

LC-20 Series





Machine Type	LC-20 VSG	LC-20 VGN	LC-20 VGA
Y axis ball screws (grade C5)	0	0	0
Y power feed	0	0	0
8 Speed gear box feed system for Y-Axis	0	0	0
1420 mm X 260 mm long table	0	0	0
Scales	0	0	0
Coolant system	0	0	0
Coolant tray	0	0	0
Automatic lubrication system	0	0	0
Halogen light	0	0	0
Air power drawbar (Vertical)	0	0	0
5"(127mm) rise r block	0	0	0
Tapping Unit	0	0	0

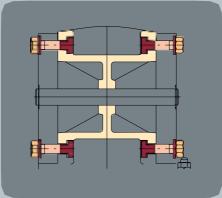
V: Standard ; O: Option ; X: Not Available











RIGID HEAD TILTING SYSTEM

The Ram adapter is designed with 8 T-bolts clamping system that allows the large vertical head to be tilted at all angles, front and back. This structure greatly increase the versatility of the machine to perform complicated work.

GEAR DRIVEN HORIZONTAL SPINDLE

All gears that drive the horizontal spindle system are made of alloy steel, precision ground and hardened for heavy cutting and quiet operation. The automatic lub. system keeps the gears lubricated at all times. The 5HP motor drive with 6 speed changes offers high torque cutting in wide range of speeds.



▶ MILLING HEAD SPECIFICATION

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Milling Head		20 VS	20 VN	2G	
Spindle Taper			NST 40		
Spindle Motor(3Ph)	r(3Ph)		3 HP 5 HP		
Quill Diameter		90	90 mm 110 mm		
Quill Travel		127 m	mm (5") 135 mm (5.3")		
Vertical Feeds		0.04/0.08	08/0.16 mm 0.035/0.07/0.14 m		
Spindle Speed	50 HZ	50~3,750 rpm (Variable)	60~3,000 rp	m (16 Steps)	
	60 HZ	60~4,500 rpm (Variable)	75~3,600 rpm (16 Steps)		
Inverter (Option)		X	0 0		
Bigger spindle motor (Option)		5 HP X		X	
Single phase motor (Option)		X X X		X	
2 speed motor (Option)		X	0	0	

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GEAR DRIVEN LONGITUDIANL FEED

The table is driven by steel gears box with 12 speeds change and rapid feed for positioning of work piece.



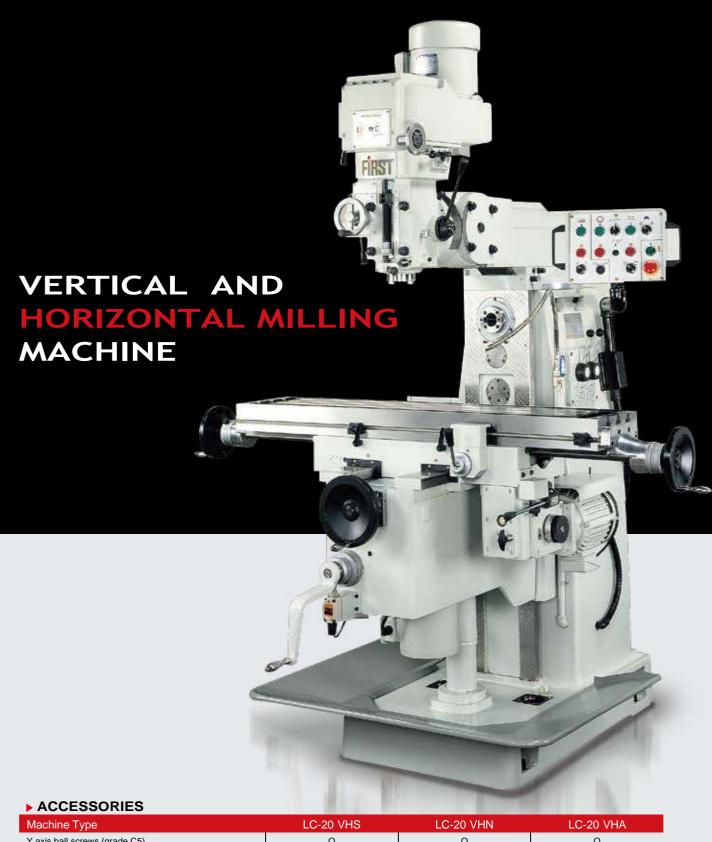
EXCLUSIVE VARI-DISC DESIGN

To ensure smooth operation under high speed and to eliminate noise and vibration in the vertical head, the vari-disc is treated with HD polymer at the inside diameter using a patented process. (CNS Patent NO.7225810)



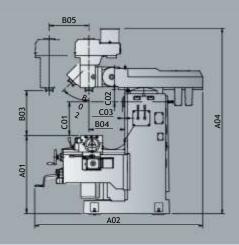
WORLD CLASS MANUFACTURING FACILITY

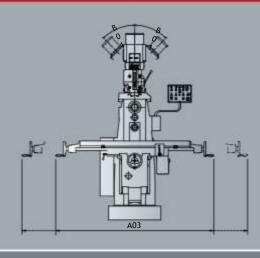
The ISO9001 certified company got many international design patents. Manufacturing is done in-house using Machining centers, CNC lathes and CNC grinders. Most parts are inter-changeable. Fully computerized factory link all our teams together. We offer the Great machines and Great service.



Machine Type	LC-20 VHS	LC-20 VHN	LC-20 VHA
Y axis ball screws (grade C5)	0	0	0
Y power feed	0	0	0
8 Speed gear box feed system for Y-Axis	0	0	0
1420 mm X 260 mm long table	0	0	0
Scales	0	0	0
Coolant system	V	V	V
Coolant tray	V	V	V
Automatic lubrication system	0	0	0
Halogen light	0	0	0
Air power drawbar (Vertical)	0	0	0
5"(127mm) riser block	0	0	0
Tapping Unit	0	0	0

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Machine Type		LC-20 VSG	LC-20 VGN	LC-20 VGA	LC-20 VHS	LC-20 VHN	LC-20 VHA
Travel							
Longitudinal travel				800 mm (32.5") / C	Opt: 920mm (36.2"))	
Cross travel		415 mm (16.3")					
Vertical travel			460 mm (18")			435 mm (17.1")	
Table			, ,				
Working Surface			1,300 m	m X 260 mm (51" >	(10") / Opt: 1,420n	nm (56")	
Working surface to ground A01		910~	·1,370 mm (35.8~5	53.9")	925~	~1,360 mm (36.4~5	53.5")
Max. Loading				200) Kg		
T-slot (no. x width x pitch)			3 X	15.875mm X 63.5	mm (3 X 0.625" X 2	2.5")	
Machine Size							
Length A02				2,110~2,580 m	m (83.1~101.6")		
Width A03				1,900 m	m (74.8")		
Height A04				2,270	(89.4")		
Weight		1	,800 kgs (3,960 lbs	s)	2	2,010 kgs (4,422 lb	s)
Coolant pump			0			1/8 HP	
Vertical Spindle							
Milling head		20 VS	20 VN	2 G	20 VS	20 VN	2 G
Quill Swivel (R&L/90°) B01		V	V	V	V	V	V
Quill Swivel (F&B/45°) B02		V	V	V	V	V	V
Spindle nose to table		80	~540mm (3.1"~21.	3")	11:	5~550mm (4.5"~21	.7")
Spindle nose to column surface	B04	355~825 mn	355~825 mm (14"~32.5") 255~725mm (10"~28.5")		355~825 mm (14"~32.5")		255~725mm (10"~28.5")
Overarm travel B05				470 mn	n (18.5")		
Overarm Swivel				36	o°		
Feed System							
Longitudinal		22~690mm (0.8"~27.2")/ min					
Longitudinal rapid feeds		2100mm (82.7")/ min					
Vertical		800mm (31.5")/ min					
Longitudinal motor		1/0.5 HP 4/8 P					
Vertical motor				1.5 H	IP 6P		
Horizontal Spindle							
Crindle Creed	50 HZ	X 45~980 rpm (6 Steps)			os)		
Spindle Speed	60 HZ		Х		55	5~1,180 rpm (6 Ste	ps)
Spindle motor		X		5 HP 4P			
Spindle taper		X			NST 40		
Spindle centerline to table C01		X -25~410 mm (-1~16.1")					
Spindle centerline to overarm C	02	X 146 mm (5.7")					
Spindle centerline to column sur	face C03	X 28 mm (1.1")					

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Edition / A02

