

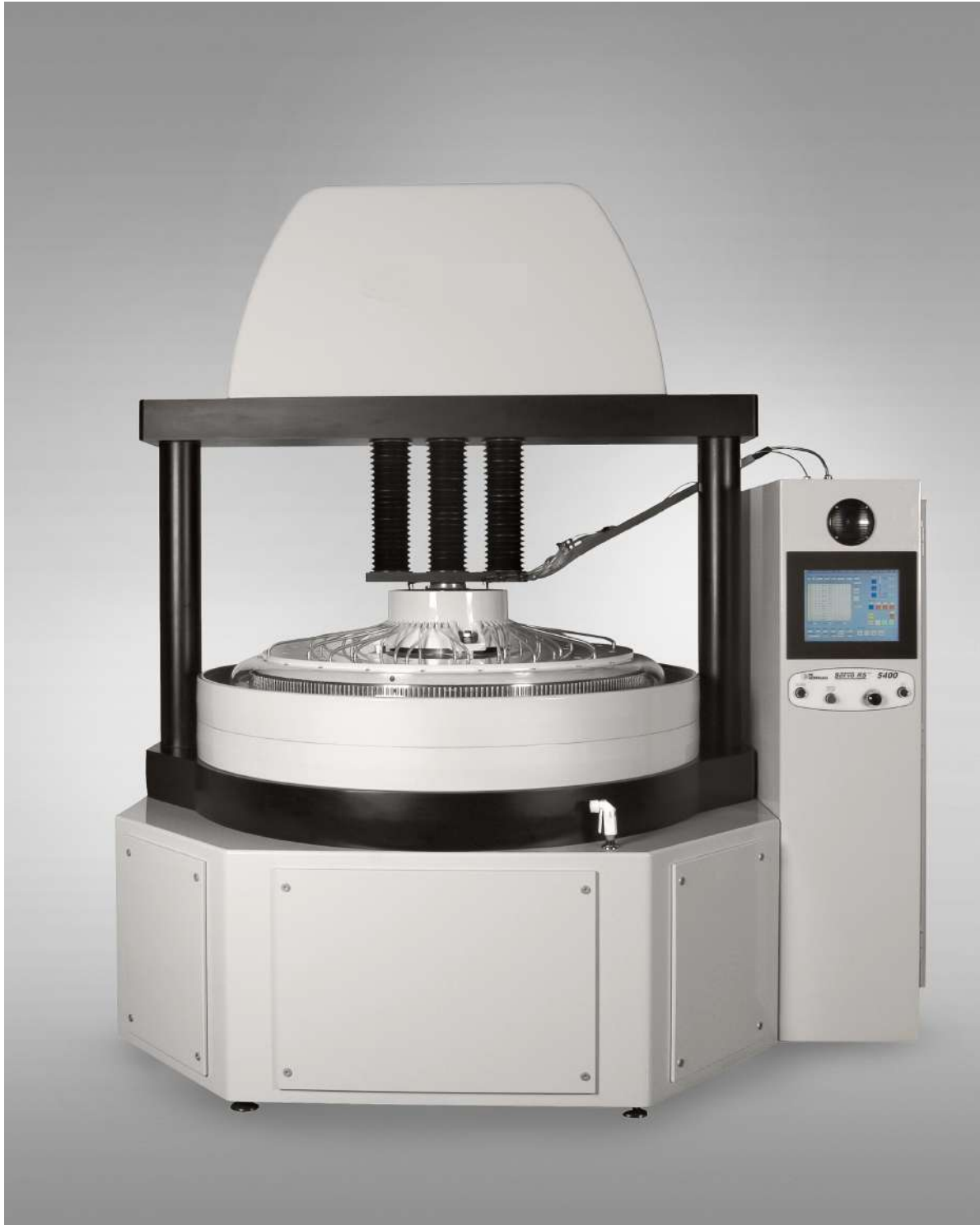
PR HOFFMAN MACHINE PRODUCTS:

Innovations in Flatness

***Servo* RS™ 5400 Series**

Since 1938

Double-Sided Planetary Lapping/Polishing Machine



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Servo **RS**TM 5400 Series

Double-Sided Planetary Lapping/Polishing Machine



The P. R. Hoffman **Servo RS**TM 5400 Series double side lapping and polishing machine can be adapted to finish many different materials. The planetary action simultaneously removes equal amounts of material from both sides of the pieces. Precise, asymmetrical removal can also be programmed when needed.

The Servo RSTM 5400 planetary lapping and polishing machine can be modified to meet your processing requirements with the addition of a wide variety of optional accessories.

Standard Features

- Smooth cast iron plates.
- Fixed bottom plate.
- Self-aligning swivel-mounted top plate.
- Independently programmable top plate, ring gear, and center gear rotation using velocity servo motor motion controls.
- Stainless steel ring and center sprockets with spring pins.
- Servo-controlled down force with load cell feedback.
- Retractable ring gear.
- Thick-section plates and sub-plates for improved flatness and stability.
- Automatic slurry feed system .
 - Pump and mixer are remote controlled by process recipe
 - Slurry tank and distribution lines, with recirculation available
 - Variable speed propeller-style mixer with controls at mixer motor
 - Variable speed, reversible peristaltic pump with controls at panel
 - 10 gallon (38 liter) sluice drain tank with ½ HP (375 watt) pump and float switch, with integrated alarm and operator control
- Automatic flush water system and hand sprayer
 - Flush water is controlled by process recipe
 - Flush flow control valve and distribution lines
 - Two Teflon hand-held sprayers
- All components are compatible with deionized water
- Automatic lubrication system with low level alarm

Why Choose a Servo RS™ 5400 Series

Better Parts

Faster Results

Gentler Processing

Available Options

Plates

- Serrated cast iron for lapping
- Stainless steel for polishing or fixed abrasives
- Cast iron with stainless steel cladding and slurry inserts for polishing or fixed abrasives
- Ductile Martensite for lapping with fine abrasive

Stainless steel ring and center sprockets

Digital gauge

- Thickness control for lapping
- Crash protection for lapping and polishing

Automatic Lapping Control (ALC)

Water heated and cooled plate temperature control system for both top and bottom plates

Slurry system

- Recirculating slurry
- Multiple or high-capacity peristaltic feed heads and distribution lines
- Centrifuge system
- Slurry tank heating and cooling system
- Variety of customizable configurations available

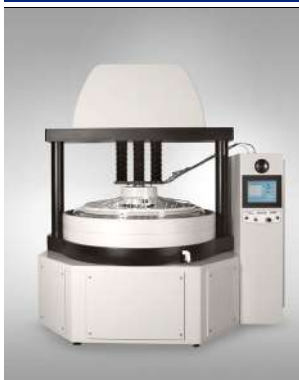
Chemical injection system

- Auxiliary peristaltic pump and tank system

Servo **RS**™ 5400 Series

Double-Sided Planetary Lapping/Polishing Machine

Specifications			
Carriers	Tooth Type:	100 Tooth Sprocket Type	
	No. of Carriers:	5	
	Max Part Circle:	19.2"	[488mm]
	Root Dia:	19.72"	[501mm]
Floor Space	Left to Right:	106"	[270cm]
	Front to Back:	74"	[190cm]
	Height:	117"	[300cm]
	Shipping Height:	100"	[254cm]
Plates	OD:	53.5"	[1,359mm]
	ID:	17"	[432mm]
	Track:	18.25"	[464mm]
Electric Utility	Top Plate Drive:	20 HP D.C	[15 KW]
	Ring Gear Drive:	7.5 HP D.C.	[5.6 KW]
	Center Gear Drive:	5 HP D.C.	[3.75 KW]
	Standard Voltage and Re- quired Service:	480 VAC, 60 Hz, 3 phase, 50 amps	
380 VAC, 50 Hz, 3 phase, 60 amps			
<i>Optional: 208/230 VAC, 60 Hz, 3 phase, 100 amps</i>			
Weight	Machine weight:	15,200 pounds	[7,000 Kg]



Contact us :

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Your Success = Our Success

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