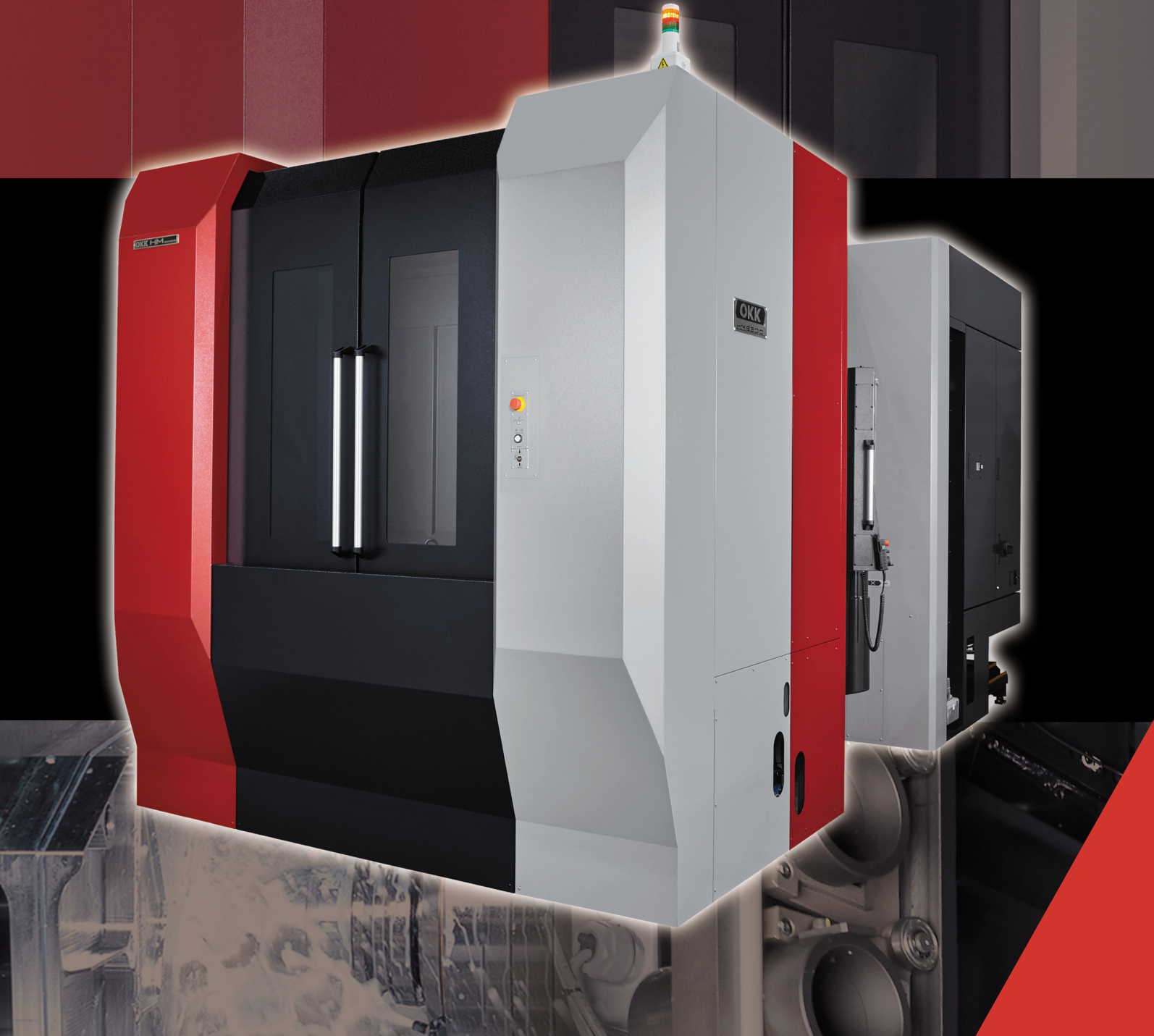


Horizontal Machining Center

HM 6300/8000S



DEBURT

Specifications

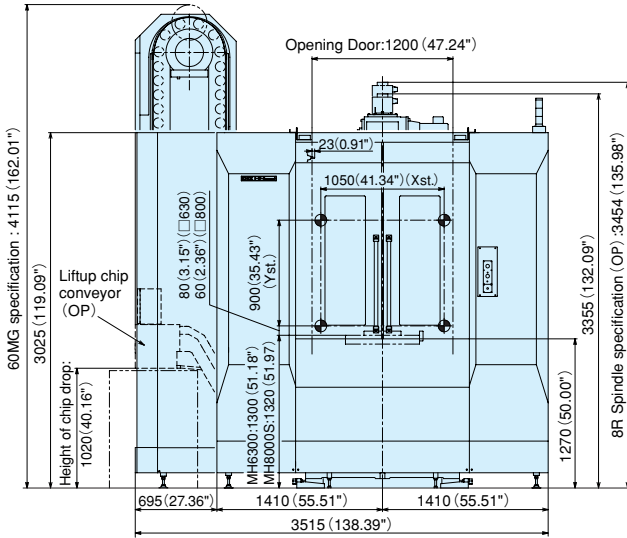
Item	Specification	
	HM6300	HM8000S
Travel on X axis (Column : right /left)	mm	1050 (41.34")
Travel on Y axis (Spindle head: up /down)	mm	900 (35.43")
Travel on Z axis (Pallet : back /forth)	mm	1030 (40.55")
Distance from pallet top surface to spindle center	mm	80~980 (3.15"~38.58") 60~960 (2.36"~37.80")
Distance from pallet center to spindle nose	mm	50~1080 (1.97"~42.52")
Table (Pallet) work surface area	mm	□630 (24.80") □800 (31.50")
Max. weight loadable on table (Pallet) (Uniform load)	kg	1500 (3300lbs) 1400 (3100lbs)
Max. workpiece diameter	mm	φ1110×1300 φ1110×1280 (φ43.70"×51.18") (φ43.70"×50.39")
Minimum indexable angle of table (Pallet)	deg	BRT:0.001
Table (Pallet) index time (for indexing 90 degrees)	sec	BRT:0.6
Spindle speed	min ⁻¹	35~12000
Number of spindle speed change steps		Electric 2-step speed change (MS)
Spindle motor (25%ED/30min/cont.rating)	kW	45/30/26 (60/40/35 HP)
Spindle torque (15%ED/15min/cont.rating)	N·m	623/382/305 (460/282/225 ft·lbs)
Spindle nose (nominal number)		7/24-taper, No.50
Spindle bearing inner diameter	mm	φ100 (3.94")
Rapid traverse rate	m/min	X/Z:75 (2953ipm) Y:54 (2126ipm)
	min ⁻¹	B:50

Item	Specification	
	HM6300	HM8000S
Cutting feed rate	mm/min	X/Y/Z:1 (0.04ipm)~10000 (394ipm) (1 (0.04ipm)~40000 (1575ipm)*1)
	min ⁻¹	B:1~13.8 (1~27.7)*1
Tool shank (nominal number)		JIS B 6339 BT50
Pull stud (nominal number)		OKK only 90°
Number of stored tools		60*2 (OP):40*2/80/116/120/176/236
Maximum tool diameter (with adjacent tools)	mm	φ115 (4.53")
Maximum tool diameter (without adjacent tools)	mm	φ300 (11.81")
Maximum tool length (from the gauge line)	mm	600 (23.62")
Maximum tool weight	kg	Standard ATC turning:10 (22 lbs)/ Middle speed ATC turning:20 (44 lbs)/ Low speed ATC turning:30 (66 lbs)
Maximum tool moment	N·m	29.4 (21.7 ft·lbs)
Tool selection method		Address fixed random system
Tool exchange time (cut-to-cut)	sec	4.0 3.9
Power supply	kVA	60
Machine height	mm	60MG:4115 (162.01") (OP):40MG:3355 (132.09")
Required floor space	mm	3515 (138.39") × 5635 (221.85")
Machine weight	kg	18500 (40800 lbs) 18800 (41400 lbs)

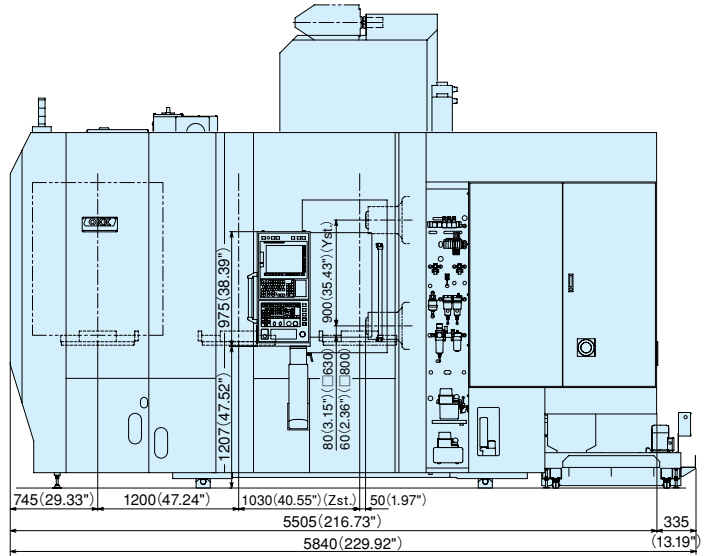
*1 : Available Under the HQ or Hyper HQ control

*2 : The number of storable tools refers the total number of tools including the one attached to the spindle i.e. subtract one from the above for the number of tools storable in the tool magazine.

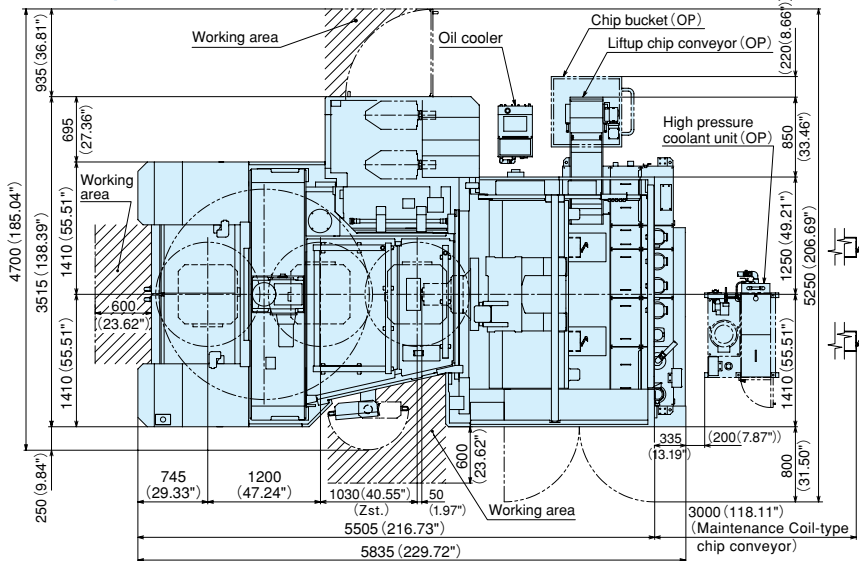
Side view



Front view

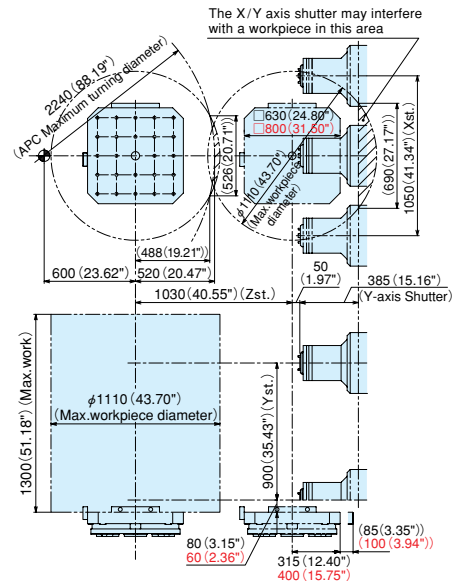


Floor space



Stroke diagram

HM8000S dimensions



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