



Simple is the Best

**ROTARY
SERIES**



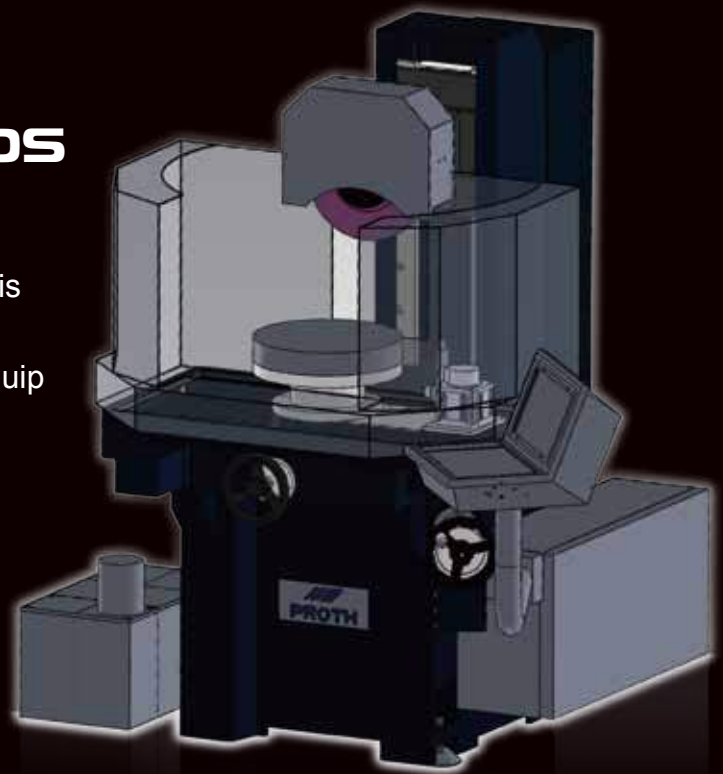
ROTARY TABLE SURFACE GRINDER

A COMBINATION OF HIGH PERFORMANCE AND OPERATIONAL EASE

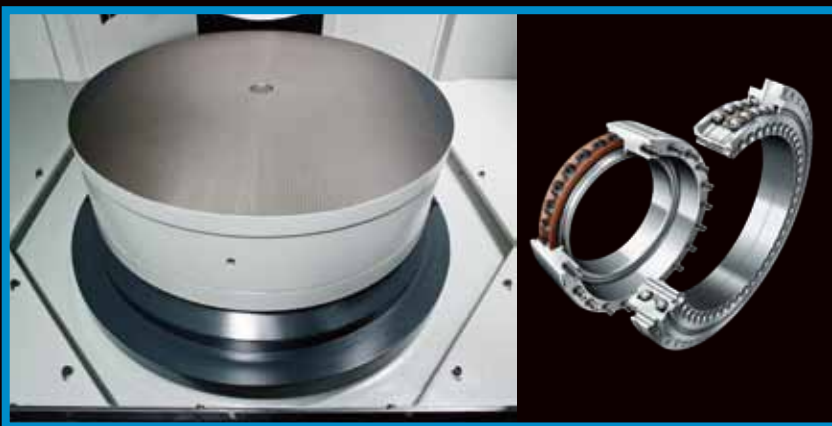
PSRS SERIES

PSRS 200S/300S/400S

- + Traveling saddle configuration.
- + Cross feed is driven by AC motor, vertical feed is driven by servo motor.
- + Cross feed and vertical feed are available to equip with linear scale. (Optional)
- + Cross feed on double "V" slideways.
- + The rotary table is supported by bearings.

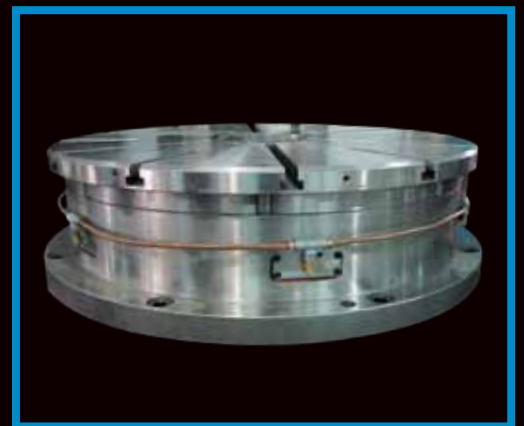


PSRS 400S



High Accuracy, High Rigidity Bearing Supported Rotary Table

- + With the use of German made bearings, the axial and radial runout of the rotary table bearings can reach within 5 μ m.



Hydrostatic Rotary Table (Optional) (RSRC series only)

- + Outstanding table stability.

PERFORMANCE

PSRC SERIES

PSRC 500S/600S PSRC 800S/1000S

- + Traveling column configuration.
- + Cross feed and vertical feed are driven by servo motors.
- + Cross feed and vertical feed are available to equip with linear scale. (Optional)
- + Cross feed on double "V" slideways.
- + The rotary table is supported by bearings.
- + Hydrostatic rotary table. (Optional)
- + Two axes are servo controlled.



PSRC 600S



PSRC 800S

COLUMN TYPE ROTARY TABLE SURFACE GRINDER

HYDROSTATIC DESIGN CREATES MORE SMOOTH PERFORMANCE

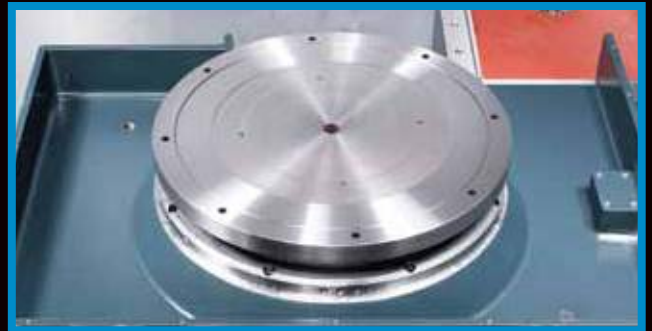
PSRC SERIES

PSRC 600H

- + Hydrostatic rotary table.
- + Hydrostatic spindle.
- + Fixed column construction.
- + Column is equipped with an air / oil combination cylinder.
- + Variable lead worm/worm gear unit.
- + Hydrostatic slideways on Z-axis.
- + Z-axis is directly driven by servo motor.
- + Cross feed and vertical feed are available to equip with linear scale. (Optional)
- + CNC control.
- + Fully enclosed splash guard.

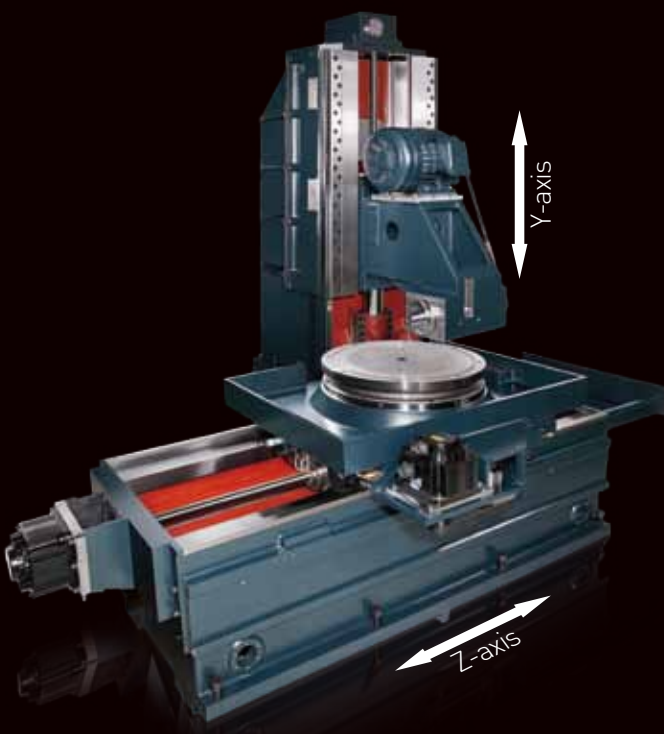
TEMPERATURE CONTROLLED THROUGHOUT

PROTH PSRC600H is specially designed with the most comprehensive temperature control, that reduces thermal deformation of the machine to a minimum.



Hydrostatic Rotary Table

- + Outstanding table stability.



MORE STABLE,

SPECIFICATIONS

MODELS		PSRS			PSRC				
		200S	300S	400S	500S	600S	800S	1000S	
General Capacity	Max. grinding radius	mm	120	160	220	290	340	450	550
	Spindle center height from table	mm	300	350	400	500			
	Max. height from table top to bottom of standard wheel	mm	210	220	220	322			
	Table diameter	mm	200	300	400	500	600	800	1000
Rotary Table	Max. speed	r.p.m.	10-100			10-60 (Hyd. Table 10-80)		10-60	
	Table motor		120W (0.4kW)	120W (0.75kW)	1kW	1.5kW/2HP (Hyd. Table 2kW)		3.5kW	
Cross Movement	Continuous cross feed	mm/min	1100			50-1500			
	Hand feed per revolution		-			0.1mmx1/x5/x10			
	Hand feed per division		-			0.001mmx1/x5/x10			
	Rapid traverse approx. (option) (50Hz)	mm/min	220						
Vertical Downfeed	Hand feed per revolution		0.1mmx1/x5/x10						
	Hand feed per division		0.001mmx1/x5/x10						
Grinding Wheel	Dimension (O.D. x W x I.D.)	mm	180x13x31.75	355x38x127		355x50x127			
	Spindle speed (50/60Hz)	r.p.m.	2850/3450	1450/1750		1500/1800			
Motor	Spindle motor		1.1kW/1.5HP		3.7kW/5HP		3.7kW/5HP (7.5kW/10HP)		7.5kW/10HP (11kW/15HP)
Weight	Net weight	kg	850	1400	1650	4500	5000	6500	7000
	Gross weight	kg	930	1600	1800	5500	6000	8000	8500
Machine Size	Dimension (L x W x H)	m	1.4x1.5x2.1	1.6x1.6x2.1	1.8x1.6x2.1	2.5x1.9x2.6		4.1x2.2x2.5	

MODELS		PSRC600H
General Capacity	Max. grinding radius	350mm
	Spindle center height from table	580mm
	Max. height from table top bottom of standard wheel	402mm
Rotary Table	Table diameter	600mm
	Max. speed	80 r.p.m.
Longitudinal Movement (Z-axis)	Max. speed	150mm/min
	Hand feed per revolution	0.01mmx1/x10/x100
	Hand feed per division	0.0001mmx1/x10/x100
Vertical Downfeed (Y-axis)	Rapid traverse-approx.	600mm/min
	Hand feed per revolution	0.01mmx1/x10/x100
	Hand feed per division	0.0001mmx1/x10/x100
Grinding Wheel	Dimension (O.D x W x I.D)	355x50x127mm
	Spindle speed (50/60Hz)	1500/1800 r.p.m.
Motor	Spindle motor	5.6kW/7.5HP
	Table motor	2kW
Weight	Net weight	6000kg
	Gross weight	7100kg
Machine Size	Dimension (L x W x H) (m)	2.85x1.9x2.95

- Since we subscribe to a process of continuous improvement for our products, specifications are subject to change without notice.
- Machine appearance will change depending upon different optional equipment selected.
- Equipment marked with () is available at additional extra charge. Other special applications may be provided upon specific requests from customers. Please contact us for more details.
- Machines are shown with optional equipment's.

PSRC Standard Equipment:

- + Wheel
- + Wheel Balancer
- + Wheel Balancing Arbor
- + Wheel Flange
- + Table Mounted Diamond Dresser
- + Tools & Tool Box
- + Levelling Bolts and Pads.
- + Instructional Maintenance Manual
- + Criss Cross Grinding
- + Auto Down Feed (2 Axes Automatic Dresser and Auto Compensation)
- + Round Electro Magnetic Chuck

PSRC Optional Equipment:

- + Hydrostatic Rotary Table
- + Automatic Paper Strip Filter with / without Magnetic Separator
- + Spare Flange

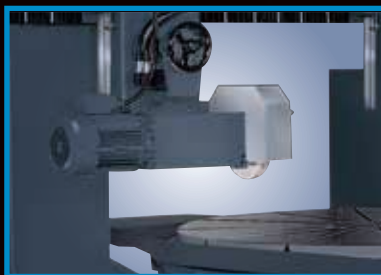
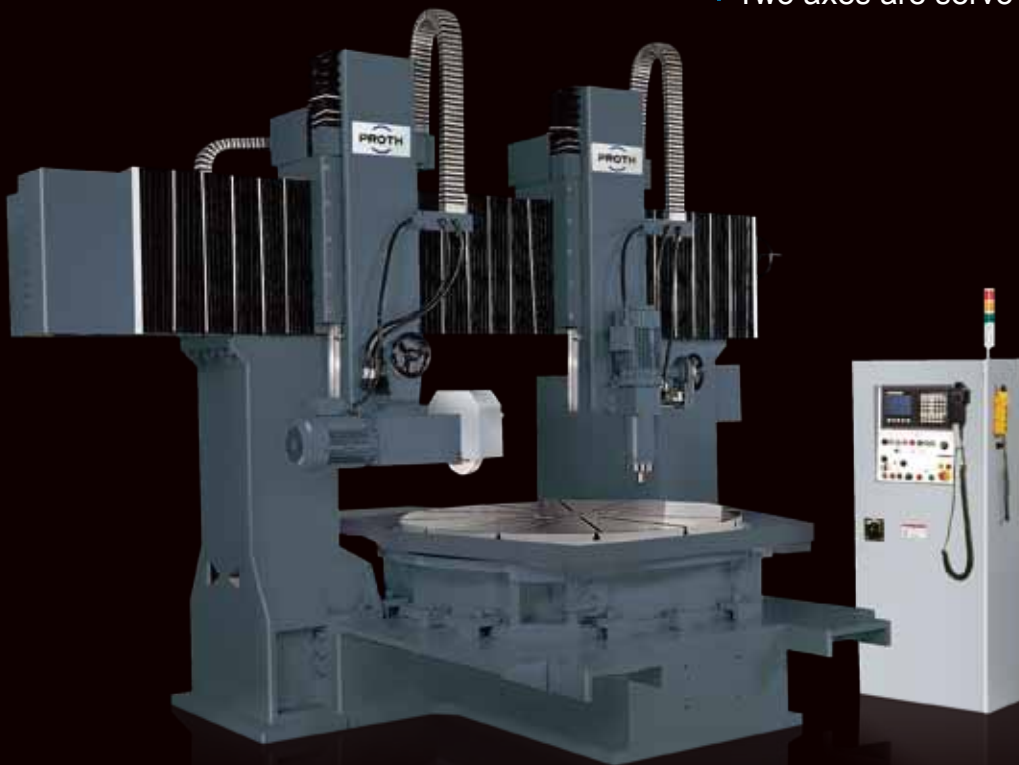
DOUBLE COLUMN ROTARY TABLE SURFACE GRINDER

STATE-OF-THE-ART STRUCTURE ASSURES TOP STABILITY

PSRP SERIES

PSRP 1000S / 1200S / 1500S

- + Cross feed and vertical feed are driven by servo motors.
- + Horizontal spindle head.
- + Vertical spindle head (Optional)
- + Double column construction and extra large diameter of rotary table.
- + The rotary table running is driven by a powerful motor and controlled by a frequency inverter.
- + Two axes are servo controlled.



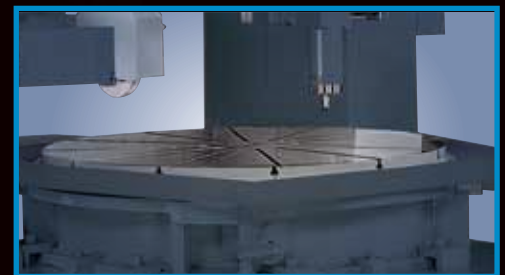
Horizontal Spindle Head

- + The wheel head is driven by a powerful motor, allowing for heavy grinding to increase efficiency.
- + Vertical feed is servo controlled.



Vertical Spindle Head (Optional)

- + The vertical spindle head can be tilted 45° each to right and left, making it suitable for grinding angular surface.
- + Manual angle adjustment is standard. Powered adjustment is available (optional).



Rotary Table

- + The left and right moving speed can be matched properly with the back and forth moving speed of the wheelhead to achieve an excellent grinding result.

SPECIFICATIONS

MODELS		PSRP			
		1000S	1200S	1500S	
General Capacity	Max. grinding radius	mm	600	700	800
	Vertical grinding diameter	mm	Ø200 ~ Ø1000	Ø200 ~ Ø1200	Ø200 ~ Ø1500
	Spindle center height from table	mm	900 (1100)		
	Max. height from table top to bottom of standard wheel	mm	645		
	Table diameter	mm	1100	1300	1500
Rotary Table	Max. speed	r.p.m.	10 ~ 60		
	Table motor		3.75kW/5HP		
Cross Movement	Continuous cross feed	mm/min	3000		
	Hand feed per revolution	mm	10		
	Hand feed per division	mm	0.05		
Vertical Downfeed	Rapid traverse approx. (option) (50Hz)	mm/min	220		
	Hand feed per revolution		0.1mmx1 / x5 / x10		
	Hand feed per division		0.001mmx1 / x5 / x10		
Grinding Wheel	Dimension (O.D. x W x I.D.)	mm	510 x 100 x 203		
	Spindle speed (50/60Hz)	r.p.m.	1150		
Motor	Spindle motor		11 (15)kW/15(20)HP		
	Vertical head spindle motor		7.5kW/10HP		
Weight	Net weight	kg	15000	16000	18000
	Gross weight	kg	16500	18000	21000
Machine Size	Dimension (L x W x H)	m	3 x 4.2 x 3.8		

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PSRP Standard Equipment:

- + Wheel
- + Wheel Balancer
- + Wheel Balancing Arbor
- + Wheel Flange
- + Table Mounted Diamond Dresser
- + Tools & Tool Box
- + Levelling Bolts and Pads.
- + Instructional Maintenance Manual

PSRP Optional Equipment:

- + Hydrostatic Rotary Table
- + Vertical Spindle Head
- + Automatic Paper Strip Filter
with / without Magnetic Separator
- + Spare Flange



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