mm versions; maximum number of pneumatic vices	12
7.800 mm versions; maximum number of vices per area	6
10,500 mm versions; standard number of pneumatic vices	10
10,500 mm versions; maximum number of pneumatic vices	14
10,500 mm versions; maximum number of vices per area	7
15,500 mm versions; standard number of pneumatic vices	12
15,500 mm versions; maximum number of pneumatic vices	16
15,500 mm versions; maximum number of vices per area	8

Included ● Available ○

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