

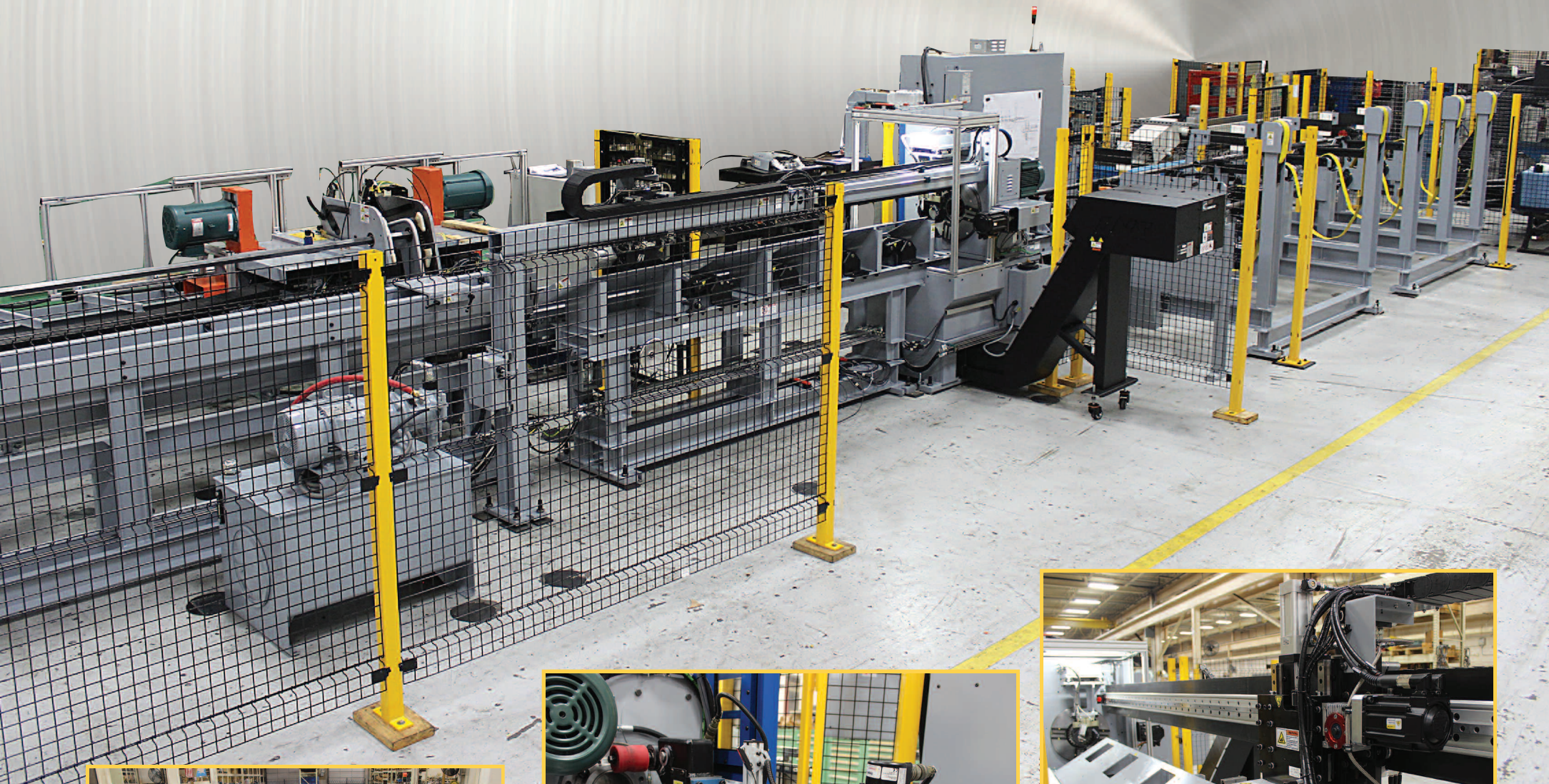
A UNIQUE TUBE AND BAR PROCESSING SYSTEM LIKE NO OTHER

RH450HP Rotating Head Cutoff

BARDONS & OLIVER

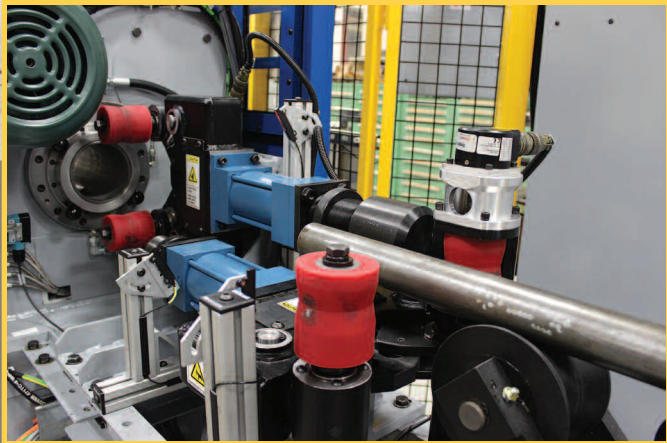
RH SERIES CUT-OFF MACHINE SPECIFICATIONS

RH-450HP	
MATERIAL TO BE PROCESSED	
Maximum Outside Diameter – inch/mm	4.50 / 114.3
Minimum Outside Diameter – inch/mm	0.625 / 15.88
Maximum Wall Thickness – inch/mm	1.00 / 25.4
Minimum Wall Thickness – inch/mm	0.02 / 0.50
FINISHED PART	
Minimum Part Length – inch/mm	1.00 / 25.4 (< 4.00 / 100.0 Requires Special Stop Nose)
Maximum Part Length	Unloader Dependent To Customer Specification
MACHINE FEATURES	
Cut-Off Slides (Std)	4 Slides Synchronized
Slide Travel - Per Slide – inch/mm	0.787 / 20.0
Machine Control	PLC AB CompactLogix HMI AB Panel View Plus
HMI Operator Interface Screens (Std)	• Main • Machine • Barfeed • Tool Set-up • Job Set-up • Maintenance • Set-up Parameter #1 & #2 • Master Part Database • Part Editing • Fault • Fault History
Air Conditioner - Electrical Enclosure	4000 BTU
Spindle Drive System	AB Power Flex
Spindle Power	10 hp / 7.5 kw Continuous (60 min Rating)
Spindle Speed Range – rev/min	10-1200
Mist Coolant -	
Cutting Tool Lubrication System	AMCOL Model 6000
Central Lubrication System	Farval or Graco (Trabon)
Hydraulic System	• 5 hp 10 gpm @ 800 psi • 30 Gal Capacity • Mobil DTE 24 Recommended
MACHINE WORKHOLDING	
Collet Chuck	• Heavy Duty 3-Jaw Collet Chuck - Pads per OD Size • Hydraulic Cylinder Actuation
Vise	• Heavy Duty 2-Jaw Vise - Pads per OD Size • Pneumatic Actuation
TUBE LOADING SYSTEM - Std 24 ft	
Incoming Material Maximum Length – ft/m	24 / 7.3
Incoming Material Minimum Length – ft/m	10 / 3.05
Automatic Bundle Loader	
Max Bundle Weight -- lb / kg	5000 / 2200
Inlet Skid Width – in/mm	25 / 635
Tube Support	6 V-rolls, Manual Height Adjustment for Tube O.D. Change Over
Tube Drive	2 Hydraulically-Driven Pinch Rollers
ELECTRICAL POWER & CAPACITIES	
Electrical Power	460 vac, 3 phase, 60 hz, 50 kva
Main Breaker	60 amp
Pneumatic Requirements	6 scfm @ 80 psi
Hydraulic Reservoir Capacity – Gal/L	30 / 114
Mist Coolant System Capacity – Gal/L	2.5 / 9.5
Central Lubrication System Capacity – lb / kg	8 / 3.6
SIZE & WEIGHT, 24' Loader, 10' Unloader, Double Ender	
Machine Height – in/m	90.0 / 2.3
Floor Space Requirements (Width x Length) – in/m	656 x 256 / 16.7 x 6.5
Machine Weight – lb/kg (Base Cut-Off Machine)	4500 / 2045



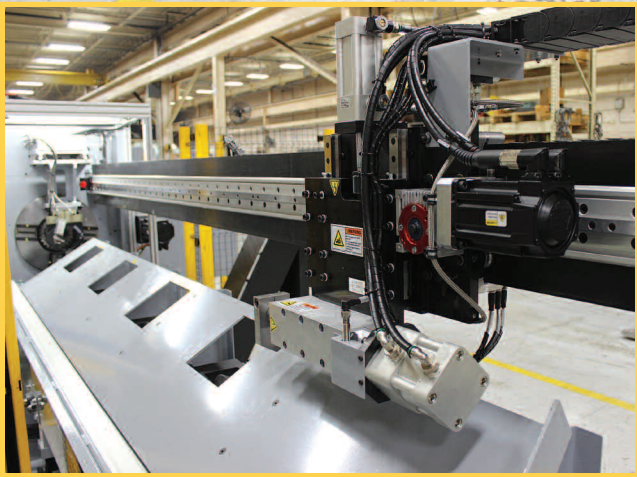
LOADING BUCKS

- Efficiently handle incoming bundles
- Adjustable overhead plates ensure single tube processing



FEED ROLLS

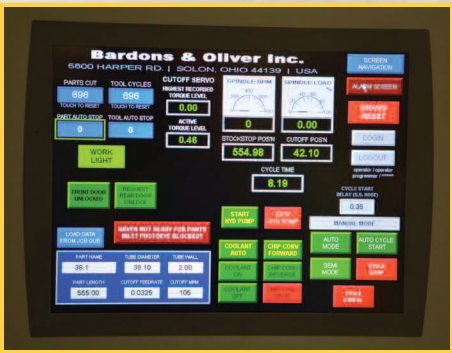
- Pneumatically operated, hydraulically driven
- Positions the tube accurately at high speed
- Encoder feedback



PART STOP

- Servo-Controlled
- Quick, accurate setup of part length

[www.bardonsoliver](http://www.bardonsoliver.com)



From Start to Finish the RH450HP
a Model of Productivity and Efficiency

Please visit our website to learn more about Bardons & Oliver Tube & Bar Processing Machines, CNC Turning Machines, System Automation, and Robotics Integration. You'll find videos, downloadable literature, technical information and more.

BARDONS & OLIVER



Bardons & Oliver, Inc.

5800 Harper Road • Solon, Ohio 44139

(440) 498-5800 • Fax: (440) 498-2001

E-Mail: information@bardonsoliver.com

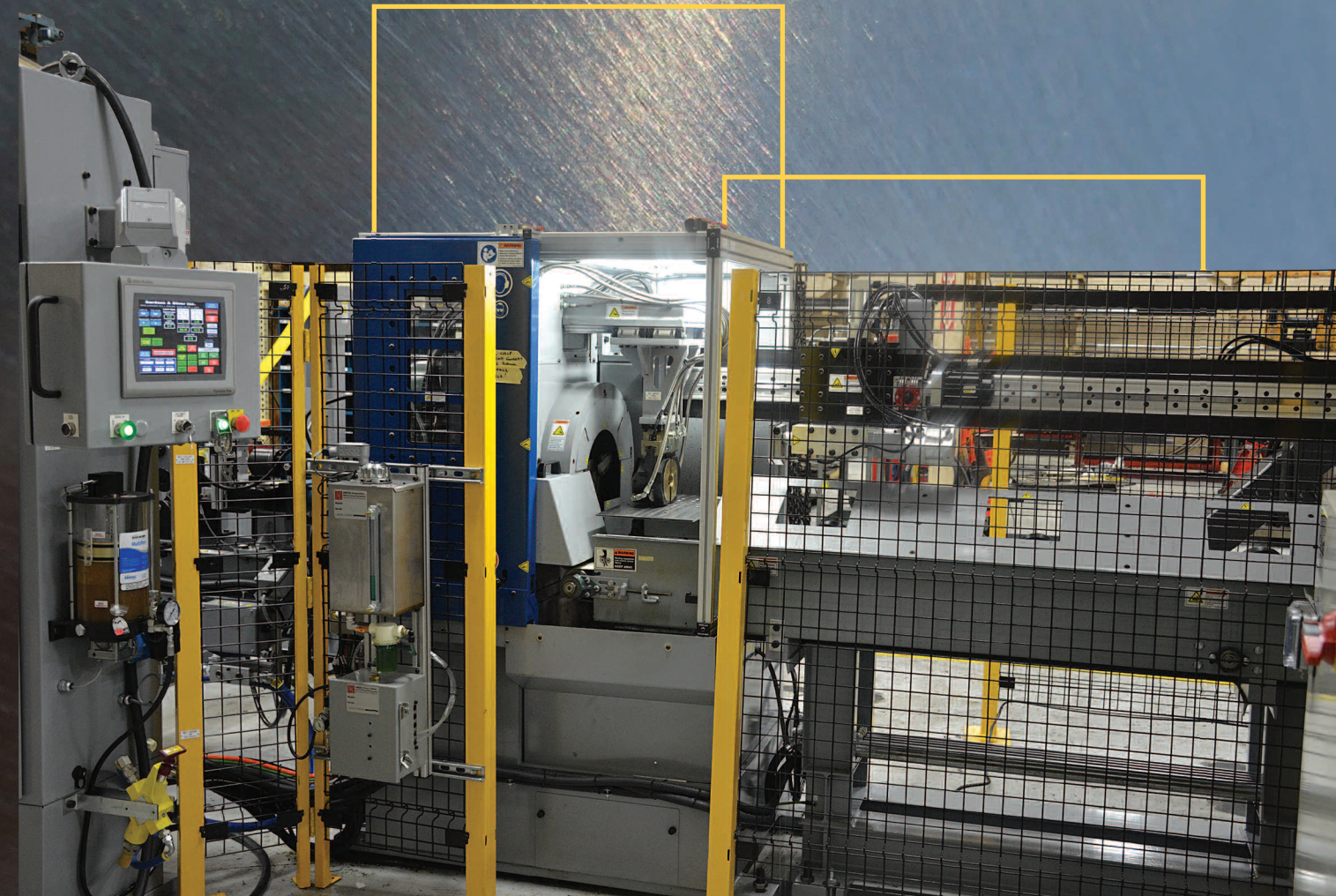
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RH450HP - ROTATING HEAD CUTOFF LATHE



Raw Material To Process Ready in Seconds