



Ideal for Large Capacity & High Speed Applications

New!

LX-1500 Vertical Linear Machining Center



The photo shows optional accessories.

Long X-axis Stroke even on Compact Machine

High Feedrate by Linear Motor Drive (X-axis)

- X-axis Stroke : **1,500 mm** (59.05 in.)



Image of work size

High Speed & High Accuracy

- Rapid traverse & Feedrate of XYZ : **50 m / min** (1,968.5 ipm)
- Max. Loading : **1,500 kg** (3,300 lb.)
- Max. Acc. Rapid traverse : **0.6 G (2 times UP*)**
Feedrate : **0.4 G (3 times UP*)**
- Circularity : **3.5 μm** (Feedrate **5 ml/min**)
(0.00013 in.) (196.8 ipm)
- Spindle : **12,000 min⁻¹, BT50, AC30 kW** (40 HP)
- ATC Time : **2.0 sec**

*Comparison with previous model



Linear Motor on X-axis

Efficient Swarf Management

- Unmanned Running even for dry/semi-dry machining (Angled Guards & Spiral Chip Conveyors)

Wide Range of Options

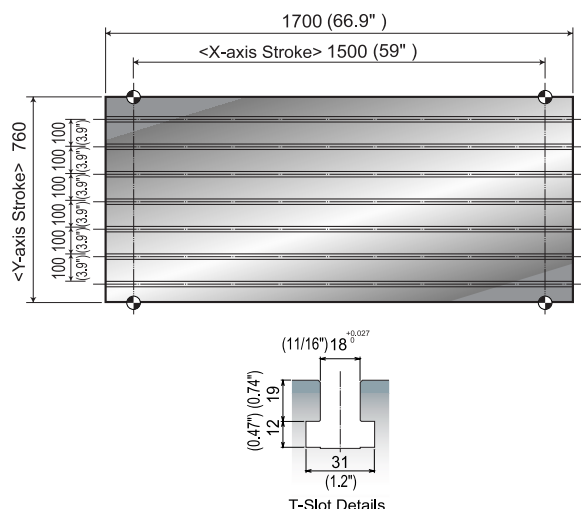
- Spindle / Number of Tools & Pallets / Swarf Management



80-tool Magazine (option)

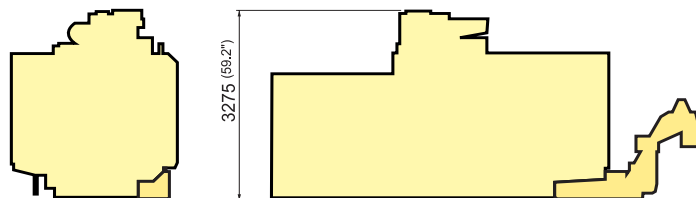
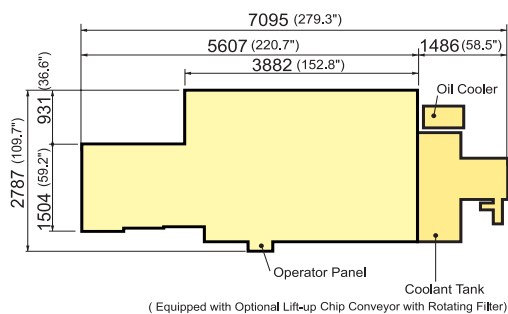
LX-1500 Table & Outline

Table



Outline

Figures show in the specification of BT40 & 80 tool ATC.
The dimensions of width & height slightly change by its specifications.



LX-1500 Options

Spindle Speed	:(BT40)	12,000 min ⁻¹ / 20,000 min ⁻¹ / 30,000 min ⁻¹
	:(BT50)	8,000 min ⁻¹
No. of Tools	:(BT40)	40, 80, 120~240
	:(BT50)	120~240

Please consult Matsuura about optional equipment.

LX-1500 Specification

Travel	
X-axis	1,500 mm (59.05 in.)
Y-axis	760 mm (29.92 in.)
Z-axis	610 mm (24.01 in.)
Table	
Working Surface	1,700 x 760 mm (66.92 x 29.92 in.)
Loading Capacity	1,500 kg (3,300 lb.)
Spindle (BT50)	
Speed Range	45 ~ 12,000 min ⁻¹
Bearing Inner Diameter	ø100 mm (ø3.93 in.)
Bearing Lubrication	Oil-air
Motor Power(short time/cont. rating)	26 / 30 kW (40HP)
Motor Torque	451 Nm / 550 min ⁻¹
FEEDRATE	
Rapid Traverse & Feedrate :X/Y/Z	50,000 mm/min (1,968.5 ipm)
Rapid Acceleration	0.6 G
Feedrate Acceleration	0.4 G
AUTOMATIC TOOL CHANGER * Please consult Matsuura when you requiring bigger size.	
Type of Tool Shank	JIS B 6339 tool shank 50T
Type of Retention Knob	JIS B 6339 pullstud 50P
Tool Storage Capacity	40 : Chain Pot Type
Max. Tool Diameter *	125 mm(4.9 in.) <small>When the pockets on both side are empty</small> 240mm(9.4 in.)
Max. Tool Length *	400 mm (15.74 in.)
Max. Tool Mass	20 kg (44 lb.)
Tool Change Time :Chip to Chip	2.0 sec
NC CONTROL	
Control System	Matsuura G-Tech 30i
ACCESSORIES	
<input type="checkbox"/>	Totally Enclosure guard plus Ceiling
<input type="checkbox"/>	Door Interlock System (Operator Door:Only Switch)
<input type="checkbox"/>	ATC Auto Door
<input type="checkbox"/>	Synchronised Tapping
<input type="checkbox"/>	AD-TAP (Matsuura's High Speed Tapping Function)
<input type="checkbox"/>	IPC (Matsuura's Software for Control of High Speed, High Precision Cutting)
<input type="checkbox"/>	Air Drier
<input type="checkbox"/>	Spindle Oil Cooler
<input type="checkbox"/>	Coolant Unit
<input type="checkbox"/>	Spiral Chip Conveyor (Left & Right Side)
<input type="checkbox"/>	Spindle Overload Protection
<input type="checkbox"/>	M Code Counter
<input type="checkbox"/>	Work Light
<input type="checkbox"/>	Mechanical Tools & Tool Box
<input type="checkbox"/>	Machine Color Paint
<input type="checkbox"/>	Levelling Pads & Bolts (not the Foundation Pads)
<input type="checkbox"/>	X-axis Scale Feed Back (HEIDENHAIN:Abusolute)
<input type="checkbox"/>	Handy Man IIF (Matsuura's Software for Easy - Setup / Programming / Operation Support / Maintenance)



http://www.matsuura.co.jp/
E-mail:webmaster@matsuura.co.jp

ISO9001 ISO14001 OHSAS18001

MATSUURA MACHINERY CORPORATION

1-1 Urushihara-cho Fukui City 910-8530 Japan <Tel> +81-(0)776-56-8106 <Fax> +81-(0)776-56-8151

MATSUURA EUROPE GmbH (www.matsuura.de)

Otto-Von-Guericke-Ring 10a 65205 Wiesbaden-Nordenstadt Germany <Tel> +49-(0) 6122-7803-80 <Fax> +49-(0) 6122-7803-33

MATSUURA MACHINERY GmbH

Otto-Von-Guericke-Ring 10a 65205 Wiesbaden-Nordenstadt Germany <Tel> +49-(0) 6122-7803-0 <Fax> +49-(0) 6122-7803-33

MATSUURA MACHINERY PLC (www.matsuura.co.uk)

Beaumont Centre Whitwick Business Park, Coalville Leicestershire LE67 4NH England <Tel> +44-(0) 1530 511400 <Fax> +44-(0) 1530 511456

ELLIOTT MATSUURA CANADA INC. (www.elliottmachinery.com)

2120 Buckingham Road Oakville Ontario L6H 5X2 <Tel> +1-(0)905 829 2211 <Fax> +1-(0)905 829 5600

MMTS CORPORATION

65 Union Avenue, Suite2, Sudbury Massachusetts 01776 U.S.A. <Tel> +1-(0)978-443-5388 <Fax> +1-(0)978-443-9524

Product specifications and dimensions are subject to change without prior notice.

The photos may show optional accessories.

Products are subject to all applicable export control laws and regulations.

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