





LG-600

LG-1000

LG-1400

LG-1800



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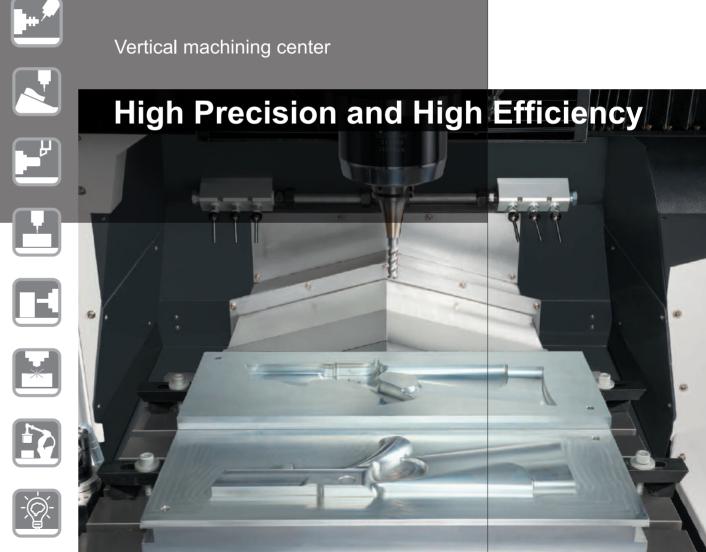
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Please visit the website for more information.





LITZ HITECH CORP.

LITZ Precision Machinery (Jiaxing) Co., Ltd.

High Performance Machining Tool



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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 coarse and fine machining with one machine; a solid gantry structure along with outstanding rigidity fulfill the needs of customers in various industries.

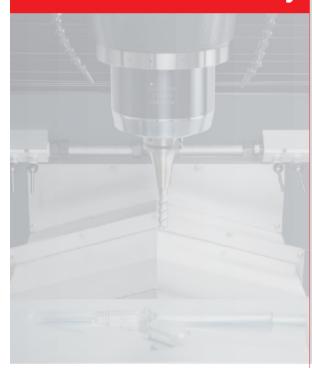


High Accuracy and Effective Temperature Stability

Total cooling to ensure high precision over long operating hours – cool 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
- Cooled linear guide
- 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-performance Machining

Empower Your Success

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



Bottle Mold Core



Technical Highlights

Your Correct Choice

- Artificial marble bed to ensure optimal vibration absorption
- 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.

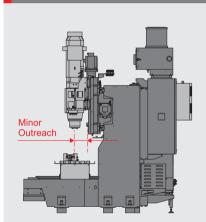
High Rigidity Machine Structure

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-600

Bench Dimensions: 750 x 450mm

Machining Scope: 600+200 x 470 x 350mm

(X) (Y) (Z)

LG-1000

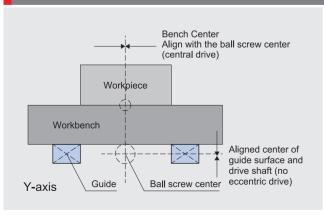
Bench Dimensions: 1.300 x 560mm

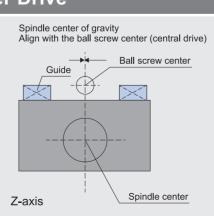
Machining Scope : 1,050+200 x 560 x 460mm

(Y) (Z)

Minor outreach design for better and more efficient machining.

No Eccentric Center Drive

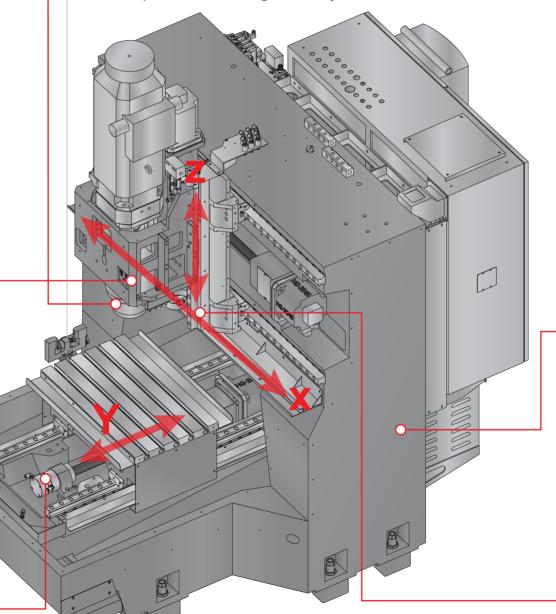


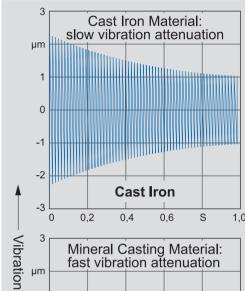


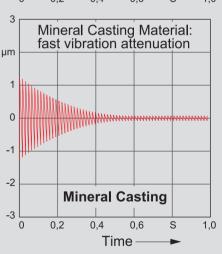
High Rigidity Structure

Benefits of Mineral Castings

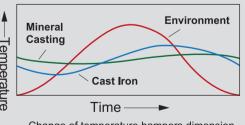
- Constant rigid mineral casting base
- Improved dynamic machining performance
- Guaranteed machining repeatability and positioning accuracy
- Good shock absorption to dampen cutting vibration
- Extends the service life of the machine
- Low thermal conduction rate and temperature deflection for improved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





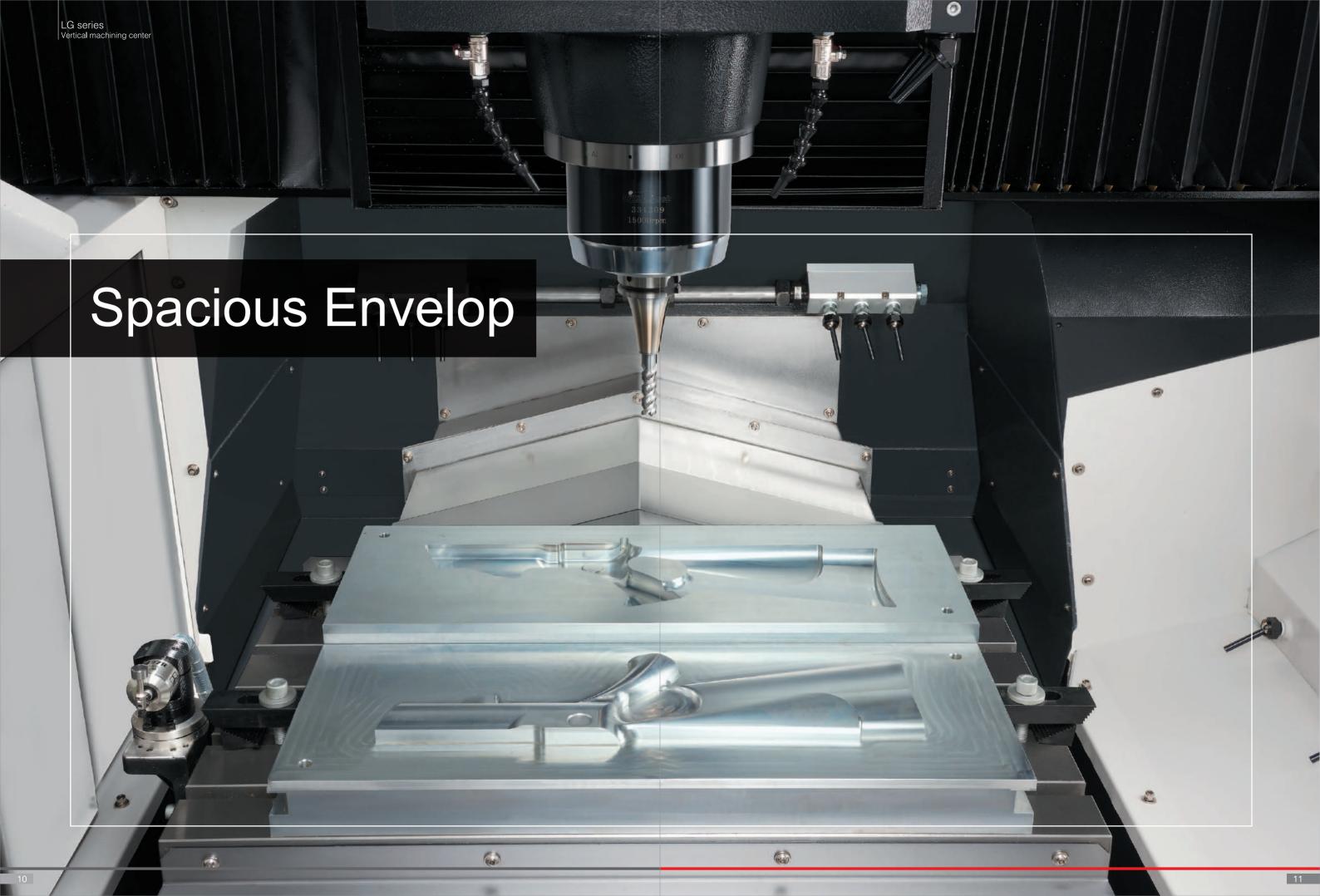


Vibration absorption of mineral castings signifies when dynamic and large loads are applied to the machine.



Change of temperature hampers dimension accuracy of the machine in almost every aspect and may result in high precision.

Ball screw bearing housing and main body integrated structure



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

- Crushable
- Recyclable

Employed Iron Packaging Materials

- Repeated use
- Recyclable



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
- 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.

Casting Materials

- Environmentally friendly



Auto screen on/off

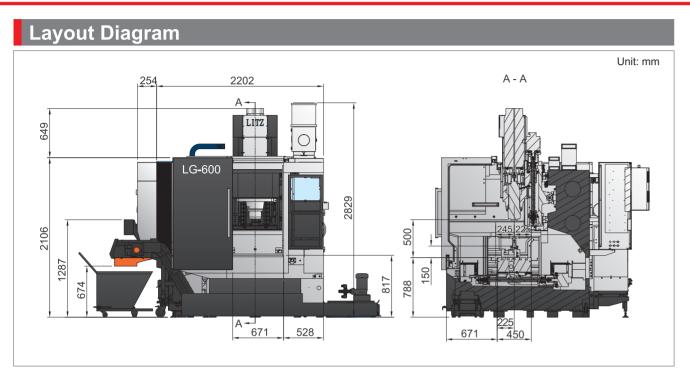
Employs grease lubrication

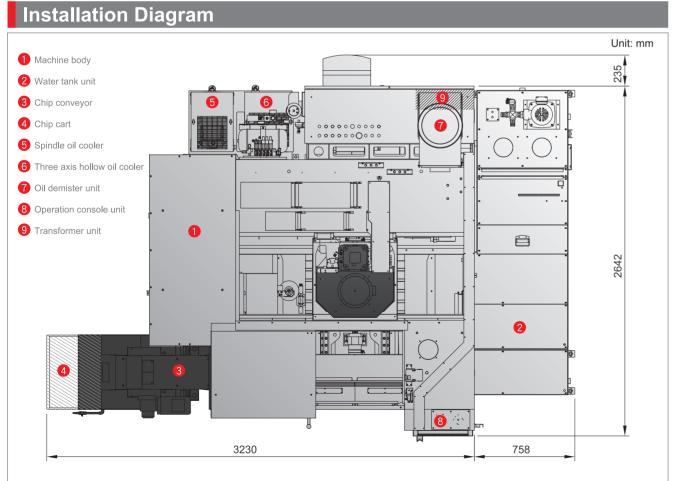
Chip cleaning stops once cutting fluid has stopped

Delivery in Iron Pallet and Container

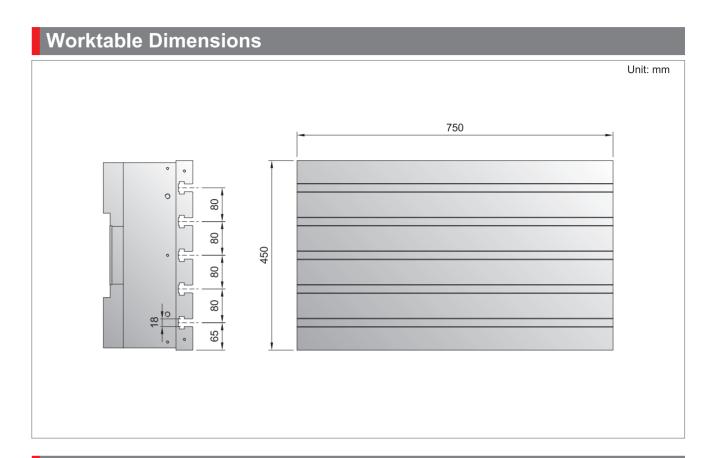


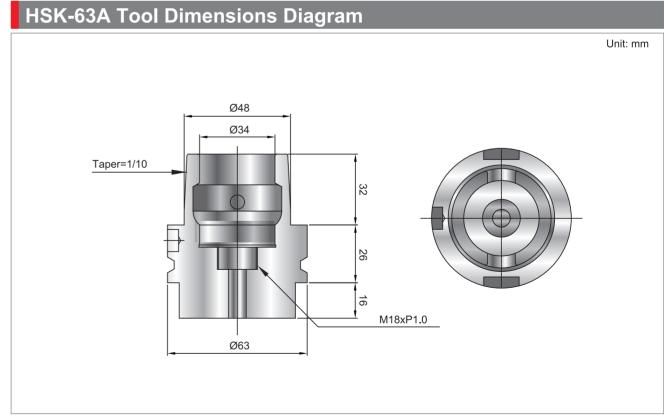
Machine Dimensions / Installation Diagrams





Worktable / Tool Dimensions Diagrams





Mechanical Specifications

	Items	Unit	LG-600
Travel	X axis travel + tool change travel	mm	600+200
	Y-axis travel	mm	470
	Z axis travel	mm	350
Spindle	Spindle speed	rpm	15000
Rapid speed	X-axis rapid speed	m/min	30
	Y-axis rapid speed	m/min	30
	Z axis rapid speed	m/min	24
Automatic Tool Exchange System	Number of tools	pcs	24T
	Maximum tool diameter	mm	75/150(24T)75/127(32T)
	Maximum tool length	mm	300
	Maximum tool weight	kg	7
	Tool exchange method		Arm
	Tool type		HSK63A
Motor	Spindle motor	kw	15/18.5/22
	X/Y/Z-axis motor	kw	3.5/3.5/3.5
Table	Table size	mm	750x450
	Table load capacity	kg	500
Controller	Mitsubishi		M830
Other Specifications	Machine weight	kg	7970
	Power requirement	KVA	25
	Coolant tank capacity	L	340
	Air pressure requirement	kg/cm³	6

Standard Configuration and Optional Functions

Spindle		3-Axes Transmission System		
Spindle speed 15000 RPM (direct drive)		Coolant thru ballscrew		
Spindle speed 20000 RPM (motor spindle)		Spindle and three-axis motor plate cooling		
Spindle oil cooler		3-axes linear scale		
Coolant through the spindle system (CTS)		Three axis roller guide		
Spindle oil-air lubrication (for high-speed cutting)	0			
		Controller		
Cooling System		Mitsubishi M830		
Programmable air blowing system outside the		Siemens 840D		
Spindle internal ring spray		FANUC31i-B		
Cutting fluid cooling system	0			
		Electrical Parts		
Chip Removal System		Working lamp		
Chip conveyor	*•	Alarm indicator		
Chip flushing device	•	Spotlight lighting		
Coolant tank filter system	•	M30 auto power off system		
		Electric cabinet cooling system		
Measurement System				
Infrared tool break detector	0	Others		
Tool length measurement system		Oil demister system		
Workpiece measurement system	0	4th/5th axis (rotary axis)		
Oil-water Separator				
Disc-type oil-water separator	•			
ATC System				
Automatic tool changing mechanism (ATC)	•			
Tool specifications HSK63A	•			
Arm type tool magazine 24T	•			
Arm type tool magazine 32T	0			

Showroom Center and Technical Support







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

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

