



#### Automated Polishing

- FEMTO 1100 is a 1-6 Individual specimens polishing head
- FEMTO 1500 is an Individual and Central specimen polishing head
- 0-200 rpm Variable Speed Head
- Single or Double Wheel Polisher
- Manual or Auto operation
- Contra or Complementary Direction
- Built-in Lubricator

The FEMTO 1100 and FEMTO 1500 polishing heads can be installed at the factory or as a future upgrade for the NANO-1000T and NANO-2000T polishers. The FEMTO 1100 polishing head can polish 1 to 6 specimens individually and independent of the other specimens. This allows for easy removal and inspection of the specimen in-between each polishing step.

For flatter specimen preparation results the FEMTO 1500 offers a central force polishing fixture in addition to being able to polish specimens individually.

## FEMTO 1100 / FEMTO 1500 Autopolishing

8 and 10-inch Polishers

#### Benefits:

- Individual Force
- Central Force
- Variable speed head
- Easy to use



Central Force



Individual Force

#### Individual Force:

Individual specimen force can be applied using the Quick Release Chuck system by screwing down the outside of the coupler so as to lock the specimen mounting plate into a rigid plane. This set-up allows for the individual holder to be removed and cleaned. This holder also eliminates the need to replane the samples if they are removed from the holder.

#### Central Force:

The individual pistons apply the polishing force to the landing pads and pushes down the holder through the spring loaded central male coupler. For central polishing a minimum of three samples locked into the holder is required; however, flatness is then fixed over all the mounted specimens



## Technical Specifications:

### FEMTO 1100 / FEMTO 1500 Power Heads

Specifications	FEMTO 1100	FEMTO 1500
Application of Force	Individual pistons (1-6 samples)	Individual pistons (1-6 samples) Central force (3-6 samples)
Specimen Holder	Fixed	Quick Release Chuck
Head Speed	0-200 rpm	0-200 rpm
Force	1.1 - 13.5 lbs (5 - 60N)	1.1 - 13.5 lbs (5 - 60N)
Power Supply	110 / 220V	110 / 220V
Weight	60 lbs (28 kg)	60 lbs (28 kg)
Dimensions (W x D x H)	10 x 18 x 22-inch (254 x 457 x 560 mm)	10 x 18 x 22-inch (254 x 457 x 560 mm)
Part No.	FEMTO-1100	FEMTO-1500

FEMTO 1100 and FEMTO 1500 Individual Specimen Holders	Part Number
Individual Specimen holder for FEMTO 1100 (6 slots for 1 to 1.5-inch diameter rings)	SH-1100
Individual Specimen holder for FEMTO 1500 with Quick Release Chuck (6 slots for 1 to 1.5-inch diameter rings)	SH-1150
1-inch diameter rings (6/set) 25 mm diameter rings (6/set)	SR-0100 SR-25mm
1.25-inch diameter rings (6/set) 30 mm diameter rings (6/set)	SR-0125 SR-30mm
1.5-inch diameter rings (6/set) 40 mm diameter rings (6/set)	SR-0150 SR-40mm
Individual Specimen holder for FEMTO 1100 (3 slots for 2-inch diameter specimens)	SH-1200
Individual Specimen holder for FEMTO 1500 with Quick Release Chuck (3 slots for 2-inch diameter specimens)	SH-1250
2-inch diameter rings (3/set) 50 mm diameter rings (3/set)	SR-0200 SR-50mm

FEMTO 1500 Central Specimen Holders	Part Number
1-inch / 25 mm central specimen holder (3-6 samples)	QRC-SH100A-1500
1.25-inch / 30 mm central specimen holder (3-6 samples)	QRC-SH125A-1500
1.5-inch / 40 mm central specimen holder (3-6 samples)	QRC-SH150A-1500
2-inch / 50 mm central specimen holder (3 samples)	QRC-SH200A-1500
Central Force Loading plate for FEMTO 1500 central holders	CF-LP-1500

FEMTO 1500 Individual / Central Adapters	Part Number
Quick Release Chuck for dual central / individual specimens	QRC
Central holder male coupler for use with quick release chuck	QRC-CFC-V2
Individual holder male coupler for use with quick release chuck	QRC-IFC-V2

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Quick Release Chuck



Individual specimen male coupler adapter



Individual specimen holder



Central specimen male coupler adapter



Central specimen holder



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