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Dealer



2021.A



LG series

LG-760

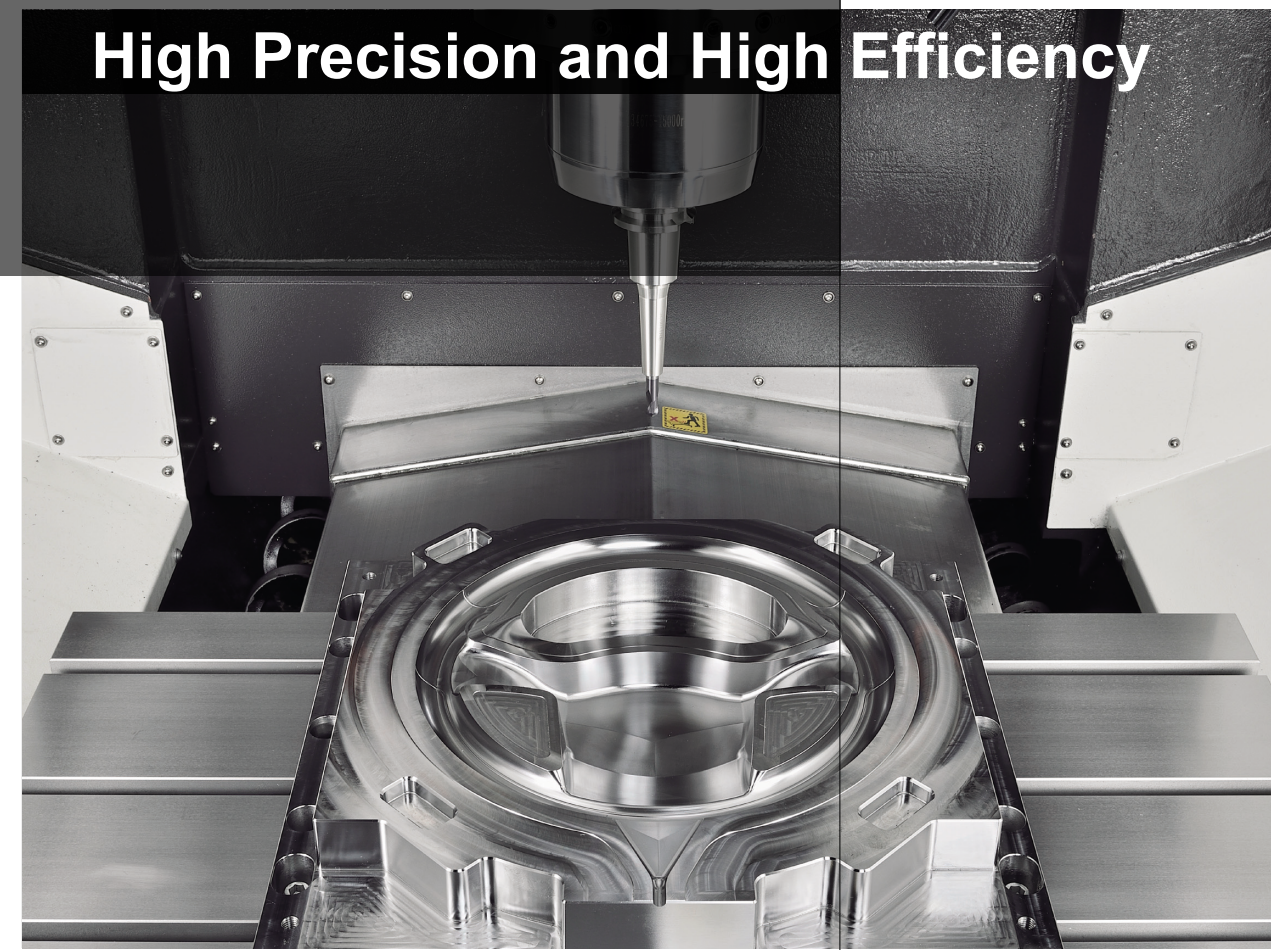
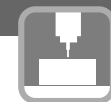
LG-1000

LG-1500

LG-1800



Vertical machining center



LITZ HITECH CORP.

LITZ Precision Machinery (Jiaxing) Co., Ltd.

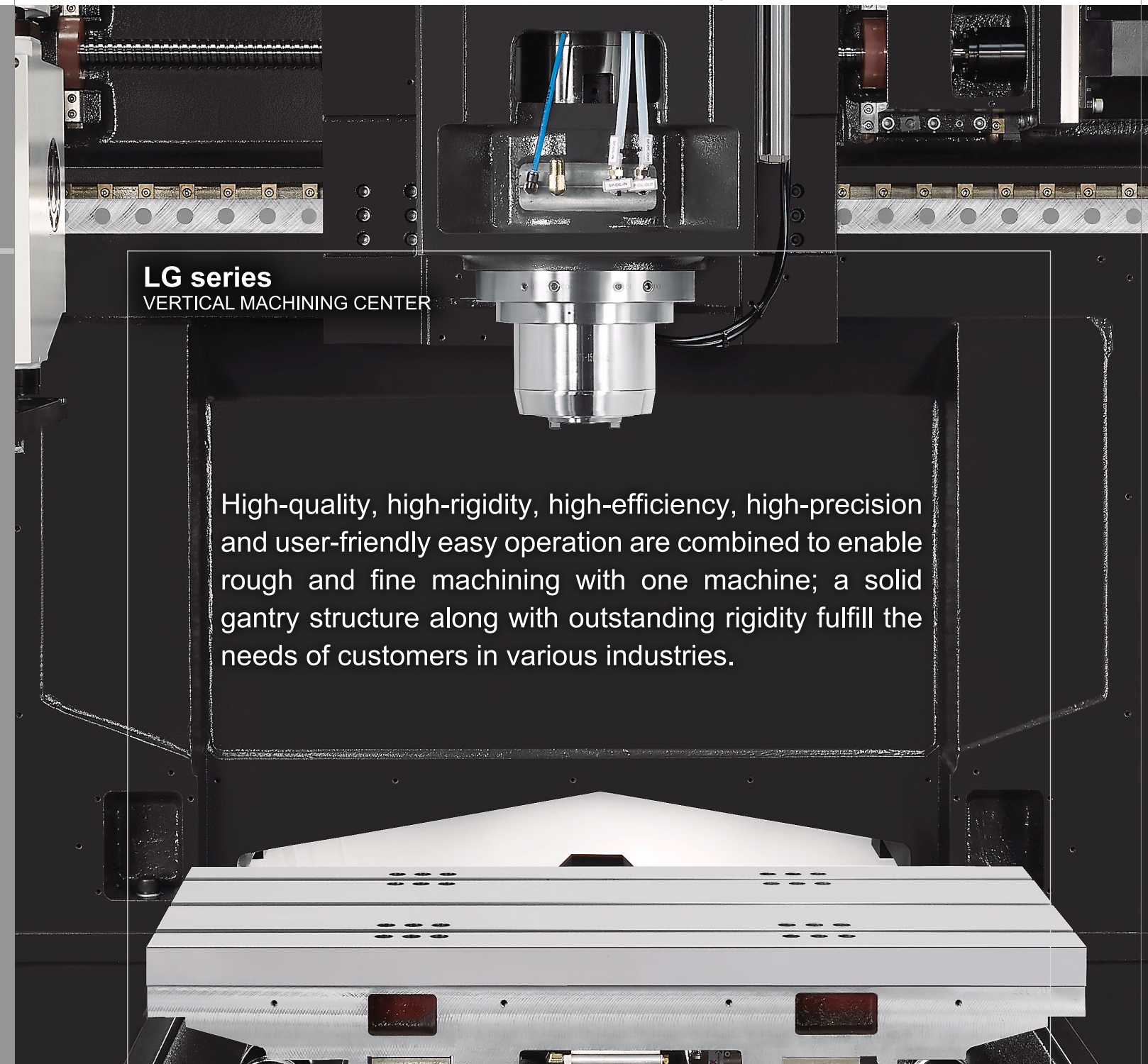
High Performance Machining Tool

LG series LG-760 Contents

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New Generation Gantry Structure



High-quality, high-rigidity, high-efficiency, high-precision and user-friendly easy operation are combined to enable rough and fine machining with one machine; a solid gantry structure along with outstanding rigidity fulfill the needs of customers in various industries.

High Accuracy and Effective Temperature Stability

Total cooling to ensure high precision over long operating hours - feeder driving system for better machining accuracy.

Constant high precision through comprehensive cooling measures along with a temperature compensation system can stabilize thermal displacement and improve precision of parts.

Thermal Stability Cooling Methods

Excellent Temperature Stability:

- Transmission ballscrews with cooling system
- Heat insulated back plate of electrical cabinet
- Sensor based spindle thermal compensation system
- Spindle and three-axis motor adjustment board for cooling and heat insulation
- Coolant cooling system
- Spindle cooling system



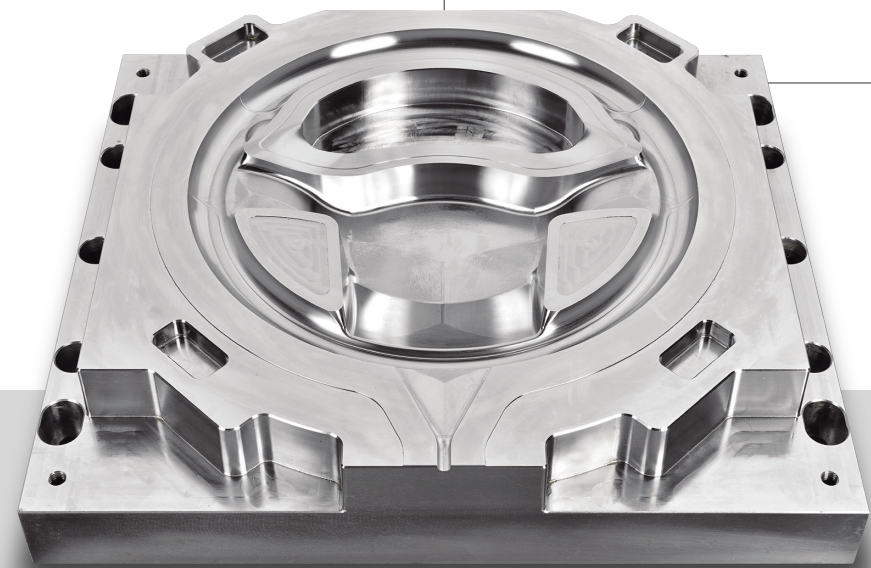
High Efficient Chip Removal System

- Two chip auger design can easily convey chips and coolant all the way to the back.
- Rear coolant tank equipped with chain type chip conveyor for easier clean.
- All pumps and filtration systems are behind the machine for easier clean and maintenance.

High-performance Machining

Empower Your Success

- Best surface quality
- High precision
- High-performance material cutting
- High efficiency
- High benefits



Vehicle Steering Wheel Mold

Technical Highlights

Your Correct Choice

- MEEHANITE castings enhanced machine stability
- Thermal stable bed
- Stable high-performance CNC system
- High-performance spindle system
- Ergonomic accessibility
- Easy to automate



Stable Precision

Sustainable stability and high rigidity, high precision remains even when performing hard surface milling; a symmetrical gantry structure design and the excellent thermal stability of artificial marble ensures high precision.

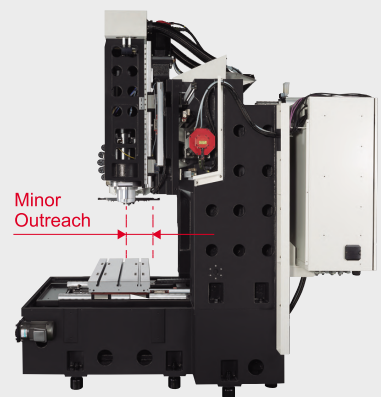
High Rigidity Machine Structure

The dynamic rigidity design possessed by the high-strength gantry structure solution is ideal for molds, stamping dies, and parts that require high surface quality, extremely high positioning accuracy, and contour accuracy.

High-speed, Powerful, Long-life Spindle

(Direct connect spindle and internal spindle)

Wide Machining Scope



LG-760

Bench Dimensions : 1000 x 460mm

Machining Scope : 760+60 x 460 x 460mm
(X) (Y) (Z)

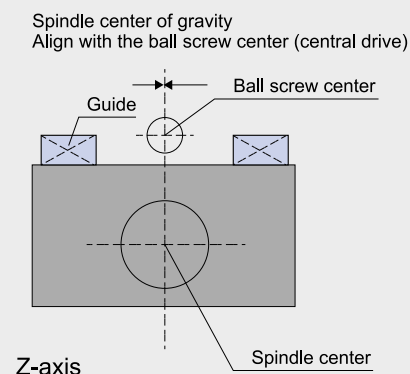
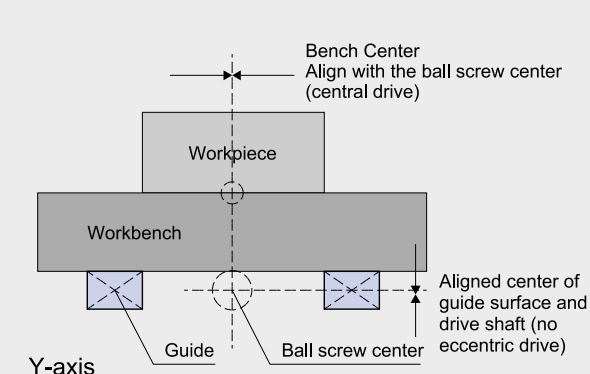
LG-1000

Bench Dimensions : 1,300 x 560mm

Machining Scope : 1,050+200 x 560 x 460mm
(X) (Y) (Z)

Minor outreach design for better and more efficient machining.

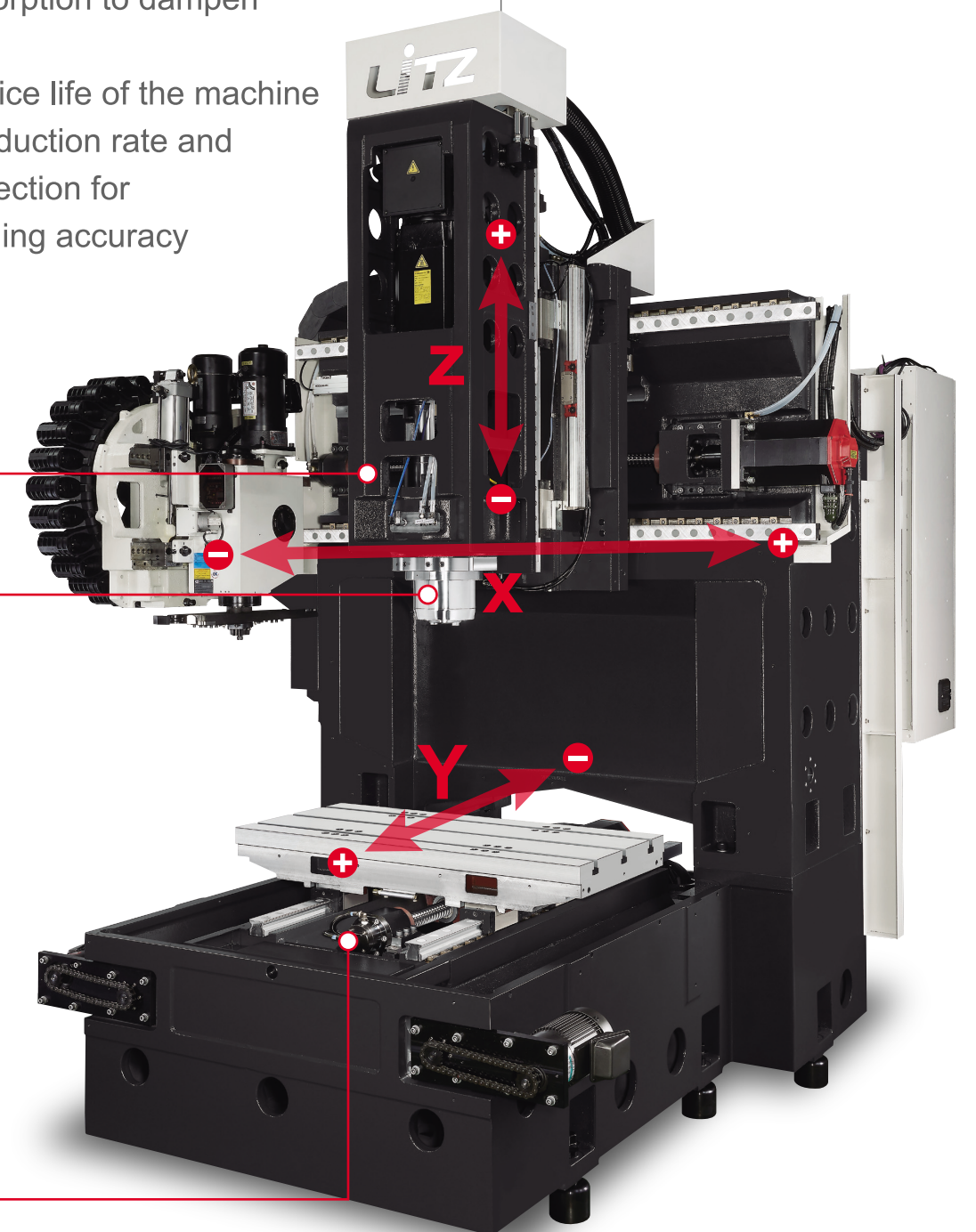
No Eccentric Center Drive



High Rigidity Structure

Benefits of Mineral Castings

- Improved dynamic machining performance
- Guaranteed machining repeatability and positioning accuracy
- Good shock absorption to dampen cutting vibration
- Extends the service life of the machine
- Low thermal conduction rate and temperature deflection for improved machining accuracy



Green Technology Go Green

Go Green Focus on Environmental Protection and Green Technology

LITZ respects the earth and nature with a mindset of gratitude and humility. This nurtures its proud corporate culture of heavy investment in meeting demanding environmental protection requirements. LITZ won ISO 14001 environmental standard certification for its products in 1999. It makes green products through green processes. LITZ fulfills its promises of "respecting the earth" by not only employing components that are almost always "recyclable and renewable" but also maximizing the use of metal packaging materials rather than wooden ones.

Green Technology: green building, manufacturing, products
Committed To: energy recovery, energy saving, carbon reduction, renewable energy



Employed Mineral Casting Materials

- Environmentally friendly
- Crushable
- Recyclable

Employed Iron Packaging Materials

- Repeated use
- Recyclable

Spindle cooling unit motor OFF

Internal lighting turned off

Chip removal system motor stops



Auto screen on/off

Employs grease lubrication

Chip cleaning stops once cutting fluid has stopped

Earth Friendly Energy-saving Machine

Balance Effective Use of Limited Resources and Environmental Protection

The LG Series machine employs multiple energy saving designs for environment protection.

To Improve Energy Saving

- The standard configuration comes with auto on/off internal lighting.
- The chip remover stops once the auto operation program has ended.
- The heat exchanger remains inactive when the temperature in the electric box is lower than the given settings.
- Employs LED lighting.
- The work light turns off once the working door is closed.
- The oil mist recovery system employs M code for startup control (M08/M09).
- Features auto power off.

Based on an Environmental Protection Perspective

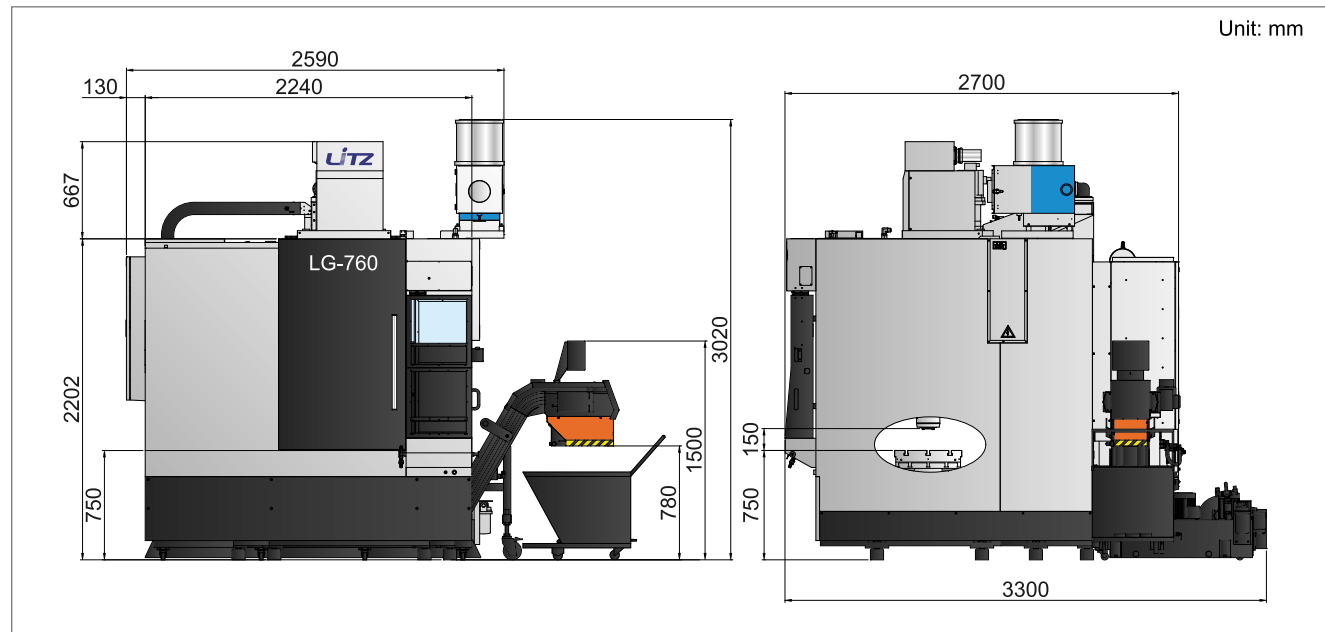
- Employs an oil mist recovery system.
- Lubrication oiling stops once the stroke axis has stopped.
- Fully sheet metal enclosed body design reduces noise and oil mist diffusion.
- Direct connect transmission design to cut noise and kinetic energy losses.
- Delivery in recyclable iron pallet to save trees.
- Employs a grease lubrication system.

Delivery in Iron Pallet and Container

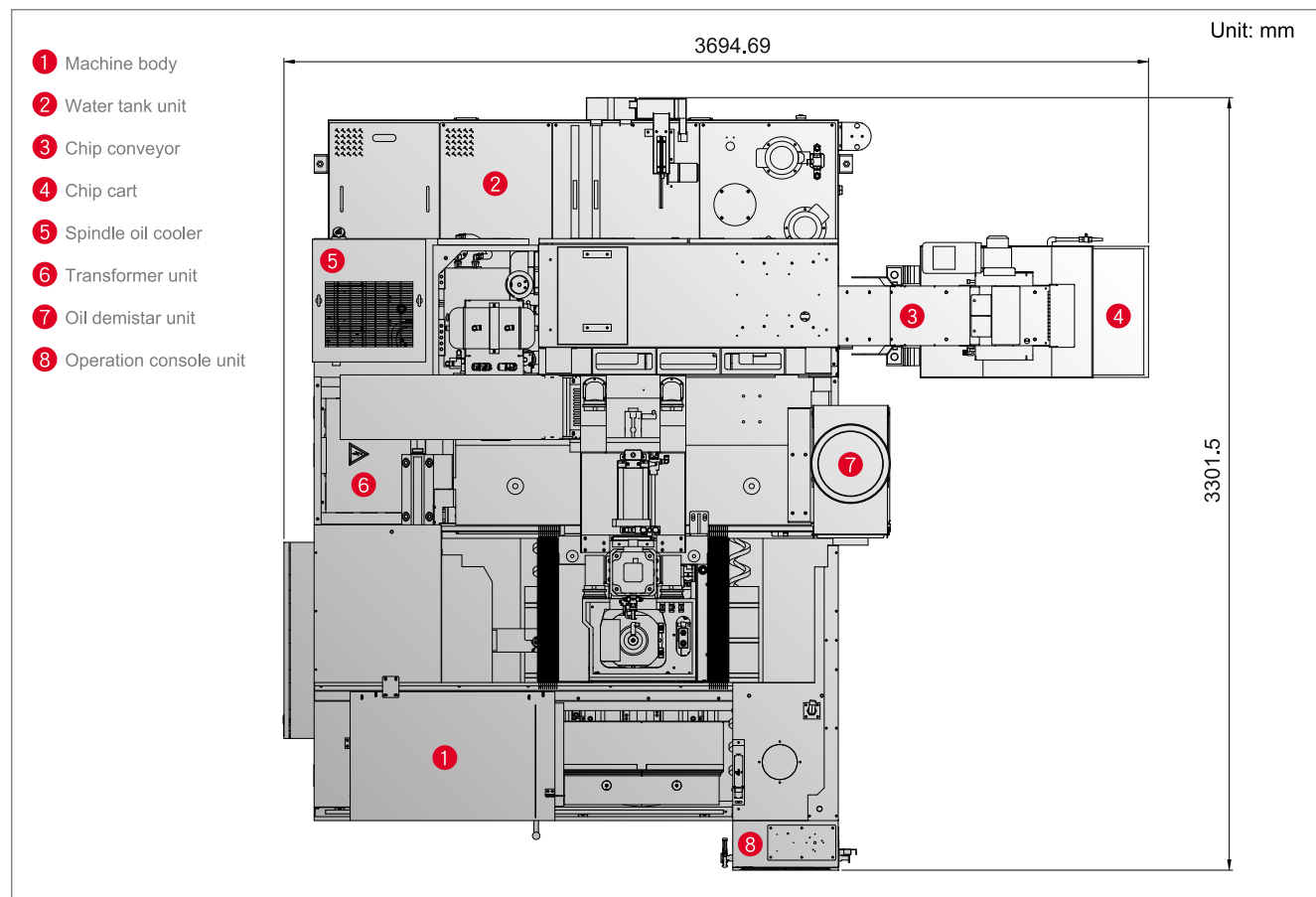


Machine Dimensions / Installation Diagrams

Layout Diagram

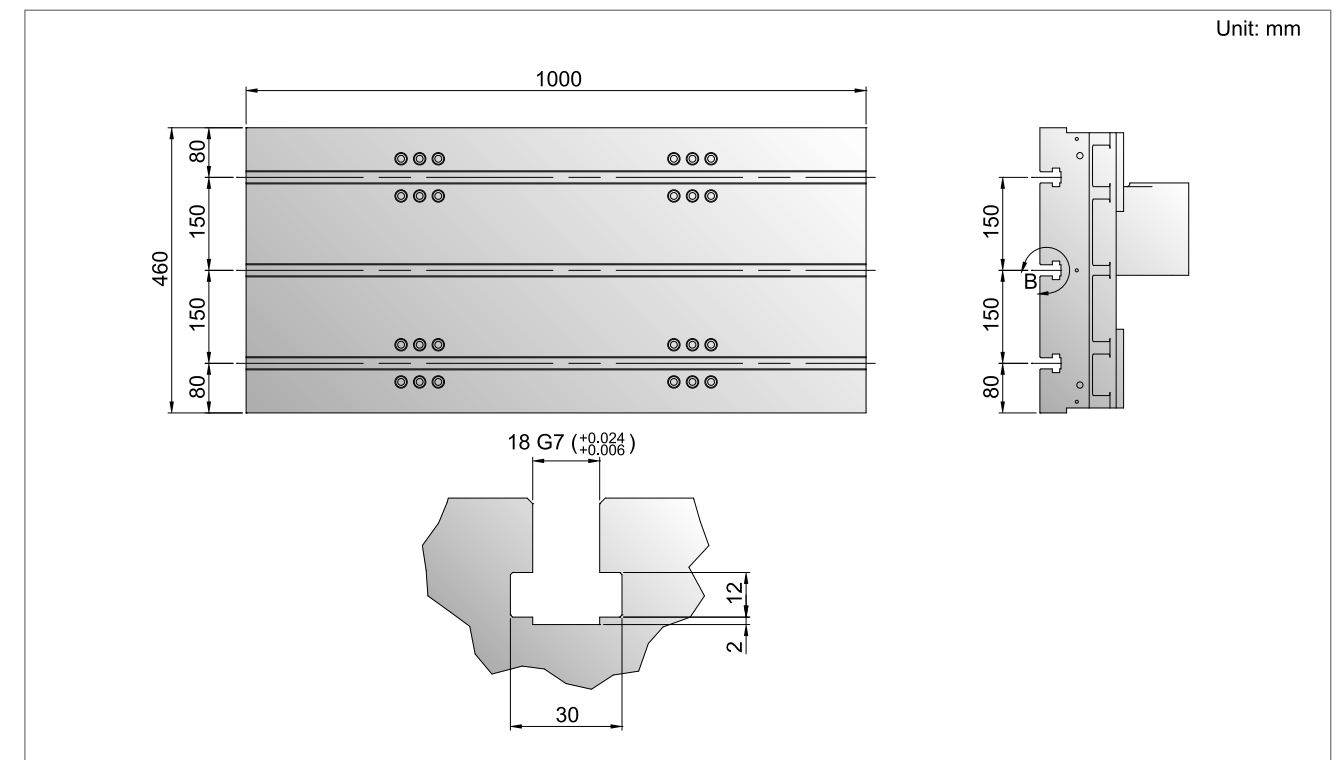


Installation Diagram

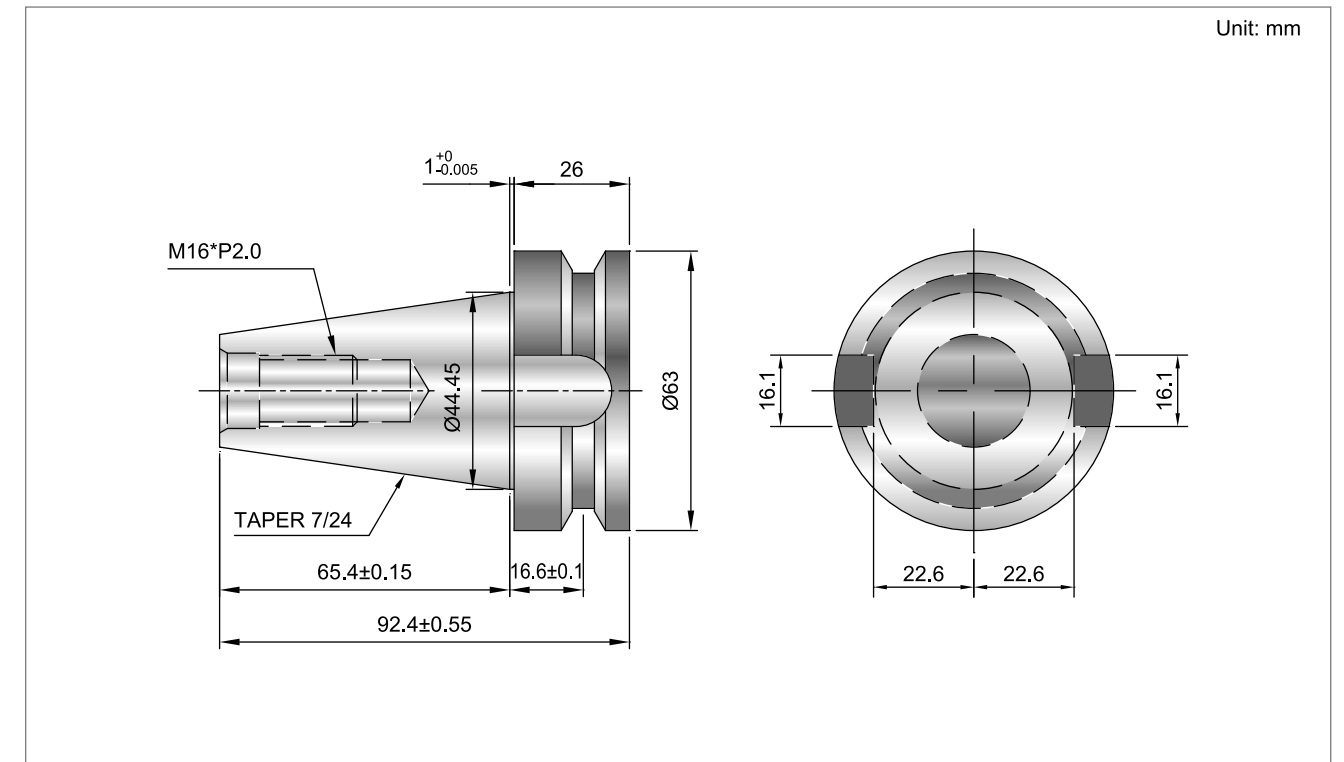


Worktable / Tool Dimensions Diagrams

Worktable Dimensions



BBT-40 Tool Dimensions Diagram



Mechanical Specifications

| | Items | Unit | LG-760 |
|--------------------------------|------------------------------------|--------------------|-------------|
| Travel | X axis travel + tool change travel | mm | 760+60 |
| | Y-axis travel | mm | 460 |
| | Z axis travel | mm | 460 |
| Spindle | Spindle speed | rpm | 15000 |
| Rapid speed | X-axis rapid speed | m/min | 36 |
| | Y-axis rapid speed | m/min | 36 |
| | Z axis rapid speed | m/min | 36 |
| Automatic Tool Exchange System | Number of tools | pcs | 24T |
| | Maximum tool diameter | mm | 75/125 |
| | Maximum tool length | mm | 300 |
| | Maximum tool weight | kg | 7 |
| | Tool exchange method | | Arm |
| | Tool type | | BBT-40 |
| Motor | Spindle motor | kw | 15/18.5/22 |
| | X/Y/Z-axis motor | kw | 3.5/3.5/3.5 |
| Table | Table size | mm | 1000x460 |
| | Table load capacity | kg | 700 |
| | T-slot | | 3*W18*P150 |
| Controller | FANCU | | OiMF |
| Other Specifications | Machine weight | kg | 8000 |
| | Power requirement | KVA | 25 |
| | Coolant tank capacity | L | 350 |
| | Air pressure requirement | kg/cm ³ | 6 |

Standard Configuration and Optional Functions

● Standard equipment ○ Optional equipment ★ (please call for details)

Spindle

Spindle speed 15000 RPM (direct drive) ●

Spindle speed 20000 RPM (motor spindle) ○

Spindle oil cooler ●

Coolant through the spindle system (CTS) ○

Cooling System

Programmable air blowing system outside the ●

Spindle internal ring spray ●

Wash down device ○

Cutting fluid cooling system ○

Chip Removal System

Chip conveyor ★●

Chip flushing device ●

Coolant tank filter system ○

Oil-water Separator

Disc-type oil-water separator ●

ATC System

Automatic tool changing mechanism (ATC) ●

Tool specifications: BBT-40 ●

Tool specifications: HSK63A ○

Arm type tool magazine 24T ●

Arm type tool magazine 32T ○

Measurement System

Tool length measurement system ○

Workpiece measurement system ○

3-Axes Transmission System

Coolant thru ballscrew ●

Spindle and three-axis motor plate cooling ●

3-axes linear scale ○

Three axis roller guide ●

Controller

Mitsubishi M830 ○

Fanuc 0i-F PLUS ●

Siemens 840D ○

Electrical Parts

Working lamp ●

Alarm indicator ●

M30 auto power off system ●

Electric cabinet cooling system ○

Others

Oil demister system ○

4th Axis (rotating table) ○

Rotary Window ○

Thermal Compensation ○

Showroom Center and Technical Support



Business and Service Locations Around the World



Showroom Centers are aimed at providing high-quality, fast, comprehensive, and professional top grade services for customers in neighboring areas. They fulfill the business vision of LITZ—"LITZ, your life long good partner"—by satisfying each and every customer's needs, including spare parts provision and maintenance, training, machining demo, process solution preparation, and information sharing.

Trustworthy
During the usage of LITZ machines, we provide great service and rapid spare parts supply, to assure the machine is in good condition.



Showroom Centers

- Planned 5S Centers
- Established 5S Centers



5S Stores Around the Country
(Sales, Service, Showcase, Service and Spare Parts, Technical Support)

LITZ Machinery provides demonstrations and services within an arm's length.

The marketing system from LITZ Showcase Center reflects LITZ's commitment to customer service. The well-established, fast and professional technical support, along with adequate equipment supply and well-organized training systems assure excellent machine operation. This is the priority concern for the majority of our machine customers.

The concept of the LITZ Showcase Center is to create a close relationship among the machine manufacturers, machine dealers, and customers. In addition to showing the latest products from LITZ, the center is also equipped with a CNC training workshop and spare parts warehouse. The professional technical teams provide training, maintenance, accessories and sales to our customers to achieve a comprehensive and thoughtful one-stop service.

Nation-wide Sales and Service System

- Business and Service Center
- Warehouse for spare parts
- Technical Showcase Center (5S Offices)
- Production Factory



Jiaxing LITZ



Taiwan LITZ

