



Model MSSP-1000R-6



Model MSSP-1000L-3



Valve Block Bore-Finishing



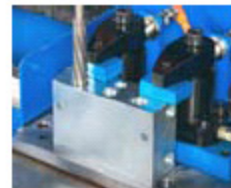
Con-Rod & Tools



6 Spindles w/ Rotary Table



Single-Pass Sintered Diamond Sleeves



Manual Parts Fixture



3 Spindles w/ Lateral Table

## SERIES MSSP SINGLE-PASS BORE FINISHING SYSTEMS

### Barnes Series MSSP Vertical-Spindle Bore-Finishing System Features

- Heavy-Duty, Compact Base w/one or more column assemblies arranged for single/multiple spindles
- Ball screw tool feed system
- Lateral, X-Y or Rotary tables available for parts processing flexibility
- Intuitive, menu-driven, programmable system controller, with color touch-screen HMI
- Individual spindle motor torque measurement system available for monitoring tool performance
- "Open" design allows for easy operator access, maintenance and automation implementation
- Post-Process Gauging options include servo column mounted or bench mounted air gauging systems
- Spring-Loaded Pre-Gauging System available for protection against tool-crashing
- Equipment design compatible with a variety of tool options including sintered, electro-plated & brazed super-abrasive sleeves

Specifications	MSSP-1000	MSSP-2000
Bore Diameter	0.050" - 2.00"	1.00" - 4.00"
Spindle Power (HP)	1-3 HP per spindle	3-5 HP per spindle
Spindle Speeds (RPM)	300 - 4,000	100 - 2,000
Spindle Drive	Direct Drive or Serpentine Belt	Direct Drive or Serpentine Belt
Stroke Length	Up to 20"	Up to 20"
Spindle Configuration	Single/Multiple	Single/Multiple
Control System	PLC	PLC
Parts Handling Table	Fixed, Lateral, Rotary, X-Y	Fixed, Lateral, Rotary, X-Y
Column Configuration	Single/Multiple	Single/Multiple
Voltage Requirement	380 or 460V/50 - 60Hz	380 or 460V/50 - 60Hz
Stroke Control	Servo-Motor & Ball-Screw	Servo-Motor & Ball-Screw
Shipping Weight	3,000 lbs. (approx.)	5,500 lbs (approx.)
Approximate Length/Width	48" x 44"	57" x 52"