APT INTERNATIONAL

Technical datasheet

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BED MILLING MACHINES WITH MOVING TABLE & CNC

Johnford Dmc4100LH X: 4100 – Y: 2800 – Z: 800 mm CNC 5 axes

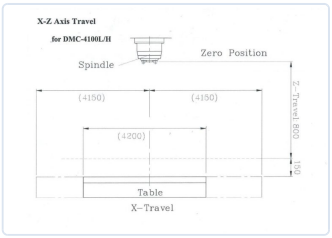
Brand: Johnford · Type: Dmc4100LH X: 4100 - Y: 2800 - Z: 800 mm CNC 5 axes











BED MILLING MACHINES WITH MOVING TABLE & CNC

Longitudinal travel X-axe	**4100 mm**	Cross travel Y-axe	**2800 mm**
Travel Z-axe	**800 mm**	Table size	**4200 x 2400 mm**
Power on spindle	**30 kW**	Admission in millinghead (ISO)	**BT 50**
Max speedrange	**6000 rpm**	Control	**Heidenhain TNC 530**
Length	**11055 mm**	Depth	**6320 mm**
Height	**4140 mm**	Weight	**45 ton**

PORTAL & GANTRY MILLING MACHINE & CNC

Passage beween uprights	**2800 mm**	Longitudinal travel X-axe	**4100 mm**
Cross travel Y-axe	**2800 mm**	Travel (height) Z-axe	**800 mm**
Table size	**4200 x 2400 mm**	Power on spindle	**30 kW**
Admission in millingheadspindle (ISO)	**BT 50**	Max speedrange	**6000 rpm**
Control	**Heidenhain TNC 530**	Length	**11055 mm**
Depth	**6320 mm**	Height	**4140 mm**
Weight	**45 ton**	Toolchanger	**yes**
Number of tools	**40 toolpositions**		

VERTICAL MACHINING CENTERS

X-axis	**4100 mm**	Y-axis	**2800 mm**

CONTACT

Dam-Apt BV
De Tonne 77 · 9800 Deinze · Belgium
Tel: +32 (0)9 386 15 71 · info@aptint.com
www.aptint.com · VAT BE 0405.595.996

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Z-axis	**800 mm**	Table dimensions	**4200 x 2400 mm**
Passage between uprights	**2800 mm**	Admission in spindle (ISO)	**BT50**
Power on the spindle	**30 kW**	Control	**Heidenhain TNC 530**
Number of axes	**5 axes**	Toolchanger	**yes**
Number of toolholders	**40 toolpositions**	Number of rotations	**6000 rpm**
Length	**11055 mm**	Depth	**6320 mm**
Height	**4140 mm**	Weight	**45 ton**

HORIZONTAL MACHINING CENTERS

X-axes	**4100 mm**	Y-axes	**2300 mm**
Z-axes	**800 mm**	Table dimensions	**4000 x 2000 mm**
Admission in spindle (ISO)	**BT50**	Power on the spindle	**26 kW - 600 Nm torque**
Control	**Heidenhain TNC 530**	Number of axes	**5 axes**
Toolstore	**40 toolpositions**	Frequency	**6000 rpm**
Weight	**45 ton**		

DESCRIPTION

Type: DMC-4100LH
2800 mm between columns!!
without milling head you can do classic vertical machining
with the multi angle (MA-25) milling head you can machine many different faces

MA-25 2-axis milling head - 30 kW - 2000 rpm - 1500 Nm torque
> C-axis range: 0-360° - 2.5°
> A-axis range: +/- 110° - 2.5°
Cooling by spindle 40 bar
Total power: 67 kW
No foundation needed!

Johnford DMC Series double-column moving table bridge mill is created from a one-piece Meehanite cast iron bridge/column assembly that reportedly takes up 30 percent less floor space than comparable C-frame vertical machining centers. Available in both moving table and sliding column (fixed-table) versions, ranging from 36- x 36- x 30-inches of travel up to 60-ft. x 20-ft., the bridge mills have a long base casting with complete support of the table over the full 51 inches of Y-axis travel, allowing massive loads to be machined.

The Y and Z axes hold fixed loads at all times while the X-axis carries the only dynamic load allowing for tight machining and tight tolerances during high-speed machining operations. Because there is no table overhang, X-axis pitch and yaw are eliminated. The spindle centerline-to-column distance is minimized offering further rigidity. The machine's heavily ribbed cast iron construction provides long tool life and part surface finish. The combination of twin screw-type conveyors and a caterpillar conveyor ensures complete chip removal with little manual cleaning. Additionally, finite element analysis (FEA) is used to design each bridge mill, simulating the effects of real world conditions, including vibration, heat, fluid flow and other physical impacts.

PRICE

Price on request

Request a quote

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