



SUPERIOR POLISHING EFFICIENCY

Individual or Central Force | Variable Speed Head | Easy To Use

SPECIFICATION	FEMTO-2200S	FEMTO-2500S
Application of Force	Individual Pistons (1-6 samples)	Individual Pistons (1-6 samples) Central Force (3-12 samples)
Specimen Holder	Fixed Individual Holder	Quick Release Chuck or Interchangeable Holders
Head Speed	0 - 300 rpm	0 - 300 rpm
Relative Head: Base Direction	CW and CCW	CW and CCW
Power Supply	110 / 220V	110 / 220V
Dimensions (W x D x H)	23 x 18 x 26.25 inch (580 x 460 x 670 mm)	23 x 18 x 26.25 inch (580 x 460 x 670 mm)
Weight	150 lbs (68 kg) w/o base	150 lbs (68 kg) w/o base
Optional	RC-1000A	RC-1000A

2 year warranty

Limited warranty



NANO-1200S shown with FEMTO-2200S attachment

The FEMTO-S Metallographic Automated Polishing System is designed to optimize the process of metallographic sample preparation. With its advanced features and user-friendly design, the FEMTO-S will significantly boost your lab's productivity and efficiency. The FEMTO-S can be installed at the factory or as a future upgrade for any of our NANO-S grinder polishers. The FEMTO-S is offered in two polishing modes: Individual Force and Central Force, providing versatility to meet a wide range of polishing requirements. The Individual Force mode allows for independent control of the applied force on each specimen, ensuring uniform and consistent results. In the Central Force mode, the polishing head applies force evenly to all specimens, streamlining the process for batch polishing.

With its variable speed head, the FEMTO-S enables precise control of the polishing speed. This feature allows users to tailor the polishing parameters to match the specific material properties and achieve the desired surface finish. The intuitive user-friendly interface makes it easy to operate even for users with minimal experience.

Experience enhanced productivity and efficiency with the FEMTO-S Metallographic Automated Polishing System.



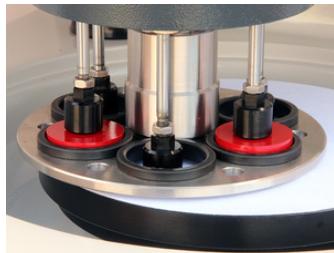
Machinery directive 2006/42/EC
RoHS Directive 2011/65/EU



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APPLICATIONS

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



INDIVIDUAL FORCE



CENTRAL FIXED FORCE

Individual vs. Central Force Automated Polishing

Individual Force: The force is applied to each sample individually. The main advantage for single or individual sample preparation is the elimination of the planar grinding steps. The primary disadvantage is that the specimen plane is not fixed in a rigid position during grinding and can result in loss of flatness across the specimen.

Central Force: For central force holders the specimens are locked into a rigid position or fixed plane so that the specimens cannot rock during sample preparation, especially the planar grinding or coarser grinding steps. The advantage is that the flatness across all the specimen mounts is better than individual force sample preparation. The main disadvantage is that 1-2 more planar grinding steps are required using coarser more damaging abrasives.

CENTRAL SPECIMEN HOLDERS

FEMTO-2500S

1-inch / 25 mm central specimen holder (3-12 samples)	QRC-SH100A-2500
1.25-inch / 30 mm central specimen holder (3-12 samples)	QRC-SH125A-2500
1.5-inch / 40 mm central specimen holder (3-6 samples)	QRC-SH150A-2500
2-inch / 50 mm central specimen holder (3-6 samples)	QRC-SH200A-2500
Central Force Loading Plate	CF-LP-2500



FEMTO-2500S
Central Specimen Holder



FEMTO-2500S
Central Force Loading Plate

INDIVIDUAL SPECIMEN HOLDERS

FEMTO-2200S

FEMTO-2500S

RINGS (in)

FEMTO-2200S & FEMTO-2500S

Individual holder (6-ring) (1 to 1.5-inch & 25-40 mm mounts)	SH-2200	SH-2200	1-inch diameter rings (6/pkg)	SR-0100
Individual holder (3-ring) (2-inch & 50 mm mounts)	SH-2200	SH-2250	1.25-inch diameter rings (6/ pkg)	SR-0125
Glass slide fixture for 27 x 47 mm & 1 x 3-inch slides	SR-G	SR-G	1.5-inch diameter rings (6/pkg)	SR-0150
Individual holder for glass slide fixtures	SH-GHOLDER-2200	SH-GHOLDER-2500	2.0-inch diameter rings (3/pkg)	SR-0200



FEMTO-2200S
Individual Specimen Holder



FEMTO-2200S & FEMTO-2500S
30 mm Rings

RINGS (mm)

FEMTO-2200S & FEMTO-2500S

25 mm diameter rings (6/pkg)	SR-25mm
30 mm diameter rings (6/pkg)	SR-30mm
40 mm diameter rings (6/pkg)	SR-40mm
50 mm diameter rings (3/pkg)	SR-50mm