

RH-700HP Rotating Head Cutoff Machine Specifications

	RH-700HP	RH-700HP (7.625)
MATERIAL TO BE PROCESSED		
Maximum Outside Diameter	7.00 in / 178 mm	7.62 in / 193 mm
Minimum Outside Diameter	1.00 in / 25.4 mm	1.25 in / 31.7 mm
Maximum Wall Thickness	1.25 in / 31.8 mm	
Minimum Wall Thickness	0.06 in / 1.52 mm	
FINISHED PART		
Minimum Part Length	0.62 in / 15.8 mm	
Maximum Part Length	Unloader Dependent To Customer Specification	
MACHINE FEATURES		
Cutoff Slides (Std)	4 Slides Synchronized	
Slide Travel - Per Slide	1.88 in / 47.6 mm	
Slide Control	FANUC Beta 12/3000 HVis AC Digital Servo Lever with Counter Balance Actuated via Servo Driven Ball Screw	
Machine Control	PLC GE RX3i HMI GE Quick Panel	
HMI Operator Interface Screens (Std)	<ul style="list-style-type: none"> • Main • Machine • Barfeed • Tool Set-up • Job Set-up • Maintenance • Set-up Parameter • Master Part Database • Part Editing • Fault • Fault History 	
Air Conditioner - Electrical Enclosure	Air Conditioner - Electrical Enclosure 4000 BTU	
Spindle Drive System	Siemens 1PH7163-2ND33-0BA0 AC	
Spindle Horsepower	30 hp / 22 kw Continuous (60 min Rating)	
Spindle Speed Range	10-800 rpm	
Mist Coolant - Cutting Tool Lubrication System	AMCOL Model 6000	
Central Lubrication System	<ul style="list-style-type: none"> • Bijur "Surefire" • Servo Loader Ways • Servo Loader Pinion • Unload Vise Ball Screw 	
Hydraulic System	5 hp, 10 gpm @ 700 psi Hydraulic System 30 Gal Capacity Mobil DTE 24 Recommended	
MACHINE WORKHOLDING		
Incoming Side	<ul style="list-style-type: none"> • Parallel Closing Collet Chuck • Hydraulic Actuation • 1 in Diameter Range per Collet Pad Set 	
Unload Side	<ul style="list-style-type: none"> • Heavy Duty Vise • Hydraulically Actuated Jaws • 1 in Diameter Range per Vise Jaw Set • Servo Driven Vise Carriage • FANUC Beta 8/3000 HVis AC Digital Servo 	
Servo Pusher Tube Feeder	<ul style="list-style-type: none"> • Controls Tube Movement and Finished Part Length • Pneumatically Operated Gripper 0.88 in Travel (diameter) • Servo Driven Carriage via Rack and Pinion Drive • FANUC Beta 8/3000 HVis AC Digital Servo 	
TUBE LOADING SYSTEM - STD 24 ft		
Incoming Material Maximum Length	26 ft / 7.9 m	
Incoming Material Minimum Length	11 ft / 3.4 m	
Maximum Material Weight per Length	60 lb/ft / 89.4 kg/m	
Inlet Skid Width	30 in / 762 mm	
Tube Support	6 V-rolls, electrically actuated height adjustment	
ELECTRICAL POWER & CAPACITIES		
Electrical Power	460 vac, 3 phase, 60 hz, 80 kva	
Main Breaker	100 amp	
Pneumatic Requirements	16 scfm @ 80 psi	
Hydraulic Power Unit Capacity	30 Gal / 114 L	
Hydraulic Capacity Including Machine Base	80 Gal / 303 L	
Mist Coolant System Capacity	0.7 Gal / 2.7 L	
Central Lubrication System Capacity	0.5 Gal / 1.9 L	
SIZE & WEIGHT, 24 ft LOADER, 12 in UNLOADER		
Machine Height	82.5 in / 2.1 m	
Floor Space Requirements (Width x Length)	541 x 149 in / 13.7 x 3.8 m	
Shipping Dimensions (Height x Width) (Base Cutoff Machine)	82.5 x 73 in / 2.1 x 1.85 m	
Machine Weight (Base Cutoff Machine)	8,680 lb / 3,937 kg	

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