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ONE-STOP METAL FABRICATION SOLUTIONS

FEILKE is an international metal forming automation company. As a subsidiary of the HEMSA Group, *Feilike (FLK Laser)* is designed to provide customers with high-quality, fully automatic solutions globally. It has become a technology-driven innovation enterprise by independently developing many core technologies in the laser industry and combining laser cutting, bending, welding, cladding and automation into one product to greatly improve production efficiency for customers with multiple automatic equipment requirements.





+570 PATENT CERTIFICATIONS



We have obtained CE, ROHS, FDA, ETL, CSA certificates from TÜV, and our quality and safety standards have reached international certifications

CNC MACHINING



High Precision CNC Roll Lathe

Model: FLK-LYCK8463

Maximum rotary diameter of workpiece on the bed: Ø630mm

Maximum workpiece turning length: 3000mm



FLK-LYCK8463 CNC roll lathe is mainly used for the processing of rolls, it also can turn the outer circle of rolls, roll necks, etc., and it can be used for the turning processing of parts similar to rolls. It is suitable for cutting various materials such as cast steel, forged steel, alloy steel, chilled cast iron, nodular cast iron, tungsten carbide roll ring, etc. It is also suitable for processing of large rolls such as special steel, which reduces the cost and improves the efficiency.

Capacity	Maximum rotary diameter of workpiece on the bed	mm	Φ630
	Maximum workpiece turning length	mm	3000
	Distance between two tips	mm	3300
Spindle	Spindle speed change		stepless speed change
	Spindle speed range	r / min	4-285
	Spindle head/spindle bore	mm	A2-15 / Φ130
	Spindle taper hole	No.	Metric: No. 140 (Taper: 1:20)
	Spindle front bearing inner ring diameter	mm	Φ200
	Chuck Specifications		Φ630 four-jaw chuck.
	Maximum spindle output torque	N-m	3700
Feed	X, Z axis rapid traverse speed	m / min	X: 10, Z: 7
	Maximum travel of X and Z axes	mm	X: 425 Z: 3000
	X, Z axis screw diameter / pitch	mm	X : φ63×10 、 Z : φ50×6
Electrical machinery	Spindle motor power	kW	AC30/37
	X, Z axis motor torque	N-m	X, Z: 22, 38
Tool post	Type of tool post / Number of tool		Vertical turret / 4 tool
	Blade to edge size	mm	300
	Turning tool specifications	mm	40 x 40
	Tool post selection method		Proximity, logical turn
Tailstock	Sleeve diameter /travel	mm	Φ220/300
	Bore taper of tips	NO	MT: 6
Accuracy	Positioning accuracy	mm	X:0.0165 Z:0.05
	Repeat Positioning Accuracy	mm	X:0.006 Z:0.013
Else	Machine footprint (L×W)	mm	7430 x 2489
	Power capacity	KVA	60
	Net weight of machine	kg	16000
	CNC system		GSK 980TDi

Applications:

CNC Mill Roll Lathes are used in industries like automobile / motorcycle manufacturing, engineering machinery, aerospace, military, mold, and precision machining, among others.

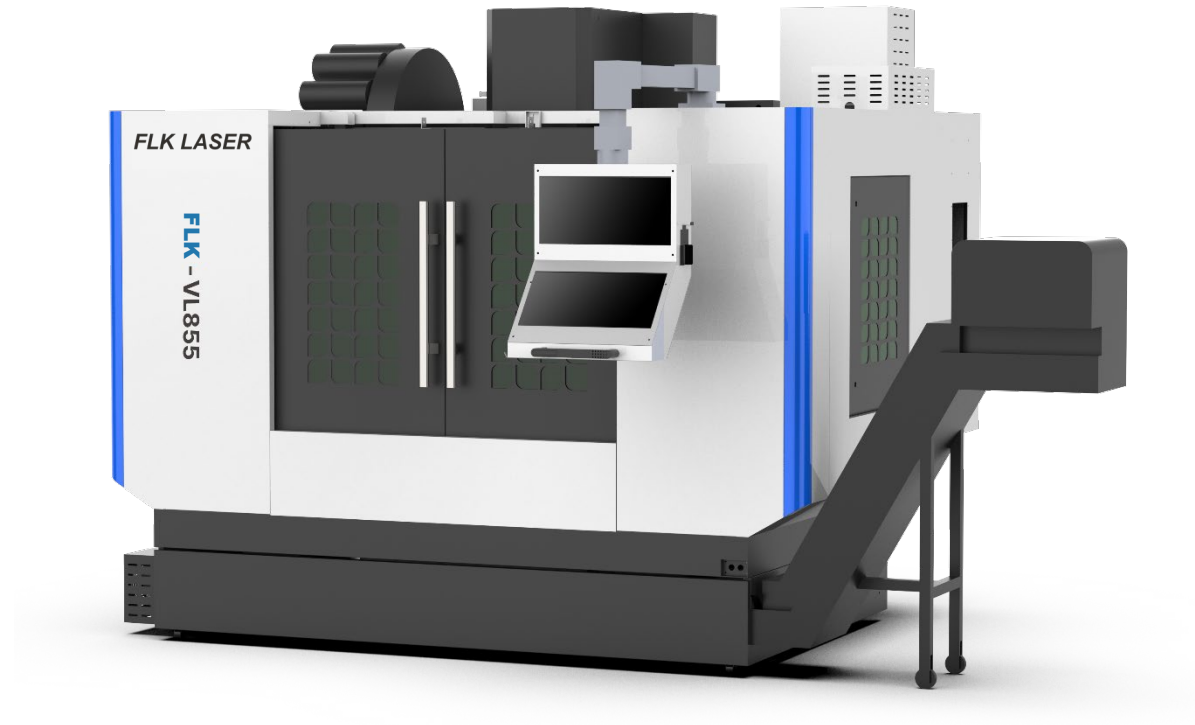


Vertical Machining Center FLK-VL855

Model: FLK-VL855

Working area: 800*550*550mm

Maximum load: 500KG



The vertical machining center is a medium-sized machine tool. The workpiece can automatically and continuously complete milling, drilling, boring, expanding, reaming, countersinking, tapping and other processes after one clamping. The machine tool is suitable for medium-sized boxes. Multi-variety and small batch processing of complex parts such as metal parts, plates, discs, valves and shells.

Item			Specification	Unit
			VL855	
Worktable	Worktable Dimension		1000×550	mm
	Maximum Load		500	Kg
	T-Slot Size		5-18-90	mm
Processing Range	X-Axis Max.Travel		800	mm
	Y-Axis Max.Travel		550	mm
	Z-Axis Max.Travel		550	mm
	Distance From Spindle Nose To Table Surface	Max.	670	mm
		Min.	120	mm
	Distance From Spindle Center To Z-Axis Guideway Surface		590	mm
Spindle	Taper Hole (7:24)		BT40-150	
	Speed Range		8000	r/min
	Spinde Motor Power		7.5	kW
Feed	Rapid Speed	X-Axis	32	m/min
		Y-Axis	32	
		Z-Axis	24	
	Feed Speed		1-10000	mm/min
Tool Changer	Type		Disc	
	Capacity		24T	/
	Tool Change Time		2.5	S
Positioning Accuracy	Accuracy Testing Standard		JISB6336-4: 2000/ GB/T18400.4-2010	
	X/Y/Z Axis		0.008	mm
X/Y/Z Axis Repeated Positioning Accuracy			0.005	mm
Dimension (L×W×H)			2600×2380×2400	mm
Gross Machine Weight Approx.			5300	kg

Applications:

FLK-VL855 CNC Metal Milling Machines are used in industries like automobile, motorcycle, engineering machinery, aerospace, military, mold, and precision machining.

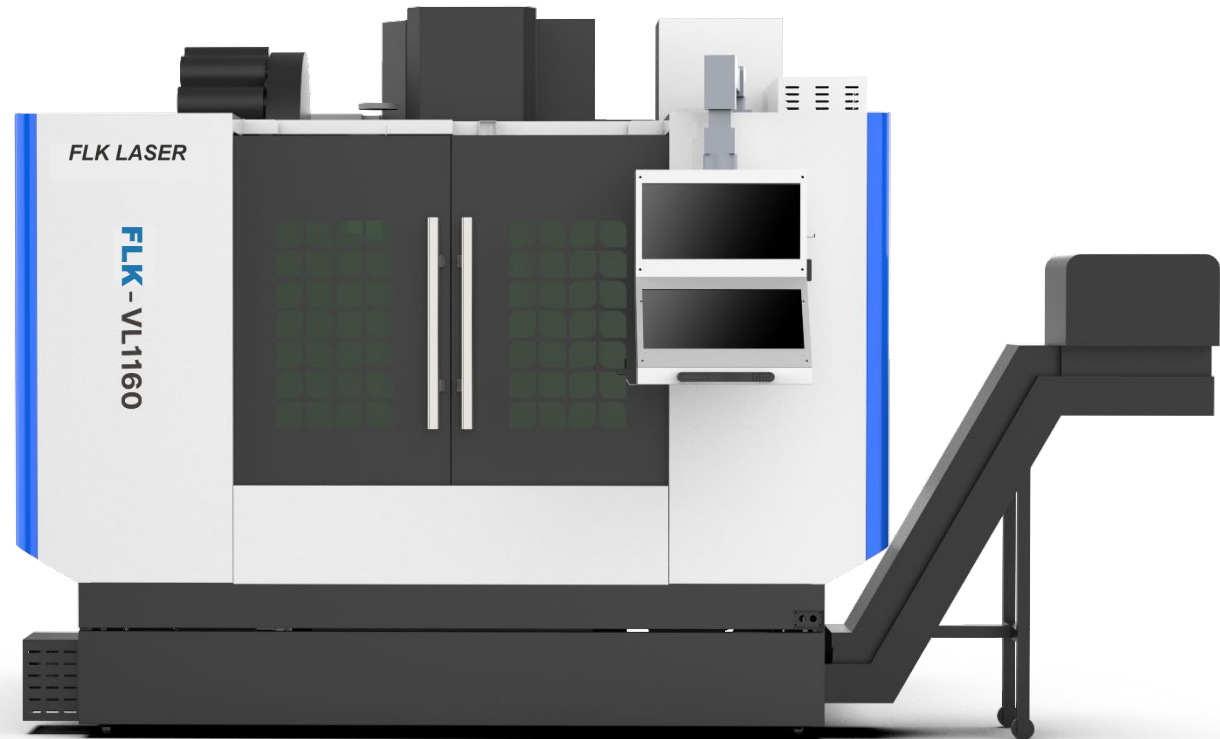


Vertical Machining Center FLK-VL1160

Model: FLK-VL1160

Working area: 1100*600*600mm

Maximum load: 800KG



The vertical machining center is a medium-sized machine tool. The workpiece can automatically and continuously complete milling, drilling, boring, expanding, reaming, countersinking, tapping and other processes after one clamping. The machine tool is suitable for medium-sized boxes. Multi-variety and small batch processing of complex parts such as metal parts, plates, discs, valves and shells.

Item				Specification	Unit
				VL1160	
Worktable	Worktable Dimension			1200×600	mm
	Maximum Load			800	kg
	T-Slot Size			5-18-100	mm
Processing Range	X-Axis Max.Travel			1100	mm
	Y-Axis Max.Travel			600	mm
	Z-Axis Max.Travel			600	mm
	Distance From Spindle Nose To Table Surface		Max.	720	mm
			Min.	120	mm
	Distance From Spindle Center To Z-Axis Guideway Surface			650	mm
Spindle	Taper Hole (7:24)			BT 40 φ150	
	Speed Range			8000	r/min
	Spinde Motor Power			11	kW
Feed		X-Axis		24	m/min
	Rapid Speed	Y-Axis		24	
		Z-Axis		18	
Tool Changer	Feed Speed			1-10000	mm/min
	Type			Disc	
	Capacity			24T	/
	Tool Change Time			2.5	s
Positioning Accuracy	Accuracy Testing Standard			JISB6336-4 : 2000/ GB/T18400.4-2010	
	X/Y/Z Axis			0.008	mm
X/Y/Z Axis Repeated Positioning Accuracy				0.005	mm
Dimension (L×W×H)				3100×2500×2800	mm
Gross Weight				6500	kg

Applications:

FLK-VL1160 CNC Metal Milling Machines are used in industries like automobile, motorcycle, engineering machinery, aerospace, military, mold, and precision machining.

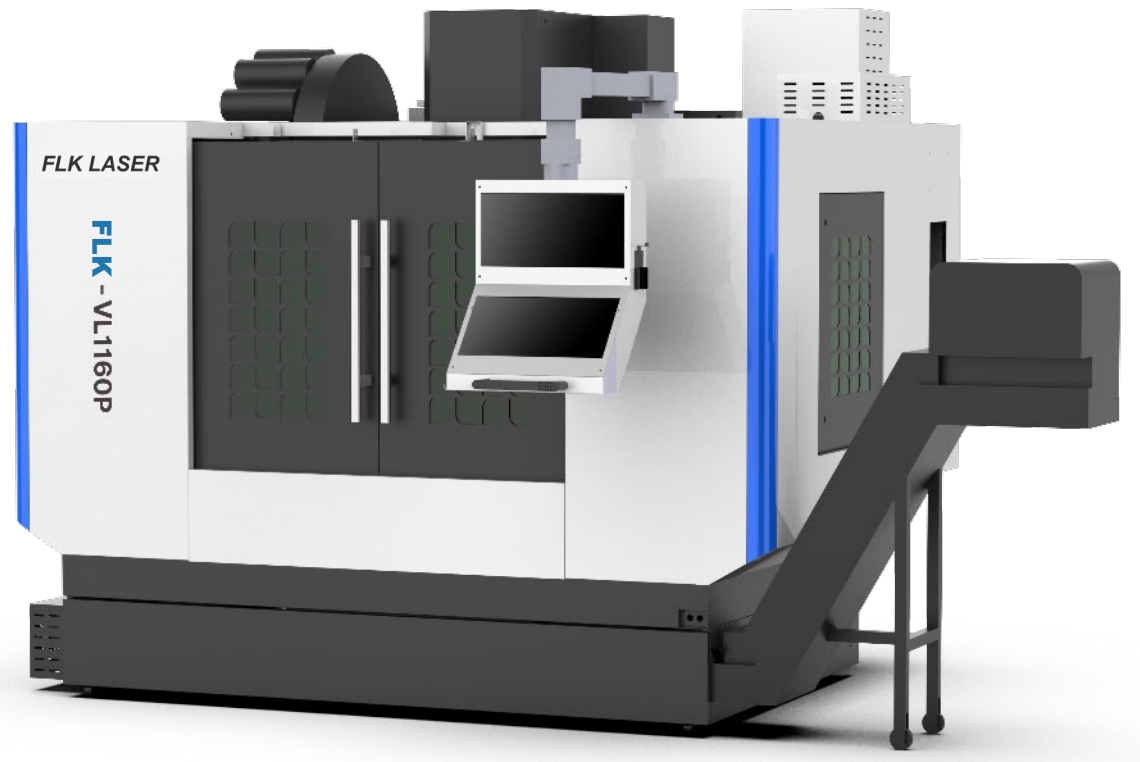


Vertical Machining Center FLK-VL1160P

Model: FLK-VL1160P

Working area: 1100*600*600mm

Maximum load: 800KG



The vertical machining center is a medium-sized machine tool. The workpiece can automatically and continuously complete milling, drilling, boring, expanding, reaming, countersinking, tapping and other processes after one clamping. The machine tool is suitable for medium-sized boxes. Multi-variety and small batch processing of complex parts such as metal parts, plates, discs, valves and shells.

TRAVEL (X/Y/Z)	mm	1100/600/600
WORKTABLE (WILDTH*LENGTH)	mm	1200×600
MAX LOAD BEARING OF WORKTABLE	kg	800
T-SLOT SIZE	mm	5-18-100
DISTANCE FROM TABLE SURFACE TO SPINDLE	mm	120-720
DISTANCE FROM COLUMN TO SPINDLE CENTER	mm	650
GUIDEWAY TYPE	3 AXIS LINEAR GUIDEWAY	
SPINDLE		
SPINDLE HOLE TAPE	Taper (7:24) BT40 φ150	
MAX. SPINDLE SPEED	r/min	8000
SPINDLE TRANSMISSION OF METHOD	Built-in spindle	
FEED		
RAPID TRAVERSE RATE	m/min	36/36/24
MAX. FEED SPEED	mm/min	10000
ATC		
TOOL MAGAZINE TYPE	MANIPULATOR DISC	
TOOL HOLDER TYPE	MAS403 BT40	
TOOL MAGAZINE CAPACITY	T	24
TOOL CHANGE TIME (T-T)	s	2.5
POWER SUPPLY		
POWER REQUIRMENT	380V±10% 50Hz	
ENVIROMENTAL TEMPERATURE REQUIREMENT	0℃~+40℃	
MACHINE		
MACHINE DIMENSION	mm	3100×2500×2800
MACHINE WEIGHT	kg	6500
MACHINE SHIELD	FULL PROTECT	
ACCURACY		
X/Y/Z POSITION ACCURACY	mm	0.008
X/Y/Z RE-POSITION ACCURACY	mm	0.005

Applications:

FLK-VL1160P CNC Metal Milling Machines are used in industries like automobile, motorcycle, engineering machinery, aerospace, military, mold, and precision machining.

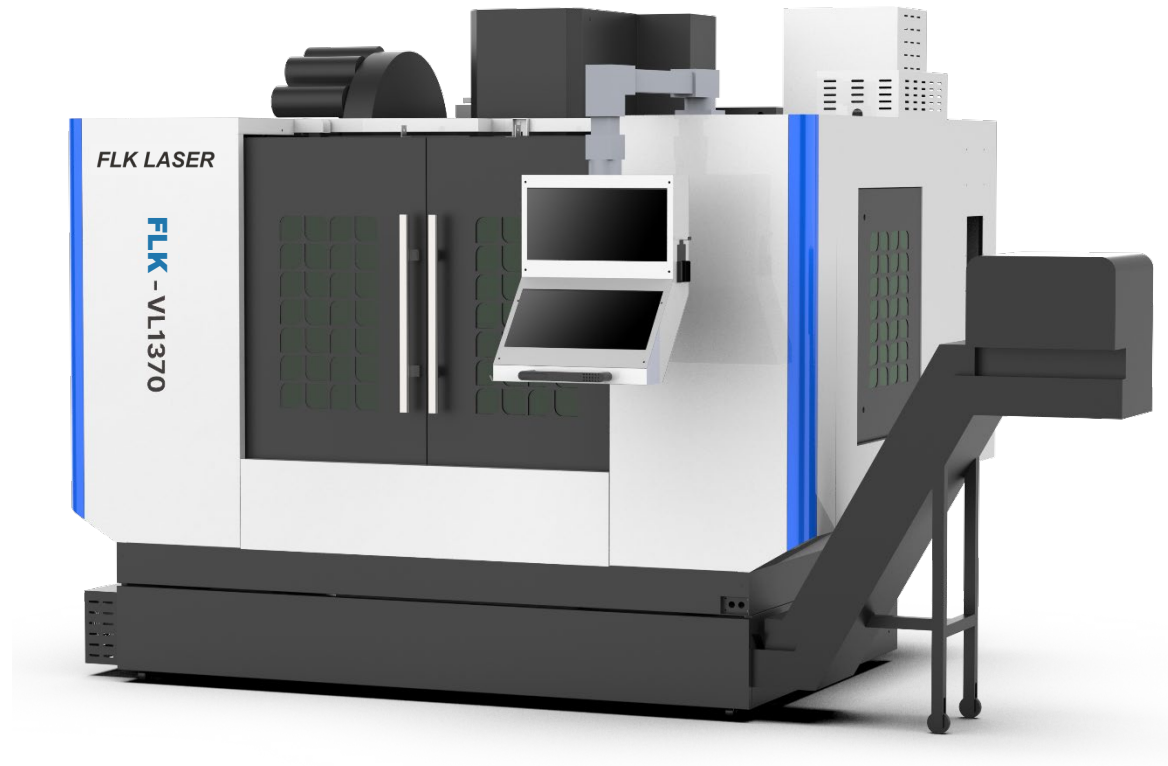


Vertical Machining Center FLK-VL1370

Model: FLK-VL1370

Working area: 3550×2700×2600mm

Maximum load: 800KG



The vertical machining center is a medium-sized machine tool. The workpiece can automatically and continuously complete milling, drilling, boring, expanding, reaming, countersinking, tapping and other processes after one clamping. The machine tool is suitable for medium-sized boxes. Multi-variety and small batch processing of complex parts such as metal parts, plates, discs, valves and shells.

Item				Specification	Unit
				VL1370	
Worktable	Table Size			1400×700	mm
	Maximum Load			800	Kg
	T-Slot Size			5-18-130	mm
Machining Range	Maximum Travel - X-Axis			1300	mm
	Maximum Travel - Y-Axis			700	mm
	Maximum Travel - Z-Axis			750	mm
	Distance From Spindle Nose to Table Surface		Maximum	870	mm
			Minimum	120	mm
	Distance From Spindle Center to Z-Axis Guideway Surface			722	mm
Spindle	Taper Hole (7:24)			BT40 φ150	
	Speed Range			8000	r/min
	Motor Power			15	kw
Feed	Rapid Speed	X-Axis		24	m/min
		Y-Axis		24	
		Z-Axis		18	
	Feed Speed			1-10000	mm/min
Tool Magazine	Type			Disk Type	
	Capacity			24T	
	Tool Change Time			2.5	s
Position Accuracy	Accuracy Testing Standards			JISB6336-4 : 2000/ GB/T18400.4-2010	
	X/Y/Z Axis			0.008	mm
X/Y/Z-Axis Repeated Positioning Accuracy				0.005	mm
Dimensions (L×W×H)				3550×2700×2600	mm
Gross Weight Approx.				8000	Kg

Applications:

FLK-VL1160P CNC Metal Milling Machines are used in industries like automobile, motorcycle, engineering machinery, aerospace, military, mold, and precision machining.

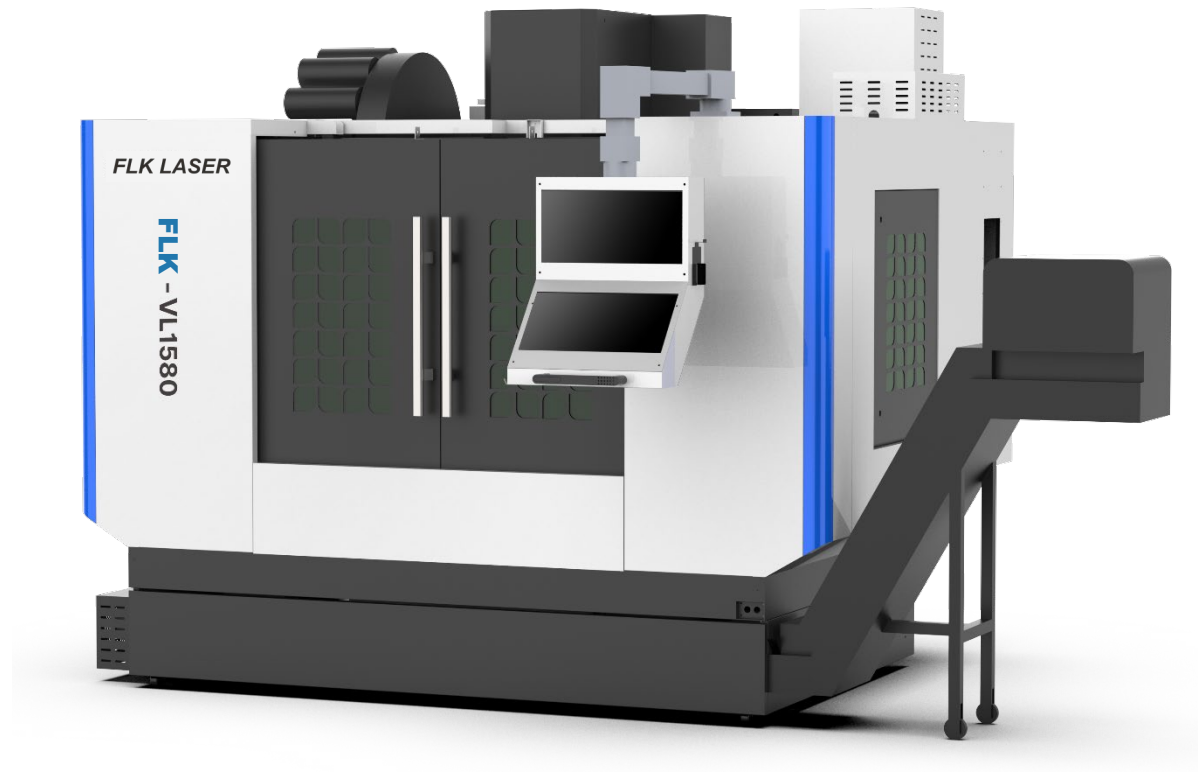


Vertical Machining Center FLK-VL1580

Model: FLK-VL1580

Working area: 4300×3200×2800mm

Maximum load: 1500KG



The vertical machining center is a medium-sized machine tool. The workpiece can automatically and continuously complete milling, drilling, boring, expanding, reaming, countersinking, tapping and other processes after one clamping. The machine tool is suitable for medium-sized boxes. Multi-variety and small batch processing of complex parts such as metal parts, plates, discs, valves and shells.

Item			Specification	Unit
			VL1580	
Worktable	Table Size		1600×800	mm
	Maximum Load		1500	kg
	T-Slot Size		7-22-110	mm
Machining Range	Maximum Travel - X-Axis		1500	mm
	Maximum Travel - Y-Axis		800	mm
	Maximum Travel - Z-Axis		700	mm
	Distance From Spindle Nose to Table Surface	Maximum	860	mm
		Minimum	160	mm
	Distance From Spindle Center to Z-Axis Guideway Surface		855	mm
	Spindle	Taper Hole (7:24)		BT 50 Φ 155
Speed Range		6000	r/min	
Motor Power		15	kW	
Feed	Rapid Speed	X-Axis	24	m/min
		Y-Axis	24	
		Z-Axis	24	
	Feed Speed		1-10000	mm/min
Tool Magazine	Type		Disk Type	
	Capacity		24T	
	Tool Change Time		2.5	s
Position Accuracy	Accuracy Testing Standards		JISB6336-4 : 2000/GB/T 18400.4-2010	
	X/Y/Z Axis		±0.008	mm
X/Y/Z-Axis Repeated Positioning Accuracy			±0.005	mm
Dimensions (L×W×H)			4300×3200×2800	mm
Gross Weight Approx.			10000	kg

Applications:

FLK-VL1160P CNC Metal Milling Machines are used in industries like automobile, motorcycle, engineering machinery, aerospace, military, mold, and precision machining.





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