



LinX



 **JOBS**



The high-performance **horizontal** milling centre.

LinX O is a new generation 5-axis horizontal milling centre, compact and ergonomic with linear motor technology drive. This machine has been specially designed by Jobs with the aim of offering end-users a new opportunity for investing in high-performance production of large-size components. The employment of linear motors and the innovating L-body® structure fitted with vanguard driving technology, ensure unique dynamic features and production performance.

LinX O is conceived as a high-speed horizontal base milling module with mobile column, suitable to be fitted with several functional attachments aimed at optimizing the configuration for various fields of application:

General Engineering, Aeronautic, Mold/Die production.



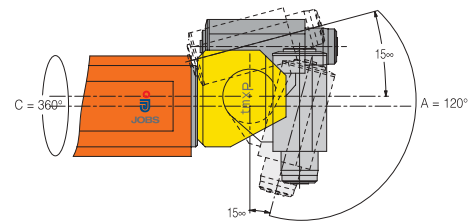
Vanguard project technologies

The best project technologies:
CAD - FEM - Modal Analysis



Rigidity and Accuracy

- L-body® structure
- Two lines of linear motors on X and Y axes
- Three high-rigidity drives



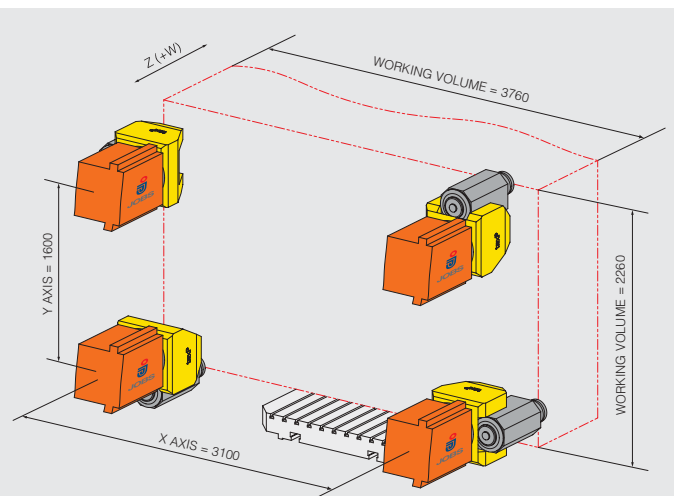
High-performance electrospindles

- Milling electro-spindles for 3/3+2 axis machining for accurate general engineering and complex surfaces
- TMXP high-power birotating head: high-accuracy indexed angular axes (C=360° and A=120°)



Work area

- High-accuracy rotary table for loads up to 8000 kg
- W axis with high-speed ball screw drive
- Z+W axis speed: up to 74 m/min



Working volume (+600 mm compared to the stroke of each axis: X and Y)

PRODUCTION AUTOMATION



Automatic Pallet Change

3 to 7 pallets in line exchanged on a rototranslating device fitted with W axis



Automatic Tool Change

32/60 position chain-type magazine or static modular magazine up to 271 positions with handling robot and mechanical hand



LinX O is characterized by:

- **Highly dynamic axes**
- **Structural rigidity and high accuracy**
- **High chip removal capacity**
- **Wide choice of configurations and accessories**
- **Customized integrated automation**
- **Very compact structure**
- **Complete processing of residual swarf material**



JIMS system

Electrospindle cartridge automatic change



TECHNICAL DATA			
AXIS STROKES		LinX O	
X axis - Transversal	mm inch	2100 - 3100 - 4100 - 5100 - 6100 and over 82,7 - 122 - 161,4 - 200,8 - 240,2 and over	
Y axis - Vertical	mm inch	1600 - 2500 63 - 98,4	
Z axis - Longitudinal	mm inch	600 23,6	
W axis - Longitudinal	mm inch	2000 78,7	
AXIS SPEED			
X axis - Transversal	mm/min inch/min	50000 1969	
Y axis - Vertical	mm/min inch/min	50000 1969	
Z axis - Longitudinal	mm/min inch/min	50000 1969	
W axis - Longitudinal	mm/min inch/min	24000 944,9	
MILLING UNIT		TMXP INDEX	T3D-02
C axis stroke	°	± 180 indexed through 1°	± 200 continuous
C axis speed	°/sec	42	180
A axis stroke	°	+ 15/-105 indexed through 1°	+ 120/-90 continuous
A axis speed	°/sec	30	180
Tool taper		HSK-A-100	HSK-A-63
Spindle speed	rpm	20 - 8000	250 - 24000
Constant power - S6 (S1)	kW hp	40 (31,5) from 1000 rpm 53,6 (42,2) from 1000 rpm	70 (60) from 11000 rpm 93,9 (80,5) from 11000 rpm
Constant torque - S6 (S1)	Nm lb*ft	381 (300) up to 1000 rpm 281 (221) up to 1000 rpm	60 (52) up to 11000 rpm 44,3 (38,4) up to 11000 rpm
PALLET SYSTEM			
ISO 1250 x 1600 Rotary table			
Max. positions	-	360000 continuous	
Max. load	kg lb	8000 17640	
Translating Pallet Changer			
Pallet size	mm inch	1250 x 1600 49,2 x 63	
Pallet loading capacity	kg lb	8000 17640	
Active units	N	2 or more	
TOOL MAGAZINE		CHAIN	RACK
Positions	N	32/60	86/134/175/271
Tool max. Ø (with tools side-by-side)	mm inch	125 4,9	100 3,9
Tool max. Ø (with alternate tool position)	mm inch	150 5,9	200 7,9
Tool max. length	mm inch	300 11,8	430 16,9
Tool max. weight	kg lb	20 44,1	20 44,1

The above technical data is for information only and can be changed without notice.