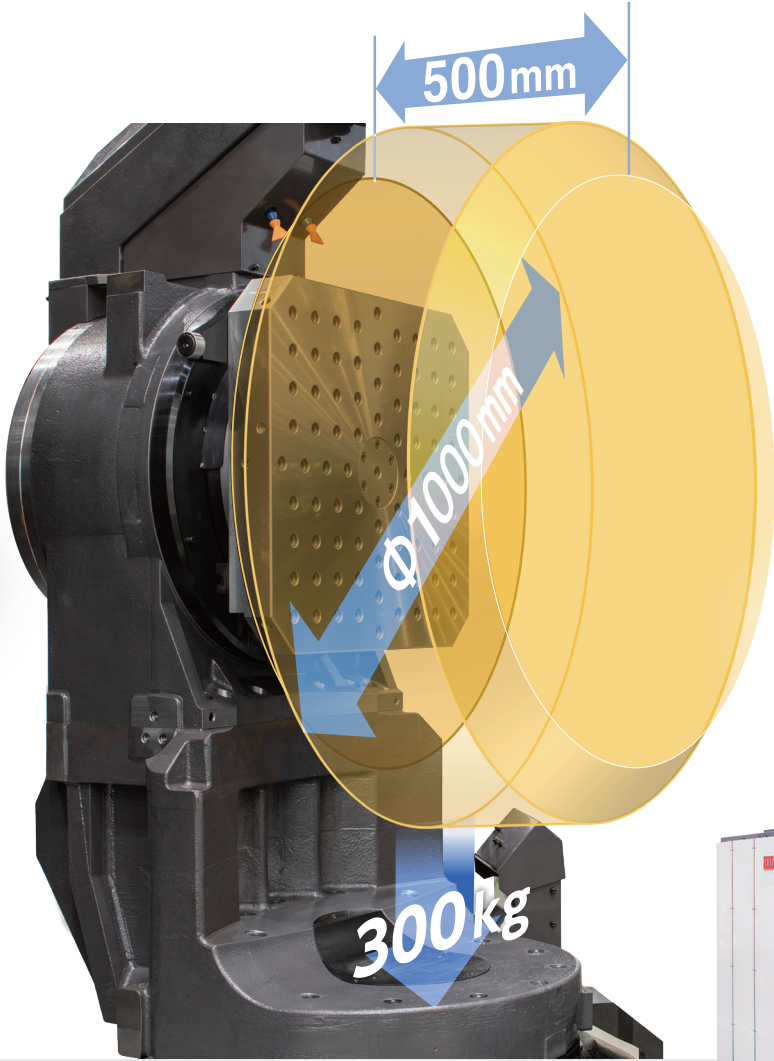




# YASDA PRECISION CENTER H40i-100

Yasda H-series has an established reputation for high accuracy and highly efficient simultaneous 5-axis machining. Now H40i expanded its work diameter to  $\phi 1000\text{mm}$ .



## Suitable for machining large parts with complex shapes

Meeting the needs of growing fields such as integrated motor mounting cases for electric vehicles, large workpieces for aircraft engine parts etc.

## High accuracy is sustained even when the machine stroke becomes larger

Sustaining its highly rigid machine structures in spite of having larger machine envelope, based on a thorough structural analysis.

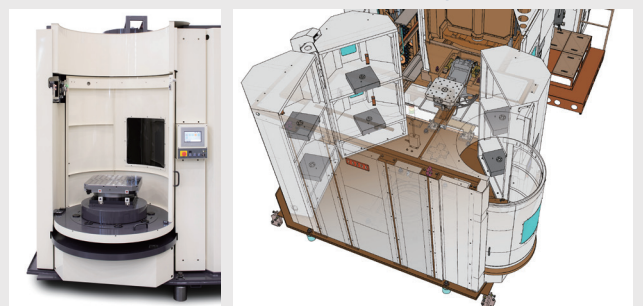


- Designing machine structures that realize both high kinematic response and high precision

The X/Y/Z-axes have highly rigid linear guides, and the B/C-axes are driven by DD (Direct Drive) motors. The combination of these is suitable for simultaneous 5-axis machining as well as machining of large parts with complex shapes.

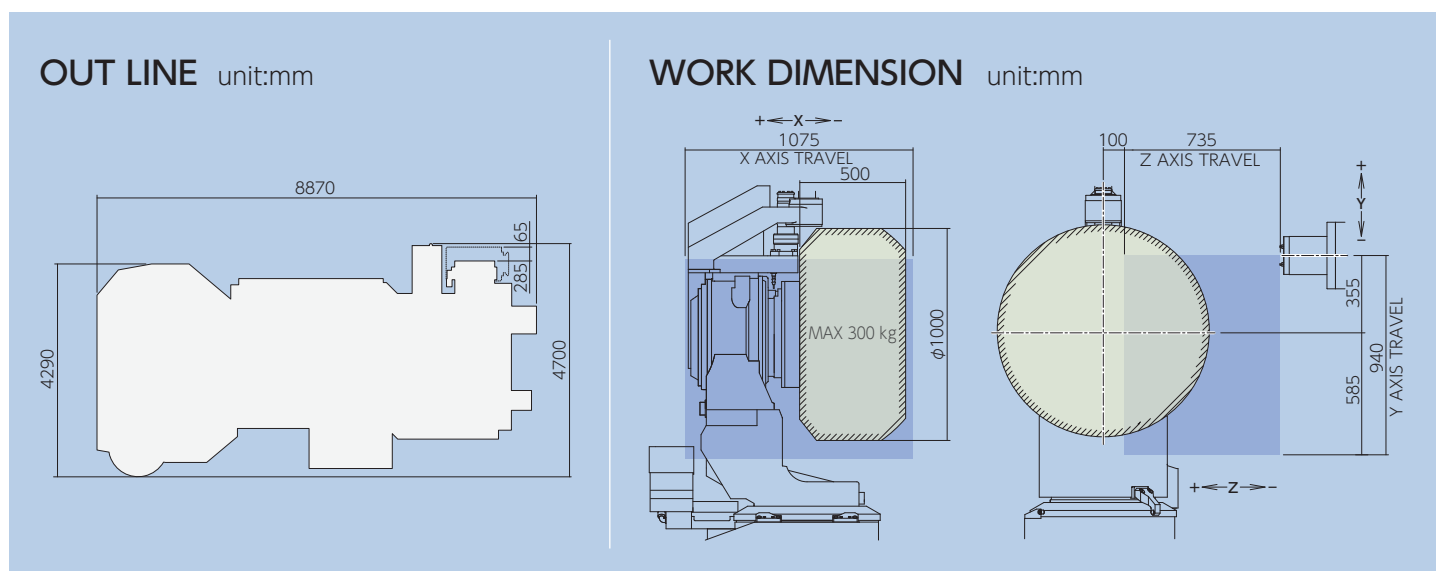
- Number of tools in the ATC: 240 tools

- L/U (Loading / Unloading) station: 1 set  
+ PLS (PreLoad Stand): for 6 pallets



# SPECIFICATIONS \*Specifications are subject to change without notice.

Base machine specifications		
Travel	X-axis travel	1,075mm
	Y-axis travel	940mm
	Z-axis travel	735mm
Table (Pallet)	Pallet size	500×500mm
	Loading capacity on pallet	300kg
	B/C-axis direct drive motors	
	Table swiveling axis travel (B-axis)	-95~+135deg.
	Table rotating axis travel (C-axis)	360deg.
Spindle	Spindle speed range	200~20,000min <sup>-1</sup>
	Spindle drive motor	AC18.5/22kW(Continuous/15min)
	Spindle taper	MAS BT40
	Spindle nose surface	BIG plus dual contact type
Feed rate	Rapid feed (X-,Y-,Z-axis)	Max.50,000mm/min(B-axis)Max.50min <sup>-1</sup> (C-axis)Max.75min <sup>-1</sup>
	Cutting feed (X-,Y-,Z-axis)	Max.20,000mm/min(B-axis)Max.50min <sup>-1</sup> (C-axis)Max.75min <sup>-1</sup>
	Min. input increment	0.0001mm(deg.)
Automatic Tool Changer (ATC)	Tool storage capacity	240 tools(4 magazine)
	Max. tool diameter/length/mass	φ70mm(φ100)/300mm/7kg No.4 magazine: 500mm
Automatic pallet changer (APC)	PreLoad Stand (PLS)	for 6 pallets
	Number of pallets	6 pallets
	L/U Loading / Unloading station	1 set
Pallet chucking device		Curvic coupling
Mass of machine		Approx.27,000kg
CNC unit		FANUC 31i-B5 Plus



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\*Export of the products and associated software, and related services are subject to prior approval of the Japanese government according to "Foreign Exchange and Foreign Trade Law".