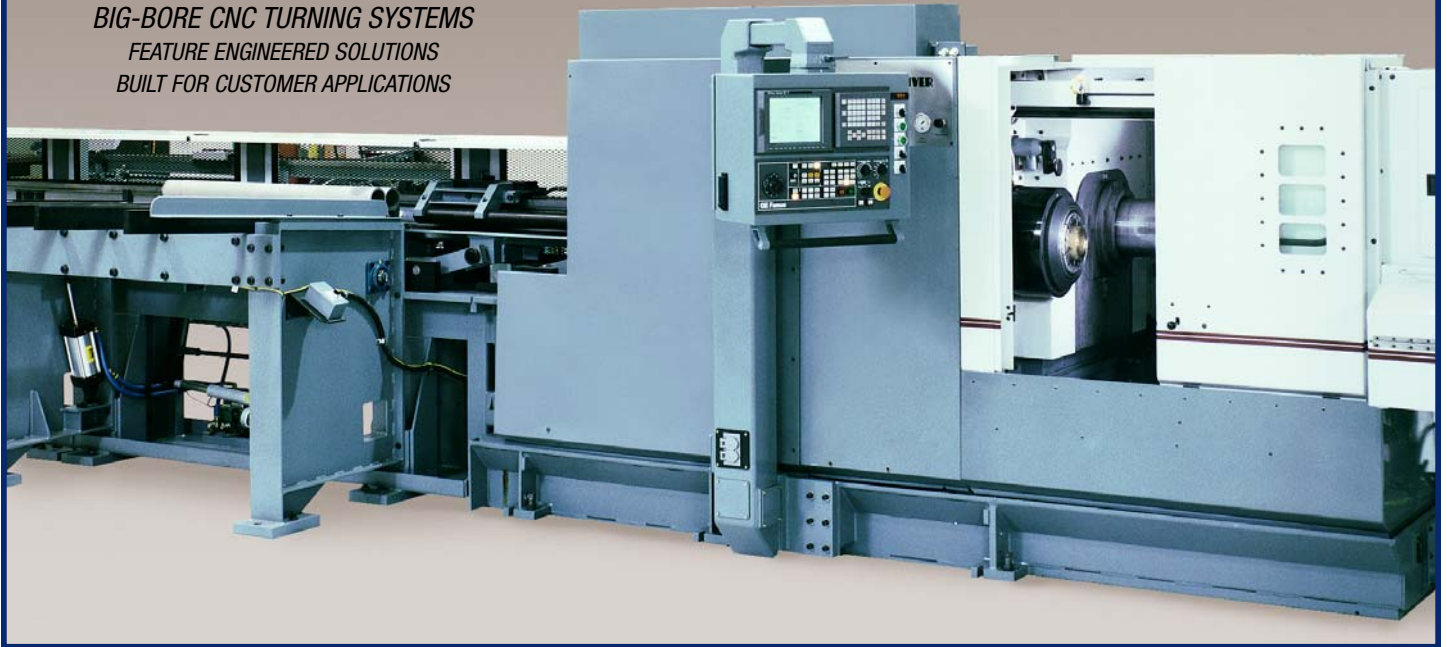


Large Diameter Bar & Tube Processing Made Easy

*BIG-BORE CNC TURNING SYSTEMS
FEATURE ENGINEERED SOLUTIONS
BUILT FOR CUSTOMER APPLICATIONS*

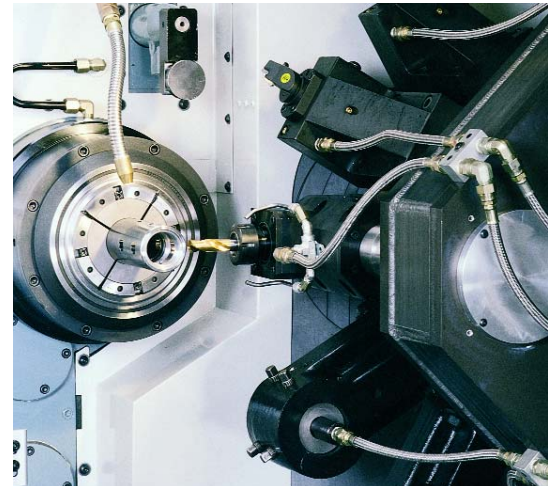


3" 5" 6.5" 8" 10" or 12" Thru-Hole Capacities

All B&O Big-Bore Machines feature:

- High Spindle Speeds
Up to 3,000-RPM
- Advanced Spindle Design
Angular Contact Ball Bearings
Polymer Composite Housing Construction
Protective Closure Systems
Maintenance-Free Bearing Lubrication
- High-Horsepower AC Spindle Drive
40, 54 or 80-HP
- GE-Fanuc 18i Series CNC Control
Digital AC Servo Drive Systems
- Heavy-Duty Cast Iron Machine Base
2" x 4" Hardened Steel Box Ways
- Maximum Thermal Stability and Vibration Damping
- Optional Independent Cut-Off Slide
Programmable and Servo Driven
- Bar & Tube Loading Systems
Automatic Magazine Loading
Handles Incoming Material up to 40-Ft long
Optional Bundle Unscrambler
- Part Unload and Remnant Removal Systems
Unloads Finished Parts up to 15-Ft long

These high-performance machines are domestically built at a competitive price, available with prompt delivery and feature full factory support and training. Call, fax or e-mail us for details.



In addition to its large collet capacity, the Big-Bore Line offers 12 or 15 station, interference-free turrets with optional live tooling.

BARDONS & OLIVER

110 years of excellence built into every machine.

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E-Mail: info@bardonsoliver.com
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Big-Bore 2-Axis CNC Turning Machines

(3.00" - 8.00" Capacity)

	1SC-300	2SC-500	2SC-650	2SC-800
COLLET (STD)	3.00" COLLET	5.00" COLLET	6.50" COLLET	8.00" COLLET
CHUCK (OPT)	12"	15"	15" & 18"	18"
SPINDLE NOSE	8"-A2	11"-A2	11"-A2	15"-A2
SPINDLE BORE	3.03"	5.03"	6.53"	8.03"
ROUND BAR CAPACITY (MAX)	3.00"	5.00"	6.50"	8.00"
MAX TURNING LENGTH	15.13"	16.25"	16.25"	16.25"
MAX TURNING DIAMETER	12.00"	15.00"	15.00"	15.00"
CNC CONTROL	GE-FANUC 18i	GE-FANUC 18i	GE-FANUC 18i	GE-FANUC 18i
SPINDLE SPEED RANGE (STD)	35-3,000-RPM BELT-DRIVEN	35-3,000-RPM BELT-DRIVEN	35-2,000-RPM BELT-DRIVEN	35-1,600-RPM BELT-DRIVEN
SPINDLE DRIVE (STD)	SIEMENS AC	SIEMENS AC	SIEMENS AC	SIEMENS AC
SPINDLE HORSEPOWER (STD)	30-HP CONTINUOUS 60-MIN RATING	54-HP CONTINUOUS 60-MIN RATING	54-HP CONTINUOUS 60-MIN RATING	54-HP CONTINUOUS 60-MIN RATING
SERVO DRIVE SYSTEM	GE-FANUC ALPHA AC DIGITAL	GE-FANUC ALPHA AC DIGITAL	GE-FANUC ALPHA AC DIGITAL	GE-FANUC ALPHA AC DIGITAL
MAX AXIS FEED RATE MAX AXIS TRAVERSE RATE	200-IPM 400-IPM	200-IPM 400-IPM	200-IPM 400-IPM	200-IPM 400-IPM
X-AXIS TRAVEL Z-AXIS TRAVEL	6.25" 8.75"	7.75" 12.00"	7.75" 12.00"	7.75" 12.00"
TURRET / STATIONS	12-STD 15-OPT BI-DIRECTIONAL SKIP-INDEX INDEX ANYWHERE	12-STD 15-OPT BI-DIRECTIONAL SKIP-INDEX INDEX ANYWHERE	12-STD 15-OPT BI-DIRECTIONAL SKIP-INDEX INDEX ANYWHERE	12-STD 15-OPT BI-DIRECTIONAL SKIP-INDEX INDEX ANYWHERE
TOOL SHANK SIZE (STD)	1.00" x 5.00"	1.25" x 6.00"	1.25" x 6.00"	1.25" x 6.00"
MAX BORING BAR DIAMETER	2.50"	3.00"	3.00"	3.00"
LIVE TOOLING HP (OPT) LIVE TOOLING TORQUE LIVE TOOLING COLLET SIZE	10-HP 795 IN-LB CONT ER40 (1.181")	10-HP 795 IN-LB CONT ER40 (1.181")	10-HP 795 IN-LB CONT ER40 (1.181")	10-HP 795 IN-LB CONT ER40 (1.181")
ELECTRICAL POWER	460-VAC 3-PH 60-HZ 75-KVA	460-VAC 3-PH 60-HZ 90-KVA	460-VAC 3-PH 60-HZ 90-KVA	460-VAC 3-PH 60-HZ 90-KVA
COOLANT CAPACITY	55-GAL	80-GAL	80-GAL	80-GAL
MACHINE HEIGHT	94.00"	94.00"	94.00"	94.00"
FLOOR SPACE	92"-W x 162"-LG	130"-W x 166"-LG	130"-W x 166"-LG	130"-W x 166"-LG
MACHINE WEIGHT	14,500-LB	20,000-LB	20,500-LB	21,500-LB