

Linear motor overhead gantry milling centres

LINX3 COMPACT



Very High Speed Machining Culture



Large-size longitudinal structure (X axis) on which wide-section guides with preloaded rollers are fixed and installed on columns



Vertical axis frame (Z axis) composed of a ram sliding within the saddle on wide-section guides with preloaded rollers



Transversal axis frame (Y axis) composed of a duly optimized crossbeam with wide-section guides and preloaded rollers for saddle movement

Jobs makes a further step forward in the field of very high-speed machining and presents the **third generation** of **LinX** machines' family, with linear motor technology for linear axis drive.

LinX3 Compact, the renewed milling centre with mobile crossbeam, has been optimized by employing ultimate technologies in structural design in order to achieve best possible dynamic performance and features:

- very rigid “overhead gantry” structure ensuring high accuracy, finishing quality and productivity
- improved stiffness and top-level dynamic performance (axes speed up to 75 m/min, acceleration up to 7,5 m/sec²)
- optimized ergonomic design
- drastic cut in overall machining time
- remarkable reduction of hourly costs
- simplified maintenance requirements thanks to absence of wear of mechanical components
- better working environment and silent functioning

- design based on a system of modular multifunctional subassembly groups, allowing wide possibilities of customization according to required machining operations and plant layout
- conceived according to Jobs “Green Vision”, allowing 36% of power reduction and 12% of the energy saved.

The following versions are available: **LinX3 20**, **LinX3 30**, **LinX3 35**, **LinX3 40** and **LinX3 50** with different transversal sizes (Y axis with strokes from 2000 to 5000 mm), modular X axis starting on 2000 mm with one or more extensions of 2000 mm each.

The vertical Z axis is available in different size configurations with strokes of 900, 1250, 1500, 2000 and 2500 mm.

Very High Speed Machining Culture

THE ULTIMATE GENERATION IN VERY HIGH SPEED MACHINING



Very efficient hydro-pneumatic counterweight system, for balancing masses of Z-axis group, composed of a direct dual cylinder

The machine can be equipped with different milling heads specifically designed for various application such as:



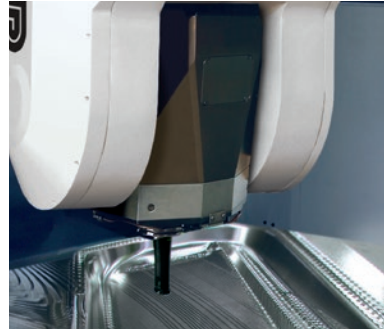
Bipolar T2D head for car design & prototyping applications



T3D Aero-configuration head for high-power machining in aerospace industry



The JIMS spindle cartridge exchange system (Jobs Interchangeable Motorspindle System) allows to optimize technological machining conditions with HSK-A-100 and HSK-A-63 spindles



Bipolar T3K head for complete mould & die machining and aerospace applications



Indexed TMX head for general precision engineering operations



LinX3 Compact can meet applications demanding maximum speed and flexibility for:

- aerospace
- design & prototyping
- models, moulds and dies
- composites
- general engineering
- energy and aero-engines.



Technical data

LINX3 COMPACT

AXES STROKES		LINX3 20	LINX3 30	LINX3 35	LINX3 40	LINX3 50
X axis (longitudinal)	mm inch	2000 / 4000 / 6200 + ext. 2000 79 / 157 / 244 + ext. 79		4000 / 6200 / 8200 + ext. 2000 157 / 244 / 323 + ext. 79	6200 / 8200 / 10200 + ext. 2000 244 / 323 / 401 + ext. 79	
Y axis (transversal)	mm inch	2000 79	2950 116	3650 144	4000 157	5000 197
Z axis (vertical)	mm inch	900 / 1250 / 1500 35 / 49 / 59	900 / 1250 / 1500 / 2000 35 / 49 / 59 / 79	1250 / 1500 / 2000 / 2500 49 / 59 / 79 / 98	1500 / 2000 / 2500 59 / 79 / 98	
Loading capacity	kg/m ² lb/ft ²	from 5000 to 15000 from 1024 to 3072				
AXES SPEED						
Linear axes speed X-Y-Z	m/min ipm	75 2953	60 2362	50 1968	50 1968	50 1968

MILLING HEADS	C axis	A axis	Power	Torque	Spindle Speed	Tool Taper
	°	°	kW - S6 [S1] hp - S6 [S1]	Nm - S6 [S1] lb*ft - S6 [S1]	rpm	
CONTINUOUS TWIST HEADS						
T3K	±200	-120 / +95	44 [35] 59 [47]	200 [160] 147 [118]	15000	HSK-A-100
			40 [36] 54 [48]	63 [58] 46 [43]	27000	HSK-A-63
			66 [60] 89 [80]	63 [58] 46 [43]	27000	HSK-A-63
T2D	± 200	-110 / +120	40 [31] 54 [42]	32 [25] 27 [18]	24000	HSK-A-63
T2D-03 (Y stroke reduced by 200 mm, 8 in)	± 200	± 110	60 [54] 80 [72]	95 [85] 70 [63]	20000	HSK-A-63
INDEXED HEAD						
TMX (only Z= 900 mm, 35 inch)	±180 indexed 1°	-105 / +15 indexed 1°	41 [34] 56 [46]	313 [260] 231 [192]	8000	HSK-A-100

TOOL MAGAZINE						
Positions	N°	20 - 40 & over			16 - 32 & over	
Tool taper		HSK-A-63			HSK-A-100	
Tool max. Ø (tools side-by-side)	mm inch	100 4			125 5	
Tool max. Ø (alternate tool position)	mm inch	150 6			150 6	
Tool max. length	mm inch	300 12			300 12	
Tool max. weight	kg lb	15 33			20 44	

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

France
JOBS Sarl
Vénissieux – Lyon
Tel. +33 4 72 78 69 82
Fax +33 4 72 78 69 49
commercial@jobs-france.fr

U.S.A.
JOBS Inc
Fenton – Michigan
Tel. +1 810 714 0522
Fax +1 810 714 0523
sales@jobsmachinetools.us

Germany
JOBS GmbH
Augsburg
Tel. +49 821 5976630
Fax +49 821 5976633
info@jobs-service.de

China
FFG Europe Machinery (Beijing) Co.,Ltd.
Beijing
Tel. +86 10 5822 2670/79-812
Fax +86 10 5822 2630
info@jobsmachinetools.cn