

Specification

Item	Unit	HRP-13 series	
Distance between columns	mm	1300 (without splash guard)	
Table size	Length	m	Each 1000 increase from 2M to 10M
	Width	mm	1000 (T-slot wide 18mm-pitch 180mm-6 pcs)
Travel	X-axis	m	Each 1000mm increase from 2M to 10M
	Y-axis	mm	1300
	Z-axis	mm	800
Spindle	Nose to table	mm	200 ~ 1000
	Taper / Speed / Power	rpm/kW	BT50-6000rpm-18.5/22kW with ZF-2K250 (1:4) gearbox
X / Y / Z feedrate	Cutting speed	mm/min	5 ~ 12000
	Rapid	m/min	15 / 15 / 15
ATC & tool magazine	Capacity / Max Dia	mm	24pcs / Max. dia \varnothing 110 (full tools) ; \varnothing 200 (Adjacent pocket empty)
	Max tool weight / Length	Kg/mm	18Kg / 300mm
Maximum Table Load		Kg/m ²	2500
Machine size	Length	mm	Each 1000mm increase from 5400~15400
	Width	mm	4500
	Height	mm	4660
Machine weight		ton	18 +2ton / M

All data will change based on the actual situation without notice.

Standard Accessories

- | | |
|---|---|
| 1. Controller Mitsubishi M720A + 10.4"LCD | 14. ATC auto door |
| 2. Spindle cooler | 15. X/Y/Z axis linear guideway |
| 3. Spindle air blast | 16. X axis ballscrew (X ≤ 4m) |
| 4. Cutting coolant system | 17. X axis rack-pinion+reducer (X ≥ 5m) |
| 5. Auto lubrication system | 18. X axis linear scale |
| 6. Rigid tapping | 19. X axis steel telescopic cover |
| 7. Electrical cabinet heat exchanger | 20. Y axis JAVARA cover |
| 8. Program end alarm light | 21. Lectern type control panel + MPG |
| 9. USB + RS-232 interface | 22. Foot switch for tool released |
| 10. Precision two stage gearbox | 23. Open type splash guard (two sides) |
| 11. Air/water cleaning equipment | 24. Working lamp + Tools kit |
| 12. Dual screw type chip remover | 25. Operator manual |
| 13. Steel belt type chip conveyor | 26. Base leveling bolt and blocks |

Optional Accessories

- X axis 2M~10M
- Multi gate
- Control FANUC, SIEMENS, Heidenhain
- Special milling head
- High speed direct-drive spindle
- CTS and oil moist collection



YONG JU PRECISION TECHNOLOGY CO.,LTD.

TEL : +886-4-2565-3981 E-mail : yjpt@fourstarcnc.com
 FAX : +886-4-2560-8430 http :// www.fourstarcnc.com

No.6-2, Lane 292, Da Lin Road, Da Ya District, Taichung City, 42847, Taiwan.



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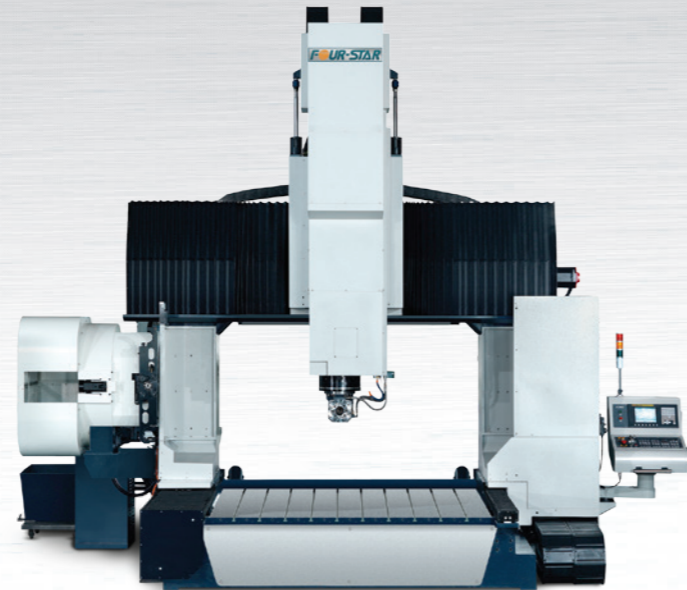
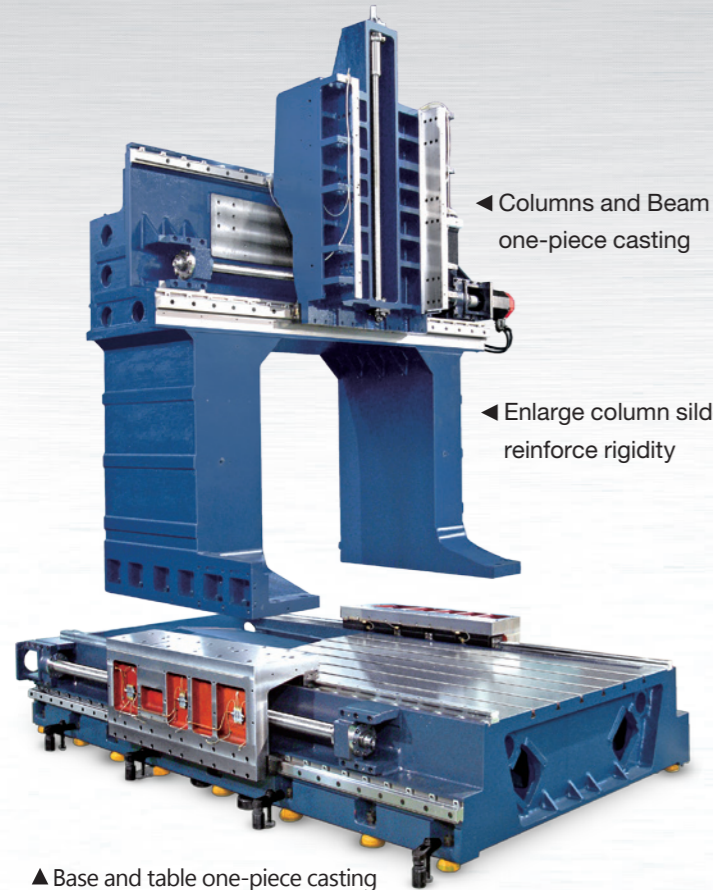
High Rapidly Precision Machining Center

HRP SERIES Twin Gates model



TRAVEL

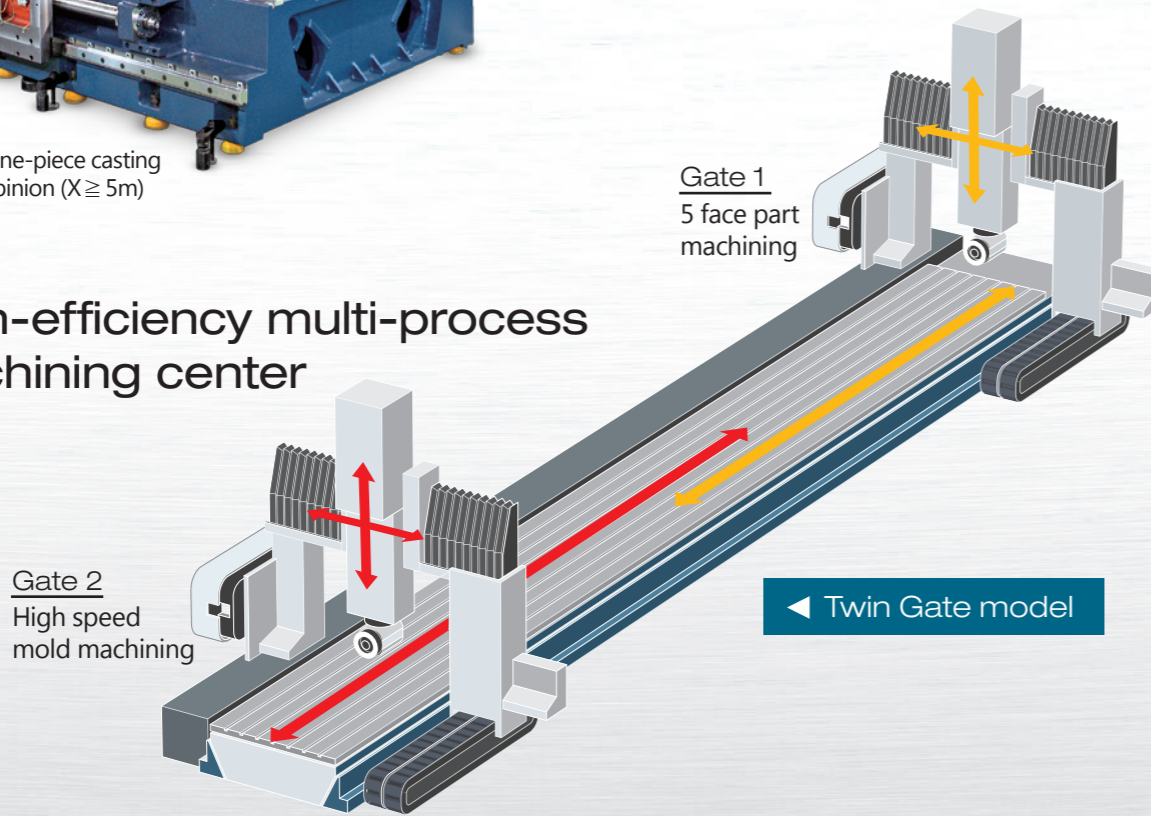
Gate span : 1.3 m
 X-travel : 2 m ~ 10 m + AHC
 Y-travel : 1.3 m + ATC
 Z-travel : 800 mm



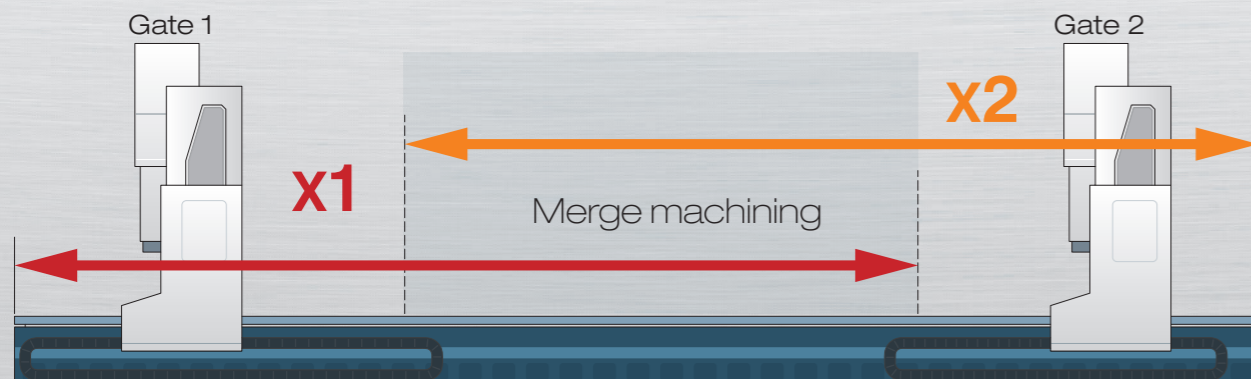
▲ Single Gate model

▲ Base and table one-piece casting
X travel by rack-pinion ($X \geq 5m$)

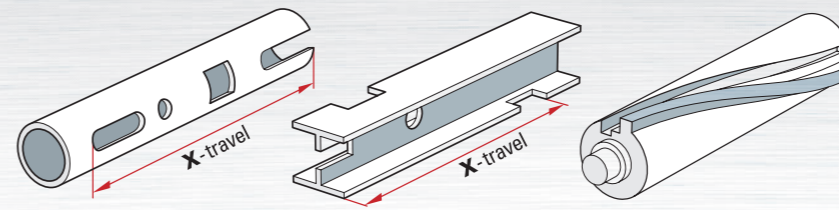
High-efficiency multi-process machining center



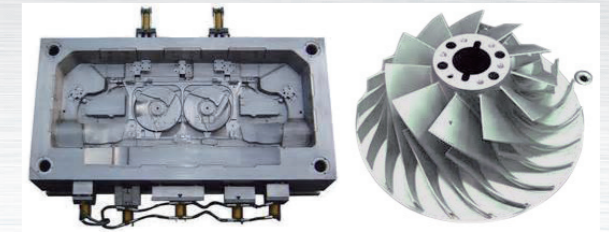
◀ Twin Gate model



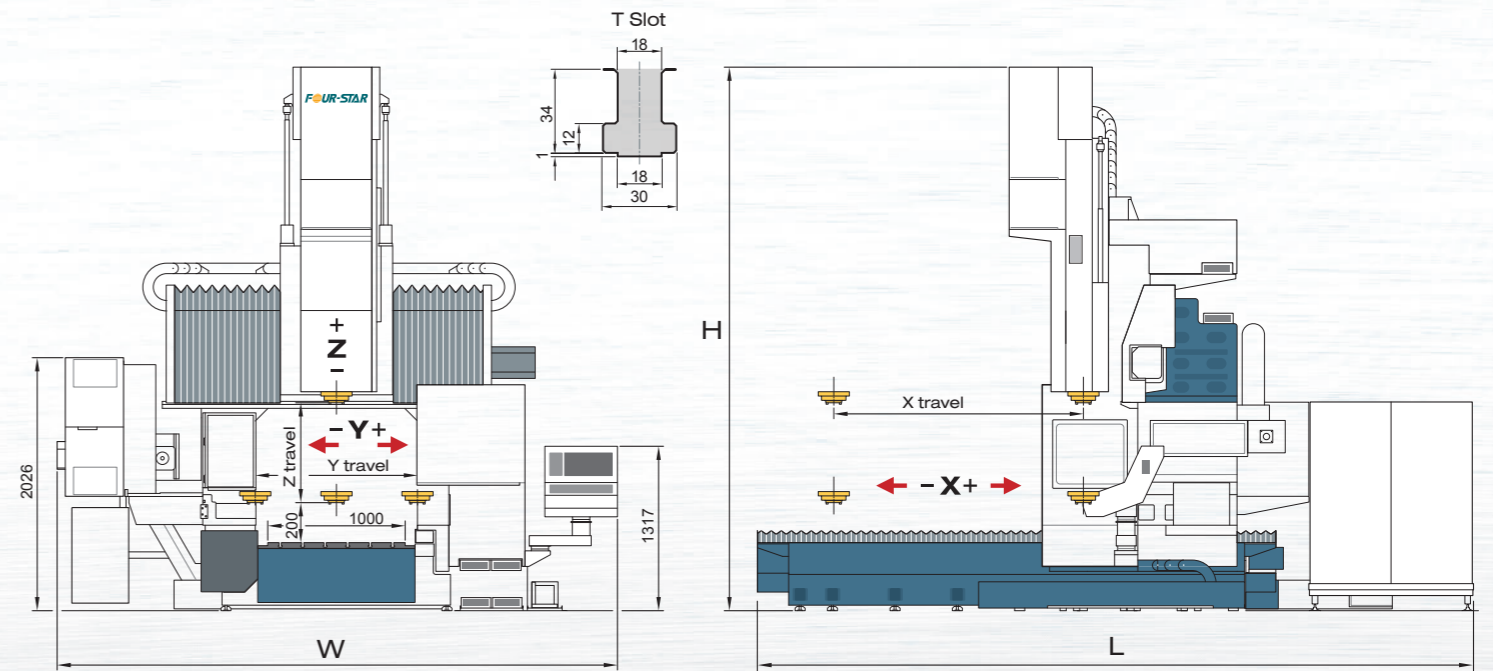
MACHINE LAYOUT & MOLD PARTS



▲ Long size complex precision machining

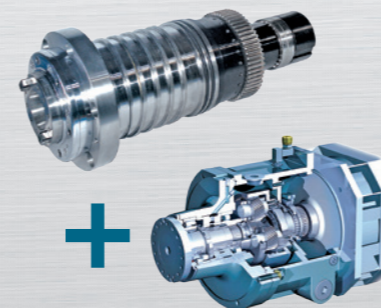


▲ Die Mold & multi-process parts



SPINDLE POWER TORQUE CHART

P4 level precision ball bearing is oil chilled to reduce thermal deformation.



Two speed ZF 2K 250 gearbox
Full enclosure, high performance.

