Micro-Abrader 8000

Micro-Particle Erosion and Wear Abrasion Testing

TABER® INDUSTRIES
ISO 9001 REGISTERED

Precision controlled air system ensures exact results.
Micron-sized abrasive powder is mixed with pressurized air to generate the abrasive flow. Equipped with a patented modulator system, the instrument uses stabilized clean air to deliver the powder in a steady and consistent flow.

Micro-Abrader system offers testing versatility.
Of the different variables for erosion and wear testing, the characteristics (size, shape and hardness) of the abrasive powder is the most significant for determining how aggressive the wear process will be. Other system factors that can be optimized for each material include: air pressure, rate of powder flow, nozzle orifice and design, duration of test, angle of abrasive stream to the specimen, distance between the nozzle and specimen, and dust collection.

Workstation provides clean testing environment and storage area.
Integral to the system is a workstation to confine the abrasive powder and maintain a clean test area. A dust collection system is used to remove the media during testing. Illuminated by a fluorescent lamp, the test area is viewed through a hinged, tempered glass window that is sloped for maximum visibility and reduced glare.

Test where you never thought possible.
With interchangeable nozzles and abradants, there is tremendous versatility. In addition to external surfaces, you can test the internal surfaces and extremely delicate materials. Plus, you can use the system to clean, cut, deburr and drill.

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System Features:

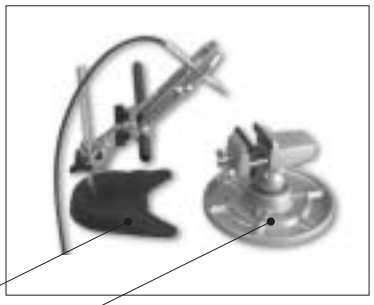
Micro-Abrader 8000
Workstation
Dust collection system
Start/Stop control timer
Air filter-dryer
Tank Orifice (0.025" & 0.040")
4 Standard Nozzles
(ID=.018", .030", .046" round, and .008"x.125" rectangular)
Abradant (aluminum oxide, glass bead)
Nozzle mounting stand
Specimen vise
CE

Micro-Abrader 8000 Specifications:

Operating Pressure:	40 - 125 psi (2.7 - 8.6 Bars)
Inlet Air Pressure:	80 - 140 psi (5.5 - 9.65 Bars)
Powder Capacity:	50 in^3 (820cm^3)
Air Volume:	Typically 0.5 - 2.0 SCFM (235 - 950 cm^3 / sec.)
Tank Capacity:	Up to 2 lbs (.9 kg) powder
Power:	115V / 60Hz or 230V / 50 Hz 40 Watts

Optional Accessories (sold separately):

Tungsten Carbide Nozzles
Tank Orifices
Selection of Abrasive Media
Silicon Carbide
Aluminum Oxide
Glass Bead
Crushed Glass



Send us your material for a product demonstration

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Setting the Industry Standard

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