

**PACE<sup>®</sup>**  
**TECHNOLOGIES**  
[www.metallographic.com](http://www.metallographic.com)

## **NANO 1000S/ 2000S Manual Polishers**



### **Manual Polishers**

- 8 and 10-inch wheel diameter machines
- 1 hp dynamic torque servo motor (100-1000 rpm)
- Three programmable preset speeds and times for quick speed or time changes
- Easy to use control panel with 3-inch LCD screen
- Auto timer control
- User friendly

### **Features:**

1. Variable speed 100-1000 rpm, 1 rpm increments
2. CCW and CW direction control
3. Rapid programmable speed and time selection
4. Timer (count down to zero and turns off) range from 1 second up to 99 minutes and 60 seconds
5. Emergency stop switch
6. Swinging / retractable water spout
7. 1 hp (750W) high torque dynamic servo motor for constant torque over the full range of motor speeds
8. Splash guard and cover
9. Electrical connections for FEMTO1100S autopolishing head

**Easy to Use  
Economical  
Powerful  
Reliable  
Robust**

### **Grinding/Polishing:**

- Metals
- Ceramics
- Polymers
- Composites
- Aerospace
- Electronics
- Biomaterials

### **Single and Double Wheel Polishers**



Machinery directive 2006/42/EC  
Low Voltage Directive 2006/95/EC  
Electromagnetic Compatibility directive 2004/108/EC

## Technical Specifications:

Specification	NANO 1000S	NANO 2000S
Working wheels	8 and 10-inch diameter	8 and 10-inch diameter
Number of stations	Single wheel	Double wheel
Speed	Variable 100-1000 rpm	Variable 100-1000 rpm
Power Supply	110 / 220V	110 / 220V
Motor	1 hp (750 W) dynamic torque servo motor	1 hp (750 W) dynamic torque servo motor
Weight	29 kg (63 lbs)	50 kg (110 lbs)
Dimensions (WxDxH)	16.5 x 21 x 8.5-inch (420 x 530 x 220 mm)	30 x 21 x 8.5-inch (750 x 530 x 220 mm)
Part Number	NANO-1000S	NANO-2000S

## Polisher Accessories

Description	8-inch	10-inch
Working wheel (anodized)	PW-800A	PW-1000A
Plain-backed paper ring	PTM-125-0005	PTM-125-006
Splash guard	PTM-125-0001	PTM-125-0001
Cover	PTM-125-0007	PTM-125-0007

## FEMTO Power Head (optional)

Specification	FEMTO 1100S	FEMTO 1500S
Application of Force	Individual pistons	Central force / Individual pistons
Head Speed	0-300 rpm	0-300 rpm
Direction	Contra and complementary	Contra and complementary
Force	1.1 lbs to 13.5 lbs (5N to 60N)	5 lbs to 60 lbs (20N to 260N)
Motor	1 hp (750 W) dynamic torque servo motor	1 hp (750 W) dynamic torque servo motor
Power Supply	110 / 220V	110 / 220V

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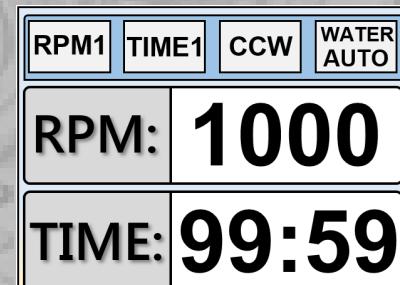
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NANO-S LCD Display Screen



FEMTO 1500S  
Autopolishing Head  
(optional)



ZETA 2000 Dispenser (optional)



RC-1000 Recirculating / Filter  
(optional)