

## Kiwa KH-4100 Horizontal Machining Centre

### Standard Specification

Made in Japan

Fanuc OiMF control

X / Y / Z axes	510 / 510 / 510mm
Spindle centre to pallet surface	50~560mm
Spindle nose to pallet centre	100~610mm
Pallet top height (from the floor)	1069mm
Pallet size	400 x 400mm
Max work piece size	Ø550 x 850mm
Max load	500kg
Configuration	25-M16 P=80mm
Min indexing degree	0.001°
Indexing speed	1.1 sec / 90°
Pallet clamping force / system	9.8kN x 4 cones / mechanical lock
B axis clamping torque	2900Nm
Spindle speed	12,000rpm (15,000 direct drive opt)
Spindle rated torque	96Nm
Spindle taper	ISO7/24 taper NT no 40
Rapid feed (X/Y/Z)	80,000mm/min
Cutting feed (X/Y/Z)	30,000mm/min
Table rotating speed	37rpm
Acceleration (X/Y/Z)	1.0/1.0/1.0G
Number of pallets	2
Pallet change system	Rotation
APC time (unclamp-clamp)	13 sec
Type of tool shank	MAS BT40/CAT40
Type of pull stud	JIS
Number of tools	40 (60 opt)
Max tool diameter	Ø85mm / Ø140mm (adjacent posts full / empty)
Max tool length	400mm
Max tool weight	8kg
Tool to tool	0.9 sec
Chip to chip	2.8 sec
Spindle motor	15/7.5kW
Feed axis motor (X/Y/Z/B)	4.5/4.5/4.5/2.7kW
Lubrication pump motor	18W
Coolant pumps	600W x 3pcs
Hydraulic pump	2.8kW
Electric voltage	200V
Electric power supply	41KVA
Air pressure	0.4MPa
Air volume	360L
Hydraulic unit tank	10L
Coolant tank	300L
Lubrication unit tank	1.8L
Machine dimensions (LxDxH, w/o swarf conveyor)	1530 x 3958x2788mm
Machine weight	40ATC: 7400kg, 60ATC: 7700kg

**Price on application – call 01273 732286 to discuss our current deals**