

PR HOFFMAN MACHINE PRODUCTS:

Innovations in Flatness

Since 1938

# **Servo RS™ 1500 & 1900 Series**

Double-Sided Planetary Lapping/Polishing Machine



## **Servo RS™**

### ***1900 Series***

## **Servo RS™**

### ***1500 Series***



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# **Servo RS™** 1500 & 1900 Series

Double-Sided Planetary Lapping/Polishing Machine

These P.R. Hoffman 1500 & 1900 Series double sided lapping and polishing machines 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 RS™ 1500 & 1900 planetary lapping and polishing machines can be modified to meet your processing requirements with the addition of a wide variety of optional accessories.

## Standard Features: **Servo RS™** 1500 & 1900

- Smooth cast iron plates
- Fixed bottom plate
- Self-aligning swivel-mounted top plate
- Independently programmable top plate, ring gear, and center gear rotation using servo motor motion controls
- Nickel-plated cast iron ring and center gears
- Servo-controlled downforce 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*
  - Automatic flush water system and hand sprayer
    - *Flush water is controlled by process recipe*
    - *Flush flow control valve and distribution lines*
    - *Teflon hand-held sprayer*
    - *All components are compatible with deionized water*
  - On-site machine install, set-up, and training
  - One year warranty

## Exclusive Feature: **Servo RS™** 1500

Choice of three carrier (work holder) configurations: (12) 32 tooth, (8) 50 tooth, or (5) 66

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## Servo RS™ 1500 and 1900 4-Way Option

### Available Options

- Counter-rotating bottom plate 4-way configuration
- Plates
  - Serrated cast iron for lapping
  - Stainless steel for polishing or fixed abrasive lapping
  - Ductile Martensite iron fine-grain lapping plates for scratch-free lapping of parts with fine particle slurry
- Stainless steel ring and center gears
- Digital gauges
  - Thickness control for lapping
  - Crash protection for lapping and polishing
- Automatic Lapping Control (ALC)
- Water heated and cooled bottom plate temperature control system
- 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
  - Chemical injection pump controlled by process recipe
- Wide variety of accessories available

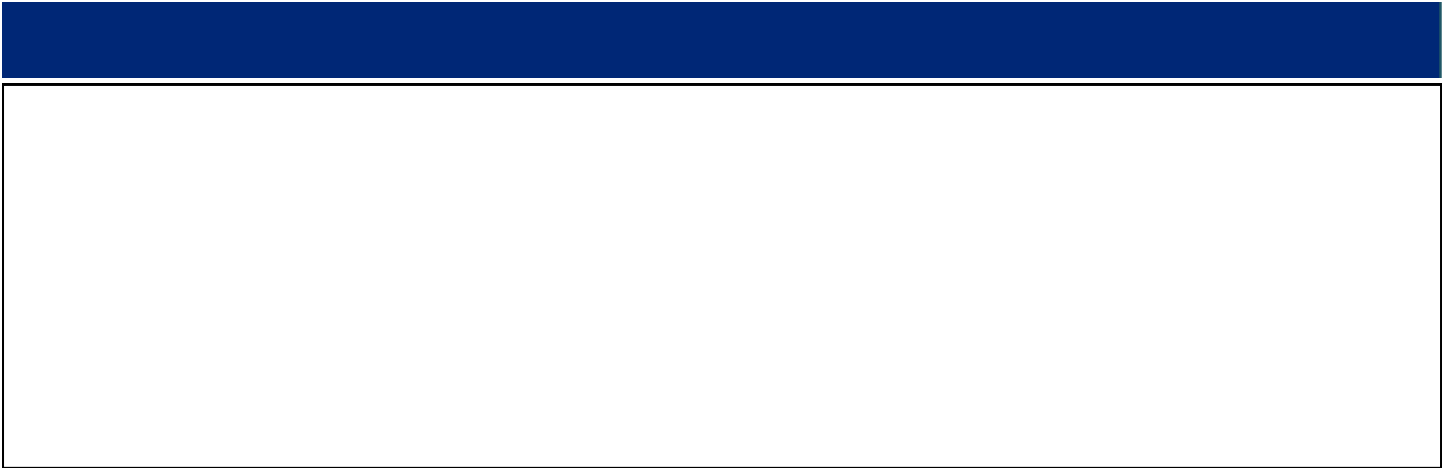
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**Contact us :**

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