



Ideal for Large Capacity & High Speed Applications

Vertical Linear Machining Center
LX-1500



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.)
- Spindle : **12,000 min⁻¹, BT50, AC30 kW** (40 HP)
- ATC Time : **2.0 sec**



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

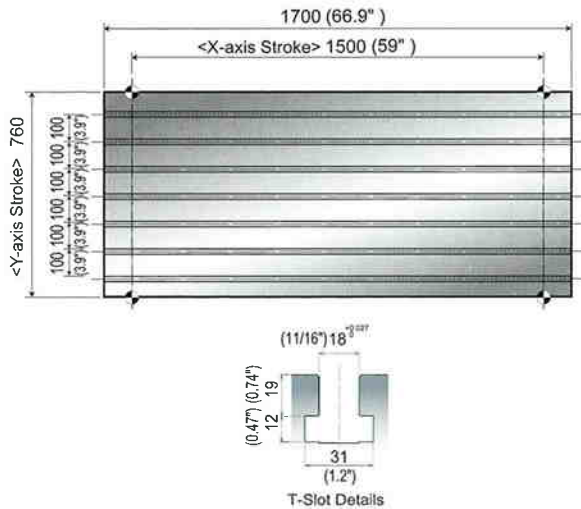
- Spindle / Number of Tools & Pallets / Swarf Management



80-tool Magazine (option)

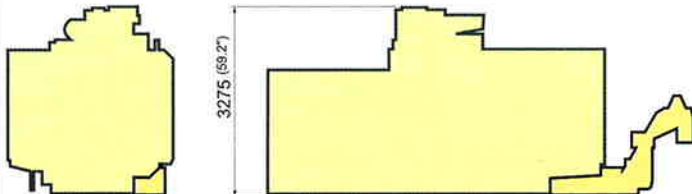
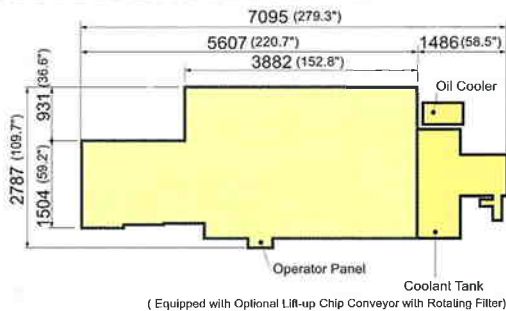
LX-1500 Table & Outline

Table



Outline

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



LX-1500 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 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)
----------------------------------	-----------------------------

AUTOMATIC TOOL CHANGER

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 :Tool to Tool	2.0 sec

NC CONTROL

Control System	Matsura G-Tech 30i
----------------	--------------------

ACCESSORIES

- Totaly Enclosure guard plus Ceiling
- Door Interlock System (Operator Door:Only Switch)
- ATC Auto Door
- Synchronised Tapping
- AD-TAP (Matsura's High Speed Tapping Function)
- IPC (Matsura's Software for Control of High Speed, High Precision Cutting)
- Air Drier
- Spindle Oil Cooler
- Coolant Unit
- Spiral Chip Conveyor (Left & Right Side)
- Spindle Overload Protection
- M Code Counter
- Work Light
- Mechanical Tools & Tool Box
- Machine Color Paint
- Levelling Pads & Bolts (not the Foundation Pads)
- X-axis Scale Feed Back (HEIDENHAIN:Abusolute)
- Handy Man IIF (Matsura's Software for Easy - Setup / Programming / Operation Support / Maintenance)

* Please consult Matsura when you requiring bigger size.

LX-1500 Options

Spindle Speed	:(BT40)	12,000 min ⁻¹ / 20,000 min ⁻¹ / 30,000 min ⁻¹
	:(BT50)	8,000 min ⁻¹ / 15,000 min ⁻¹
No. of Tools	:(BT40)	40, 80, 120~240
	:(BT50)	120~240

Please consult Matsura about optional equipment.



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

ISO9001 ISO14001 OHSAS18001

MATSURA MACHINERY CORPORATION

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

MATSURA EUROPE GmbH (www.matsura.de)

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

MATSURA MACHINERY GmbH

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

MATSURA MACHINERY PLC (www.matsura.co.uk)

Beaumont Centre Whitwick Business Park, Coalville Leicestershire LE67 4NH England <Tel> +44-1530-511-400 <Fax> +44-1530-511-440

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

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

MMTS CORPORATION

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