

# DACE TECHNOLOGIES

## FEMTO Autopolishing Head

**NANO 1000T**  
**NANO 2000T**  
**FEMTO 1000**



**Benefits:**  
**-Variable speed head for flatter specimen preparation**  
**-Easy to use**  
**-Repeatable results**

### Polishing Machines

- 0-200 rpm Variable Speed Head
- Single or Double Wheel Polisher
- Manual or Auto operation
- Contra or Complementary Direction
- Built-in Lubricator
- User friendly / Easy to Use

### Features - NANO Polisher

The NANO polishing machines are variable speed (0-1000 rpm) grinding and polishing machines for metallographic specimen preparation. The NANO polishers are easy to use manual / automated polishing machines available with either single or double wheels. These bench top machines have been designed for 8-inch and 10-inch polishing wheels.

### Features - FEMTO 1000 Polishing Head

As an option, the FEMTO 1000 polishing head can be installed at the factory or as a future upgrade

for the NANO polishers. The FEMTO 1000 polishing head can polish from 1 to 6 specimens, with each specimen being polished independently of the others. This allows for easy removal and inspection of the specimen. Allowing for the polishing step to continue without the need to replane all of the specimens.

The primary benefit of the FEMTO 1000 head is its variable speed (0-200 rpm) which allows for greater flexibility in optimizing the grinding / polishing parameters which for individual polishing machines requires that the head and base speed be matched and run in the same direction to produce flat planar specimens. Other benefits of the FEMTO 1000 head include the ability to polish in either an automated or manual mode as well as the system includes a lubricating dispenser.

## Technical Specifications: FEMTO 1000 Power Head

FEMTO 1000	Specification
Application of Force	Individual pistons (1-6 samples)
Head Speed	0-200 rpm
Direction	Contra and complementary
Force	1.1 lbs to 13.5 lbs (5N to 60N)
Power Supply	110 / 220V
Weight	25 kg (55 lbs)
Dimensions (WxDxH)	12" x 18" x 18" (300 mm x 460 mm x 460 mm)

FEMTO Specimen Holders	Part Number
Specimen holder for FEMTO 1000 (6 slots for 1 to 1.5-inch diameter rings)	SH-0100
1-inch diameter rings (6/set)	SR-0100
1.25-inch diameter rings (6/set)	SR-0125
1.5-inch diameter rings (6/set)	SR-0150
Specimen holder for FEMTO 1000 (3 slots for 2-inch diameter specimens)	SH-0200
2-inch diameter rings (3/set), requires SH-0200	SR-0200

## NANO Polishing Base

NANO Polisher Features	Specification
Working wheels	8 and 10-inch diameter
Number of stations	Single or double wheel
Speed	Variable up to 1000 rpm
Power Supply	110 / 220V
Weight	46 kg (102 lbs)
Dimensions (WxDxH)	17" x 28" x 13" (430 mm x 710 mm x 330 mm)
Part Number	NANO 1000 / NANO 2000

## Polisher Accessories

Description	8-inch	10-inch
Working wheel	PW-800	PW-1000
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

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