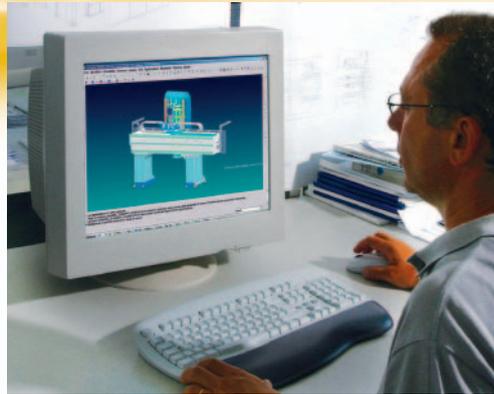


# JomaX 261



High Power Machining Culture



## Exclusive Design Capability

The best design technologies:  
CAD - FEM - Modal Analyses



## Spindle Heads

Milling heads for machining sculptured surfaces  
with 3/3+2/4/5 axes, with BUSS automatic head  
changing system

# POWER AND TORQUE FO

**JomaX 261** is the new medium-large size milling centre with fixed gantry and moving table for exceptionally flexible machining with 3/3+2/4/5 axes and is pre-arranged for a wide range of customisations. This machine features:

- high dynamics in terms of speed (up to 28 m/min) and acceleration (1,5 m/s<sup>2</sup>)
- structural rigidity
- high-volume chip removal capability (up to 75 kW, 2.500 Nm)
- precision
- productivity
- wide possibilities of configuration
- production automation
- compactness.

A particularly interesting solution is the double-table configuration enabling either the pendular machining with workpiece change in masked time, or the synchronized functioning in order to machine components with remarkable dimensions and a total weight up to 50 tons.

# Joma



3-axis milling/boring head  
with external diameter  
100 mm



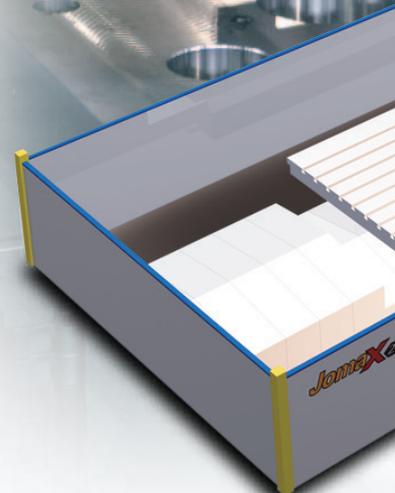
3-axis milling/boring head  
with external diameter  
200 mm

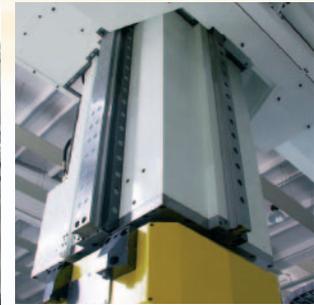


Right-angle head

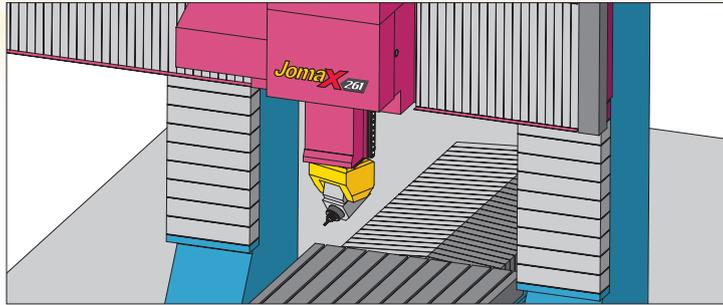


Universal bi-directional  
TMX head with  
electrospindle





X Axis: 2 guides, 6 sliding blocks  
 Y Axis: 2 guides, 5 sliding blocks  
 Z Axis: 3 guides, 8 sliding blocks



W Axis: vertical translation



Wide range of universal milling heads available

## Rigidity

X-Y-Z axes created with high rigidity guides

## Flexible configuration

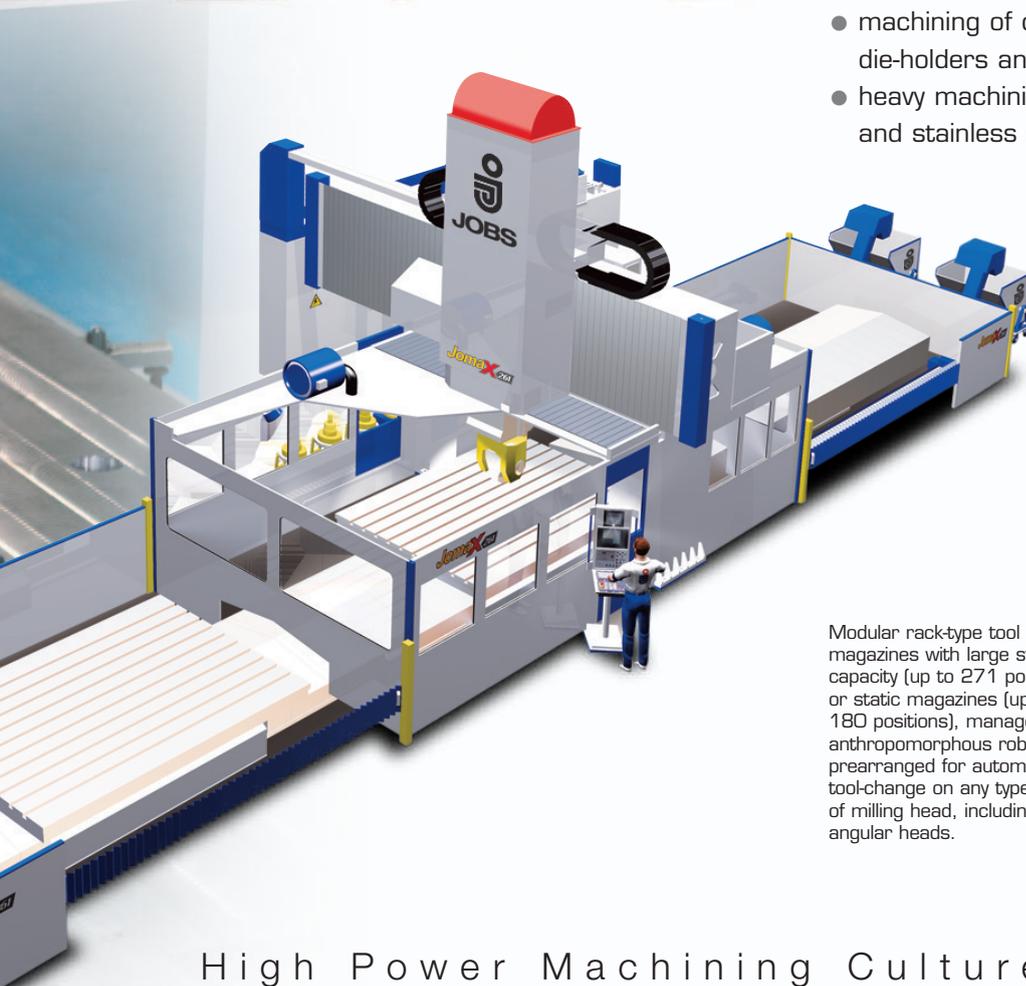
Accessories for personalised applications

# PRECISION MACHINING

# JomaX 261

The performance of JomaX 261 remarkably improves the competitiveness of the End-user for applications in precision general engineering:

- high-power machining with high torque at the spindle for packaging and printing fields, food and textile industries, energy and heavy mechanics industries,
- machining of dies, with particular reference to die-holders and large-size dies,
- heavy machining of large structural parts in titanium and stainless steel.



Modular rack-type tool magazines with large storage capacity (up to 271 positions), or static magazines (up to 180 positions), managed by anthropomorphic robot, prearranged for automatic tool-change on any type of milling head, including angular heads.

High Power Machining Culture



TECHNICAL DATA				
AXIS STROKE			JOMAX 261	
X axis (longitudinal)	mm	(inch)	5.000 / 6.000 and over	(197 / 236 and over)
Y axis (transversal)	mm	(inch)	3.000 / 4.000 and over	(118 / 157 and over)
Distance between columns	mm	(inch)	2.600 / 3.600	(102 / 142)
Z axis (vertical)	mm	(inch)	1.250 / 1.500	(49 / 59)
C axis	°	deg	∞ (continuous)	∞ (continuous)
Worktable	mm	(inch)	starting from 4.000 x 2.500	starting from (157 x 98)
Worktable loading capacity	kg	(lb)	15.000	(33.069)
AXIS SPEED				
X-Y-Z axes	mm/min	(inch/min)	up to 28.000	up to (1.102)
HEADS	A axis		Power	Torque
	°		kW - S6 [S1] (hp) - S6 [S1]	Nm - S6 [S1] (lb*ft) - S6 [S1]
Power Twist Head - 5 axes (T6K-P)	220 (±110)		53 [42] 71 [56]	1.687 [1.337] 1.244 [986]
Spindle Ext. (550 mm/21,65 inch)	-		56 [45] 75 [60]	1.783 [1.433] 1.315 [1.057]
Spindle Ext. T3A-XP	-		85 [70] 114 [94]	3.110 [2.561] 2.294 [1.889]
Angular Head (550 mm/21,65 inch)	-		53 [42] 71 [56]	1.687 [1.337] 1.244 [986]
Angular Head T90-XP	-		85 [70] 114 [94]	3.110 [2.561] 2.294 [1.889]
High Speed Twist Head - 5 axes (T3K)	215 (-120/+95)		44 [35] 59 [47]	200 [160] 147 [118]
TMX Head	90 (+0/-90) indexed through 1		40 [31,5] 54 [42]	381 [300] 281 [221]
TOOL MAGAZINE			Chain Type	Rack Type
Positions	N°		60 HSK-A-100 / 80 (opt.)	136 HSK-A-100 / 177 (opt.)
Tool max. Ø (with tools side-by-side)	mm (inch)		125 (5)	100 (4)
Tool max. Ø (with alternate tool position)	mm (inch)		350 (13)	220 (9)
Tool max. length	mm (inch)		500 (19)	200/300/550 (8/12/21)
Tool max. weight	kg (lb)		30 (66)	30 (66)
GENERAL DATA				
Three phases input line	VAC		400/480 ±10%	
Frequency	Hz		50/60 ±2%	
Weight (basic machine configuration)	kg (lb)		85.000 (187.393)	

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**JOBS SpA**

 Via Emilia Parmense, 164 • 29122 Piacenza (I)  
 Tel. +39 0523 549611 • Fax. +39 0523 549750  
 com.com@jobs.it • www.jobs.it
