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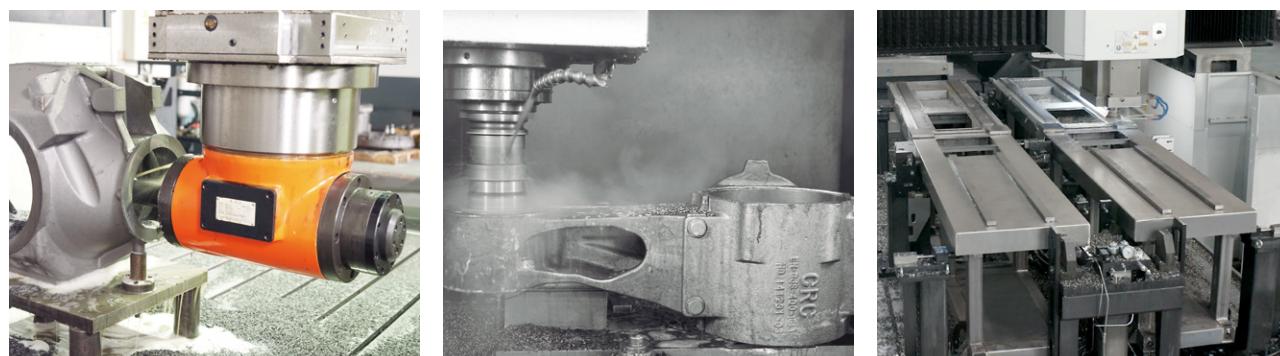
L SERIES DOUBLE COLUMN MACHINING CENTER

GLU L-GRUII L



PRODUCT INTRODUCTION

L series upgraded fixed beam gantry processing center is a series of products upgraded by Haitian Precision on the basis of giving full play to its own advantages and absorbing international advanced technology. With milling, boring, drilling (drilling, expanding, reaming), tapping, spot faceting and other processing functions. It is suitable for textile machinery, laser cutting machine, packaging, hardware and other mechanical processing fields.



Column Rotating Head Magazine

Compact structure, realizing automatic head change, reducing auxiliary processing time and improving processing efficiency.



Toothed Coupling

The main transmission system is connected by gear coupling, which is simple and reliable in structure and has large transmission torque.



High Torque Gear Reducer

Two gear shifting is realized through hydraulic automatic shift, and stepless speed regulation is implemented in each gear. The whole system is simple and reliable in structure.



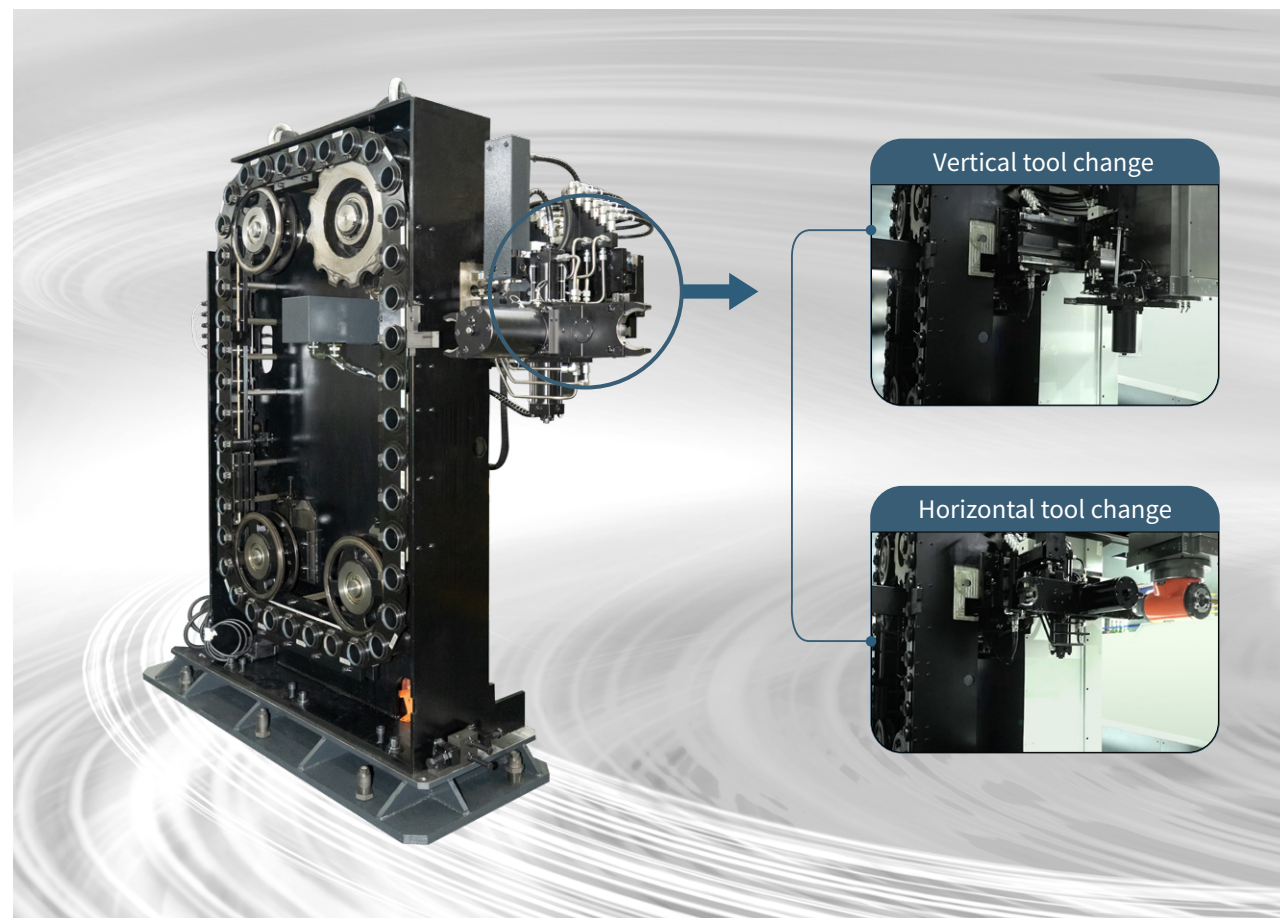
Appearance drawing of full enclosure without top cover (Option)



HIGHER SPEED ATC DEVICE

Vertical and horizontal tool magazine adopts servo drive to ensure stable tool change.

The rotation speed of the chain is significantly improved, and the auxiliary processing time is saved.

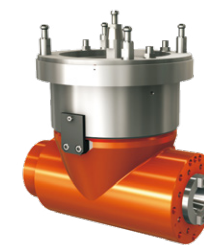


Vertical&Horizontal Servo Tool Magazine Parameters

	Item	Unit	40T Servo V&H	60T Servo V&H
	Tool weight	kg	25	25
Tool Size	Max.tool dia (Adjacent / Vacant)	mm	Φ110/Φ220	Φ110/Φ220

MORE ABUNDANT ACCESSORY MILLING HEAD

Self made milling heads with multiple functions can help customers realize single machine automation and improve production efficiency.



Automatic Right Angle Milling Head

Max. power: 20kW
Max. speed: 2000rpm/4000rpm



Automatic Extending Milling Head

Max. power: 15kw
Max. speed: 3500rpm



Semi-automatic Universal Milling Head

Max. power: 15kW
Max. speed: 2000rpm



Automatic Narrow Head

Max. power: 15kW
Max. speed: 800rpm

HEADSTOCK BRACKET OPTIONS



Two Station Rotary Head Stock

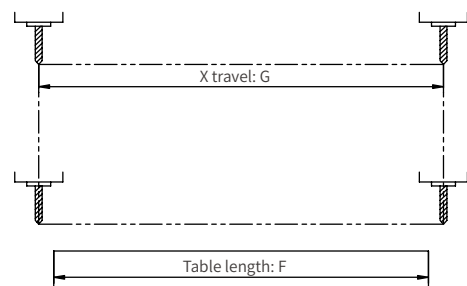
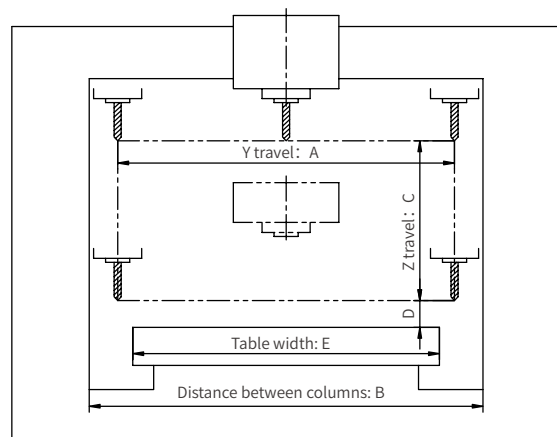


Attachment Head Bracket

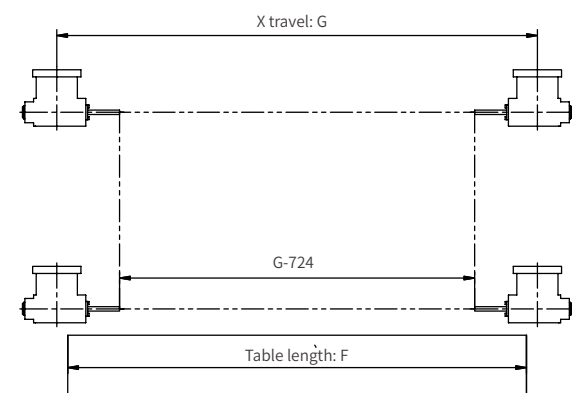
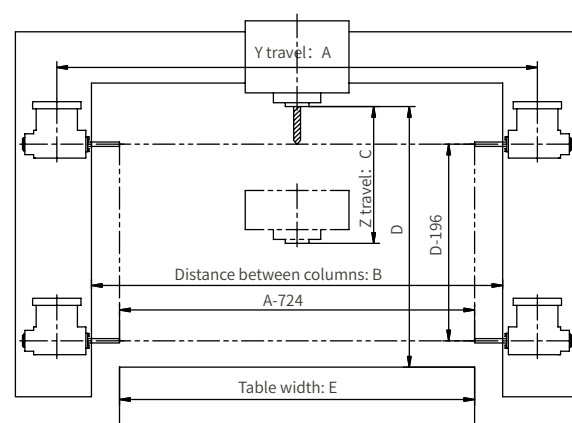


PROCESSING RANGE

Machining range of standard vertical spindle
(tool length 200mm)



Machining range with 20kW 90 ° right angle head
(tool length 200mm)



Size(mm)								
Model	A	B	C	D	E	F	G	
GLU28×30L	2700	2790	1000	250-1250	2000	3000	3200	
GLU28×40L	2700	2790	1000	250-1250	2000	4000	4200	
GLU28×60L	2700	2790	1000	250-1250	2000	6000	6500	
GRU32 II×40L	3200	3200	1000	150-1150	2500	4000	4200	
GRU32 II×60L	3200	3200	1000	150-1150	2500	6000	6500	
GRU32 II×80L	3200	3200	1000	150-1150	2500	8000	8500	

GLU L-GRU II L

Items	Unit	GLU28×30L	GLU28×40L	GLU28×60L	GRU32 II×40L	GRU32 II×60L	GRU32 II×80L
» Machining Capacity							
X travel	mm	3200	4200	6500	4200	6500	8500
Y travel	mm	2700	2700	2700	3200	3200	3200
Z travel	mm	1000	1000	1000	1000	1000	1000
Distance between columns	mm	2790	2790	2790	3200	3200	3200
Spindle nose to table surface	mm	250-1250	250-1250	250-1250	150-1150	150-1150	150-1150
» Table							
Table size	mm	2000×3000	2000×4000	2000×6000	2500×4000	2500×6000	2500×8000
Table loading	t	15	18	25	18	25	30
T slot size		9×22×200	9×22×200	9×22×200	12×28×200	12×28×200	12×28×200
» Feed Rate							
Cutting feedrate(X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	15/20/15	12/20/15	10/20/15	12/15/10	10/15/10	10/15/10
» Spindle							
Drive type		Gear box	Gear box	Gear box	Gear box	Gear box	Gear box
Max. Spindle speed	rpm	6000	6000	6000	4000	4000	4000
Spindle power	kW	22/30	22/30	22/30	22/30	22/30	22/30
Spindle torque	N.m	720/980	720/980	720/980	866/1180	866/1180	866/1180
Spindle taper		BT50	BT50	BT50	BT50	BT50	BT50
Ram section	mm	350×350(380×380 square ram option)			400×400	400×400	400×400
» Tool Magazine (Option)							
Tool magazine capacity	T	24	24	24	24	24	24
Tool shank type		BT50	BT50	BT50	BT50	BT50	BT50
Max.tool dia.(Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	300	300	300	300	300	300
Max. tool weight	kg	20	20	20	20	20	20
» Precision (GB/T19362.1-2003)							
Positioning accuracy X/Y/Z	mm	0.018/0.018/0.015	0.020/0.018/0.015	0.028/0.018/0.015	0.020/0.020/0.015	0.028/0.020/0.015	0.032/0.020/0.015
Repeat Positioning accuracy X/Y/Z	mm	0.012/0.015/0.010	0.015/0.015/0.010	0.020/0.015/0.010	0.015/0.018/0.010	0.020/0.018/0.010	0.022/0.018/0.010
» Other							
Power capacity	kVA	55	55	55	55	55	55
Machine weight	t	36	41	53	49	62	74
Machine size(L×W×H)	cm	1050×530×510	1250×530×510	1700×530×510	1250×580×570	1700×580×570	2100×580×570

Standard Configuration

1. Controller: SIEMENS 828D

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip conveyor

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

Option Configuration

1. Controller: FANUC 0i

2. Column heighten 200/400/600mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3-6MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary head stock

11. Tool setter

12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet