EVER

Affordable High Performance

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Reducing operating costs through innovation

“Middle Range” is the new Jobs machine line which offers a new level of price/performance ratio. Even though guaranteeing maximum performance level, the “Middle Range” machines ensure reduced operating costs and simplified maintenance.
Three vertical models, eVer family, three horizontal models, Thor family, thanks to their great possibility of customisation allow to satisfy all the manufacturing requirements for medium-large size components.
The power ranging from 35 to 44 kW (from 47 to 59 hp) and the different heads, fixed or interchangeable, ensure maximum flexibility in each application context. The “Middle Range” is particularly aimed at the market of subcontractors, which want to be provided with advanced technology at the most competitive hourly costs.

The “Middle Range” machines feature:

- **minimized hourly costs**
- **machine component number drastically reduced by 35%**
- **reduced operating costs**
- **simplified maintenance**
- **flexibility in use**
- **high rigidity ensuring milling capacity and accuracy**
- **acceleration and speed through innovative mechanics and kinematics**
- **ergonomics and easy load**
- **environment-friendly**

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Gantry type with
high milling performance

EVER⁷

Affordable High Performance

ONTIER FOR LOW-COST MILLING

The application markets

The key elements of the eVer family are excellent dynamics and rigidity which, combined with low operating costs, make these machines suitable for:

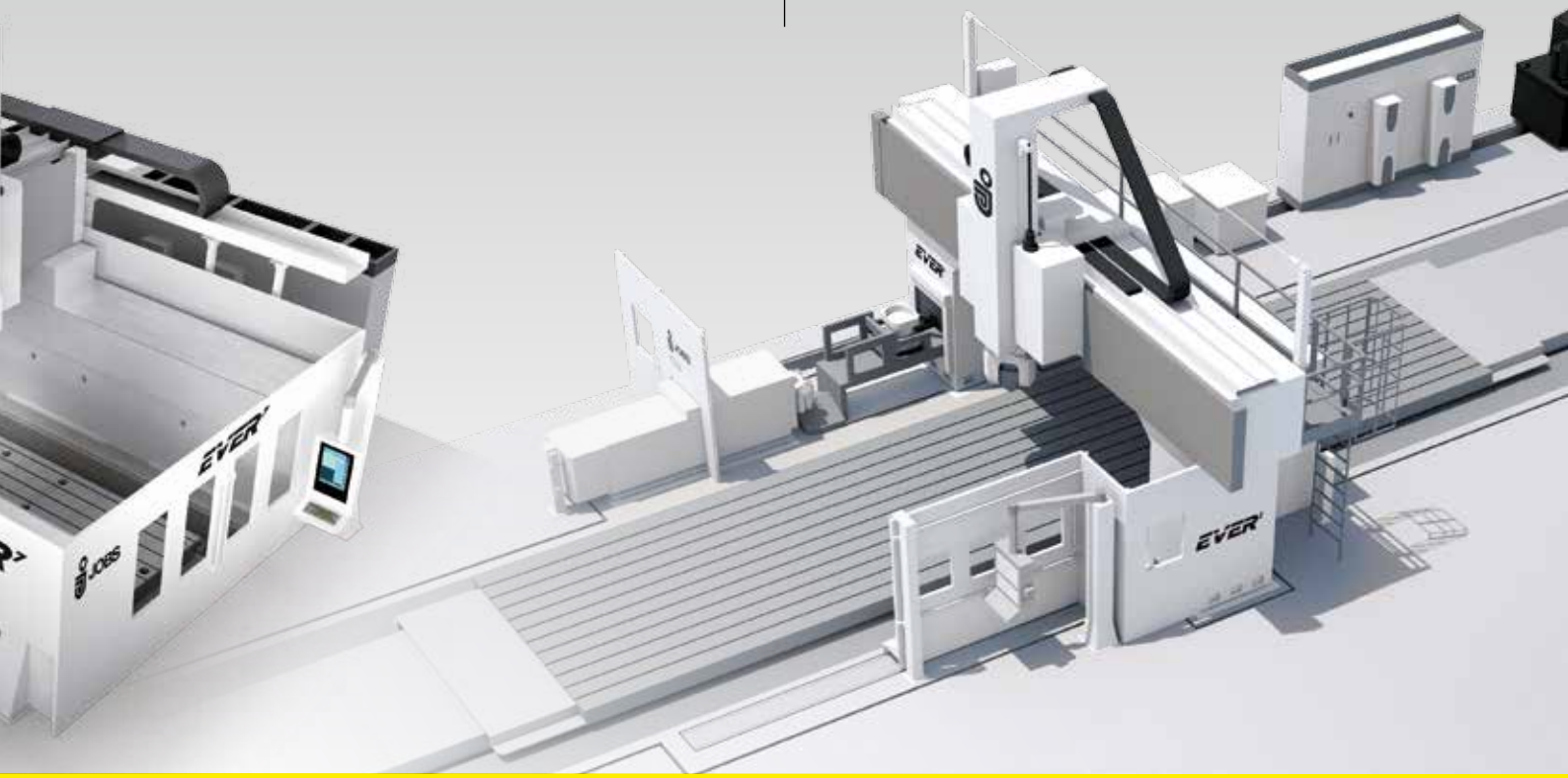
general engineering	**moulds and dies**	**energy**	**aerospace**

eVer, vertical milling centre, together with Thor, horizontal milling centre featuring equivalent characteristics, satisfy all contexts in terms of dimension and application.

Overhead gantry with high dynamics
and flexibility

EVER'

Bridge type with mobile table
with maximum operating ergonomics



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EVER 5

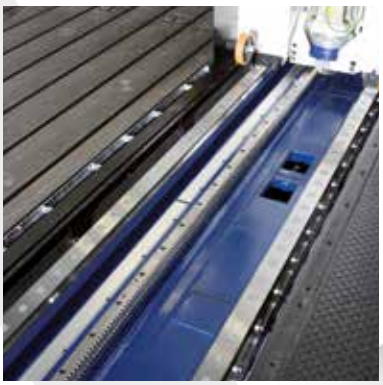
MOBILE GANTRY WITH UNDER

Universal milling head

MT frame: crossbeam structure with multi-triangle section conceived for the highest torsional and bending stiffness and for high dynamic efficiency

eVer 5 is the new family of medium-size gantry type milling centres for 3/3+2/4/5 axes machining with high chip removal capacity featuring:

- minimized hourly costs
- reduced operating costs
- under floor level X-axis guides with fixed walkable covers
- crossbeam structure with multi-triangle section “MT-frame”
- dual drive traction on all axes
- sliding on oversize multi-pads guaranteeing maximum rigidity
- possibility of front and side part loading
- wide range of interchangeable heads, tool changing systems and other accessories



Motion kinematics obtained through Jobs innovative technology:

- **single dual drive by rack on Y and Z axes**
- **twin dual drive by rack on X axes**
- **guide-ways with multi-pad roller sliding blocks**

High Power Machining Culture

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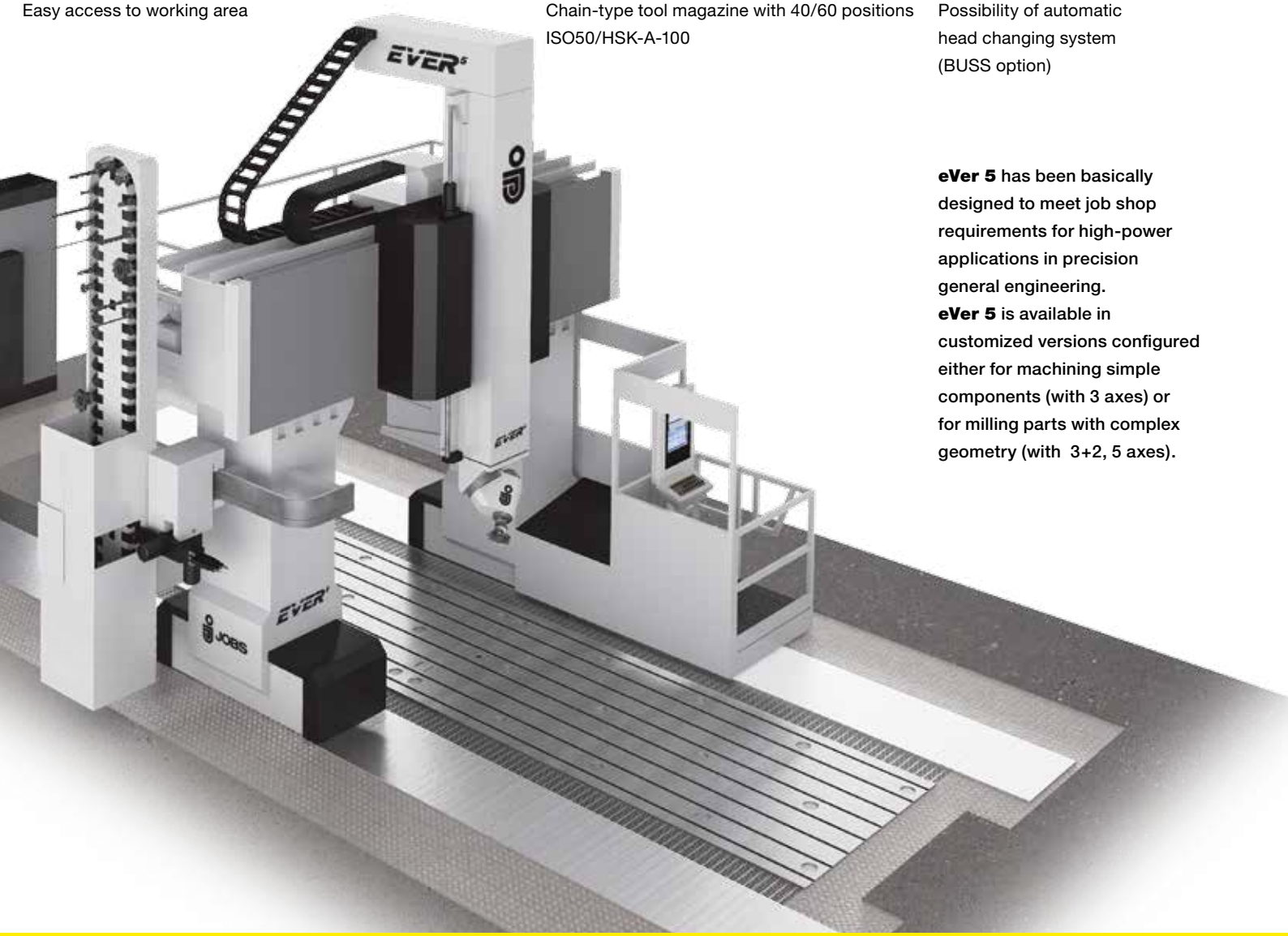
FLOOR LEVEL X-AXIS GUIDES, ERGONOMIC AND EASY LOAD

Easy access to working area

Chain-type tool magazine with 40/60 positions ISO50/HSK-A-100

Possibility of automatic head changing system (BUSS option)



eVer 5 has been basically designed to meet job shop requirements for high-power applications in precision general engineering.
eVer 5 is available in customized versions configured either for machining simple components (with 3 axes) or for milling parts with complex geometry (with 3+2, 5 axes).

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Transversal axis frame (Y axis) composed of an electrowelded metal structural work crossbeam with two guides with preloaded rollers for Y-axis saddle movement

MT frame: longitudinal axis frame (X axis) with multi-triangle section conceived for the highest torsional and bending stiffness and for high dynamic efficiency

eVer 7 is the new family of medium-size overhead gantry milling centres for 3/3+2/4/5 axes machining with high dynamic performance and chip removal capacity featuring:

- minimized hourly costs
- reduced operating costs
- overhead gantry structure with high dynamics and chip removal capacity
- crossbeam structure with multi-triangle section "MT-frame"
- dual drive traction on all axes
- sliding on oversize multi-pads guaranteeing maximum rigidity
- excellent enclosure for efficient chip containment and other machining residue
- wide range of interchangeable heads, tool changing systems and other accessories

Motion kinematics obtained through Jobs innovative technology:

- **single dual drive by rack on Y and Z axes**
- **twin dual drive by rack on X axes**
- **guide-ways with multi-pad roller sliding blocks**

High Speed Machining Culture

CENTRE WITH GUIDES ON COLUMNS, COMPACT AND HIGHLY EFFICIENT

Easy access to working area

The BUSS system (Basic Universal Spindle System) can accept a vast family of universal heads, mechanical heads with 3, 3+2 and 5 axes, in addition to 5-axis twist heads with electrospindle for high-speed semi-finishing and finishing.

The high dynamic performances thanks to the minimized mobile masses make **eVer 7** mainly oriented to applications in the moulding and aerospace sectors.

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Technical data

EVER

AXES STROKES		EVER 1	EVER 5	EVER 7
X Axis (longitudinal) (Dual Drive)	mm (inch)	4000 / 5000 / 6000 (157 / 197 / 236)	4000 / 7000 / 8500 + est. (1500) (157 / 275 / 335 + ext. 59)	
Y Axis (transversal)	mm (inch)	3000 / 3500 / 4000 (118 / 138 / 157)		
Distance between columns	mm (inch)	3650 / 4150 / 4650 (144 / 163 / 183)		
Z Axis (vertical)	mm (inch)	1250 / 1500 (49/59)		
Worktable Lenght Width	mm (inch)	L 3000 / 4000 / 5000 (118/157/197) W 2500 / 3000 / 3500 (98 / 118 / 138)	L 4000 + ext. (157 + ext.) W 2500 / 3000 (98 / 118)	
Worktable loading capacity	Kg (lb) kg/m² (lb/ft²)	from 7000 to 20000 (from 15432 to 44092) -	- 5000 and over (1024 and over)	
X-Y-Z axes speed	mm/min (ipm)	up to 32000 (up to 1260)		up to 40000 (up to 1575)

MILLING HEADS	C Axis	A Axis	Power	Torque	Spindle speed	Tool taper
	°	°	kW (hp) S6 [S1]	Nm (lb*ft) S6 [S1]	rpm	
UNIVERSAL HEADS						
Universale	indexed 2,5	indexed 2,5	44 [35] (59 [47])	1005 [800] (741 [590])	5000	ISO 50 HSK-A-100
Universale 3	indexed 0,02	indexed 0,02	44 [35] (59 [47])	1005 [800] (741 [590])	5000	ISO 50 HSK-A-100
CONTINUOUS TWIST HEADS						
T35-C	± 200	-100 / +110	44 [35] (59 [47])	1005 [800] (741 [590])	5000	ISO 50 / HSK-A-100
T3K	± 200	-120 / +95	44 [35] (59 [47]) 40 [36] (54 [48])	200 [160] (147[118]) 63 [58] (46 [43])	15000 27000	HSK-A-100 HSK-A-63

TOOL MAGAZINE - Chaine type		
Positions	N°	40 / 60 and others
Tool taper		ISO 50 / HSK-A-100 / HSK-A-63
Tool max. Ø (1)	mm (inch)	120 (4,7)
Tool max. Ø (2)	mm (inch)	250 (9,8)
Tool max. length	mm (inch)	500 (19,6)
Tool max. weight	kg (lb)	25 (55)

GENERAL DATA		EVER 1	EVER 5	EVER 7
Power supply	VAC	400 ± 10%		
Frequency	Hz	50 ± 2%		

(1) with tools side-by-side
(2) with alternate tool position

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