

H40A / H50A



The H 40A / H50 horizontal machining center has been designed as a highly productive machine for complex chip machining of moulds, forging dies and parts of flat or box shapes made of steel, gray cast iron and light-metal alloys clamped on the working pallet. The machine enables the milling operations in three mutually perpendicular coordinate axes X, Y, Z and drilling, boring, reaming and threading operations including the usage of tapping heads without aligning bush (RIGID TAPPING) in the Z-axis. The rotary table (B axis) allows workpieces turning from more sides with single clamping. The automatic pallet changer for two pallets increases productivity of work substantially as it allows workpiece clamping, unclamping and measuring on the pallet outside of the working area of the machine while the workpiece clamped on the other pallet on the rotary table is being machined.

	H40A	H50A
Axis information		
X axis travel	22"	29.5"
Y axis travel	22"	27.5"
Z axis travel	22"	30"
B axis travel	360°	360°
Rapid traverse rate	1965 ipm	1965 ipm
Pallet		
Pallet size	15.7" x 15.7"	19.7" x 19.7"
Pallet chage time	10 sec.	10 sec.
Number of pallets	2	2
Max pallet load	660 lb	660 lb
Spindle		
Spindle taper	Cat 40	ISO / Cat 50
Speed range	40 - 10,000 rpm	8000 rpm
Transmission	Belt / gearbox drive	2 speed gearbox
Power		40 - 49 hp
Max torque		337 ft lbs
Tool changer		

Number of tools	45	56
Max. diameter all pockets full	3.34"	4.92"
Max. diameter adjacent pockets empty	4.9"	9.84"
Max tool weight	15 lb	55 lb
Tool to tool time	4 sec	3.1 sec
Accuracy		
Positioning XYZ	* +/- 0.0002"	* +/- 0.0002"
Repeatability XYZ	* +/- 0.0001	* +/- 0.0001
Positioning B	6 arc sec	6 arc sec
Repeatability B	3 arc sec	3 arc sec
