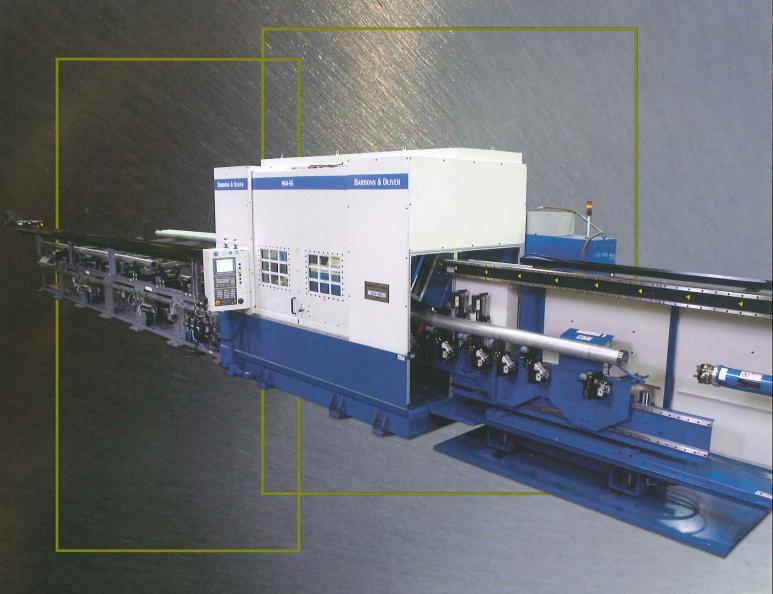
BARDONS & OLIVER

A New Generation of CNC Lathes

Single Spindle Big Bore
Opposed Twin Spindle
Center Drive

Model BB Model SS Model CTR



Three Solutions for Processing Tube and Bar

PROCESS TUBE & BAR INTO COMP



LEX COMPONENTS

WITH NO LIMITATIONS



The third machine in this family of high-efficiency turning machines is the center drive lathe. Parts are gripped in the middle while complex machining is performed on both ends at the same time. No re-gripping or relocating of the part allows the highest specifications to be met. The result is dead true tolerances, held end-to-end, unmatched by any other configuration of turning center.

BARDONS &	OLIVE	R CNC LATH	F SPECIFIC	ATIONS _
BAIIDONO	OLIVE	500	650	850
ATHE MODEL & GENERAL SPECI	FICATIONS	S. Hawkinster, at the	TALL THE LOS	No. of the latest and
Single Spindle Big Bore		500-BB	650-BB	850-BB
Opposed Twin Spindle		500-SS	650-SS	850-SS
Collet Size	inch/mm	5.25 / 133.3	6.50 / 165.1	8.50 / 215.9
Chuck Size(s)	inch	12 ~ 15 ~ 18	12 ~ 15 ~ 18	12 ~ 15 ~ 18
0.1.11.11	mm	305 ~ 381 ~ 450	305 ~ 381 ~ 450	305 ~ 381 ~ 450
Spindle Nose	Am Std	11-A2	11-A2	15-A2
Spindle Bore Bar Capacity	inch/mm inch/mm	5.37 / 136.4 5.25 / 133.3	6.56 / 166.6 6.50 / 165.1	8.75 / 222.3 8.50 / 215.9
Linear Guides	IIICII/IIIIII	0.207 100.0	Size #55	0.007210.9
Spindle Design		Angular Contact Ball Bearings		
Spindle Speed	rev/min	35-2500	35-2500	35-1600
	-	THE RESERVE OF THE PARTY OF THE	Belt Driven	00 1000
Max OD Turning Length	inch/mm	18 / 457.2	18 / 457.2	18 / 457.2
Max Turn Diameter	inch/mm	17 / 431.8	17 / 431.8	17 / 431.8
RIVE SPECIFICATIONS	Name and Address of the Owner, where	Charles and the last	NAME OF TAXABLE	AT THE WATER
CNC Control System (Std)			FANUC 32i Series	
Spindle Drive System (Std)		FANUC a22/7000HVi Alpha A		/6000HVi Alpha AC Digit
Spindle HP/Drive (Std)	THE R. P. LEWIS CO., LANSING	30 HP Continuous (60 min Rating) 40 HP Continuous (60 min Rating)		
Opt Spindle Drive System		FANUC a30/6000HVi Alpha AC Digital FANUC a40/6000HVi Alpha AC Digital		
Opt Spindle HP/Drive	FEDERAL STREET	40 HP Continuous (60 min Rating) 50 HP Continuous (60 min Rating)		
Servo Drive System		FANUC Alpha HVi AC Digital		
X-Axis Servo / Thrust		a40/4000HVi (4,900 lb Continuous)		
Z-Axis Servo / Thrust		a12/4000HVi (1,523 lb Continuous)		
Max Programmable Feed Rate		200in/min / 5.1m/min		
Max Rapid Traverse Rate	1.11	750in/min / 19.1m/min		
X-Axis Travel X-Axis Ballscrew	inch/mm	17.5 / 444.5		
A-AXIS DAIISCIEW	inch mm	1.97 OD x .394 Lead 50.0 OD x 10.0 Lead		
Z-Axis Travel	inch/mm	20.0 / 508		
Z-Axis Ballscrew	inch	1.97 OD x .394 Lead		
2 rollo Dalloofor	mm		50.0 OD x 10.0 Lead	
JRRET			TOTAL CONTRACTOR	TRAPA.
Turret Stations			12-Station	
Tool Interface		VDI-50		
Turret Index System		Bi-Directional / Skip Index		
			Curvic Coupling, Hyd Cla	mping
OD Turning Tool Size (Std)	inch		x 5.00 Square Shank	
	mm	25.4 x 127.0 Square Shank		
ID Boring Bar Diameter (Std) inch		2.00 Maximum		
	mm		50.8 Maximum	
PTIONAL LIVE TOOLING				
Live Tooling Horsepower	hp/kw		.5 / 5.6, 12-Stations	
Live Tooling Drive Motor	hn/lau		ANUC a22/4000 HVi	
Available Upgrade Drive Motor	hp/kw		.0 / 9.0, 12-Stations . ANUC a30/4000 HVi	
A - 11 - 11 - 1	hp/kw		0 / 11.0, 12-Stations	
Drive Motor	прику		ANUC a40/4000 HVi	
Live Tooling Speed	rev/min		4,000	
Live Tooling Torque		265 in-lb	Continuous, 883 in-lb Pe	ak
Max Drilling Capability	inch/mm		1.00 / 25.4	
Live Tooling Collet Size		ER40 (1.18	1" Max Tool Shank Diam	eter)
TIONAL "Y" AXIS			=500 R 4140	
Servo Drive System		FANL	JC Alpha HVi AC Digital	
Y-Axis Servo / Thrust		a30/4000HVi (3,807 lb Continuous)		
Max Axis Programmable Feed	Rate	200in/min / 5.1m/min		
Max Axis Rapid Traverse Rate		750in/min / 19.1m/min		
Y-Axis Travel	inch/mm	+/- 3.0 / 76.2		
Y-Axis Ballscrew	inch		.97 OD x .394 Lead	
	mm	5	0.0 OD x 10.0 Lead	
ECTRICAL POWER & CAPACITIES	3	21 Ch 9 Ch 179		
Electrical Power			ac, 3 phase, 60 hz, 90 kv	
Main Breaker	0.10		le Machine, 2x100 amp T	
Hydraulic Reservoir Capacity	Gal/L		114 30 / 114	
Coolant System Capacity	Gal/L		et Machine, 100 / 378 Tw	Towns I Ad

10.25" Bar Capacity Single Spindle Big Bore Model 1025-BB or Opposed Twin Spindle Model 1025-SS - Consult Factory

Center Drive Lathe Information and Specifications - Consult Factory

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

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