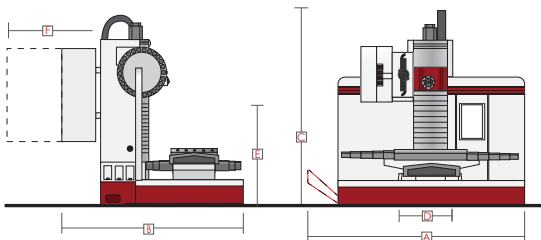


HR SERIES SPECIFICATIONS		HR-40	HR-70	HR-120	HR-160
MACHINE CAPACITY	X Travel	40"	70"	120"	160"
	Y Travel	29"	55"	55"	55"
	Z Travel	25"	36" (46")	50"	50"
	Table Load (Evenly Distributed)	5,000 lbs.	10,000 lbs.	10,000 lbs.	10,000 lbs.
	Table Size	24" x 51"	36" x 80"	40" x 126"	40" x 165"
	T-Slots (No./Width)	5 / 0.709"	5 / 0.866"	7 / 0.709"	7 / 0.709"
	Table Top to Floor	35"	40"	38"	38"
SPINDLE	Motor HP (Peak)	40.0 HP (55 HP)			
	Spindle Speed (RPM)	60 to 6,000 RPM (8,000 and 10,000 RPM)			
	Speed Torque	306 ft/lbs. @ 350 RPM (1,224 ft/lbs. with 2-speed gearbox)			
	Speed Ranges	1 range (2-speed ZF gearbox optional)			
	Tool Type / Taper	CAT 50 or BT-50			
	Spindle Nose to Table Center	2" to 27"	7" to 43"	10" to 60"	10" to 60"
	Spindle Center to Table Top	7.5" to 36.5"	5" to 60"	10" to 65"	10" to 65"
BUILT-IN ROTARY OPTION	Platter Size	24"	36"	40"	40"
	Max. Rotation Speed	12 RPM			
	Max. Table Load	3,000 lbs.	5,000 lbs.	6,000 lbs.	6,000 lbs.
	Positioning Accuracy	12 arc seconds			
	Positioning Repeatability	5 arc seconds			
ATC OPTION	Spindle Center to Table Top	1" to 30"	0" to 53"	2" to 57"	2" to 57"
	Tool Storage Capacity	24 Station Arm Type (30-40-60 tool)			
	Tool Change Time	4 seconds			
	Max Tool Diameter (full)	5.90"			
	Max. Tool Diameter (adjacent empty)	9.85"			
PERFORMANCE	Max. Tool Weight	33.0 lbs.			
	Max. Tool Length	16"			
	Positioning Accuracy	+/- 0.0002"			
	Position Repeatability	+/- 0.0001"			
	Ballscrew Diameter	1.57"	2.18"	3.14"	3.14"
GENERAL INFO	Rapid Transverse	1,000 IPM X, Y, Z	750 IPM X, Y, Z	600 IPM X, Y, Z	600 IPM X, Y, Z
	Cutting Feed Rate	0.001 to 600 IPM			
	Servo Type	AC Digital Brushless			
	Axis Thrust (Peak)	5,000 lbs.	7,500 lbs.	7,500 lbs.	7,500 lbs.
	Air Pressure Requirements	90 PSI; 5 CFM			
GENERAL INFO	Coolant Capacity	100 Gallons			
	Coolant Flow	5 Gal/Min			
	Power Requirements	80 AMP 430-500 VAC (220 VAC optional)			
	Shipping Dimensions* (WxDxH)	73" x 92" x 92"	120" x 94" x 96"	140" x 105" x 105"	180" x 105" x 105"
	Operating Dimensions (WxDxH)	150" x 100" x 100"	180" x 150" x 145"	260" x 150" x 145"	300" x 150" x 145"
Machine Weight	18,000 lbs.	36,000 lbs.	42,000 lbs.	46,000 lbs.	



	HR-40	HR-70	HR-120	HR-160
Overall Width (A)	150"	180"	260"	300"
Overall Depth (B)	100"	150"	150"	150"
Maximum Machine Height (C)	100"	145"	145"	145"
Door Width (D)	50"	77"	125"	170"
Console Height (E)	63"	63"	63"	63"
Electrical Cabinet Swing (F)	36"	36"	36"	36"



Precision Built Solutions™

\* Requires some disassembly to meet these minimum dimensions. Contact factory for more information.

© 2015 Fryer Machine Systems, Inc. rev 092351  
Specifications subject to change without prior notice.