

DACE TECHNOLOGIES

FEMTO 1100 Autopolishing Head

NANO 1000T
NANO 2000T
FEMTO 1100



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-T polishing machines are variable speed (100-1000 rpm) grinding and polishing machines for metallographic specimen preparation. The NANO-T 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 1100 Polishing Head

As an option, the FEMTO 1100 polishing head can be installed at the factory or as a future upgrade

for the NANO-T polishers. The FEMTO 1100 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 1100 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 1100 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 1100 Power Head

FEMTO 1100	Specification
Application of Force	Individual pistons (1-6 samples)
Head Speed	0-200 rpm
Direction	Contra and complementary
Force	4 lbs to 14 lbs (18N 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 1100 (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 1100 (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

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



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

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