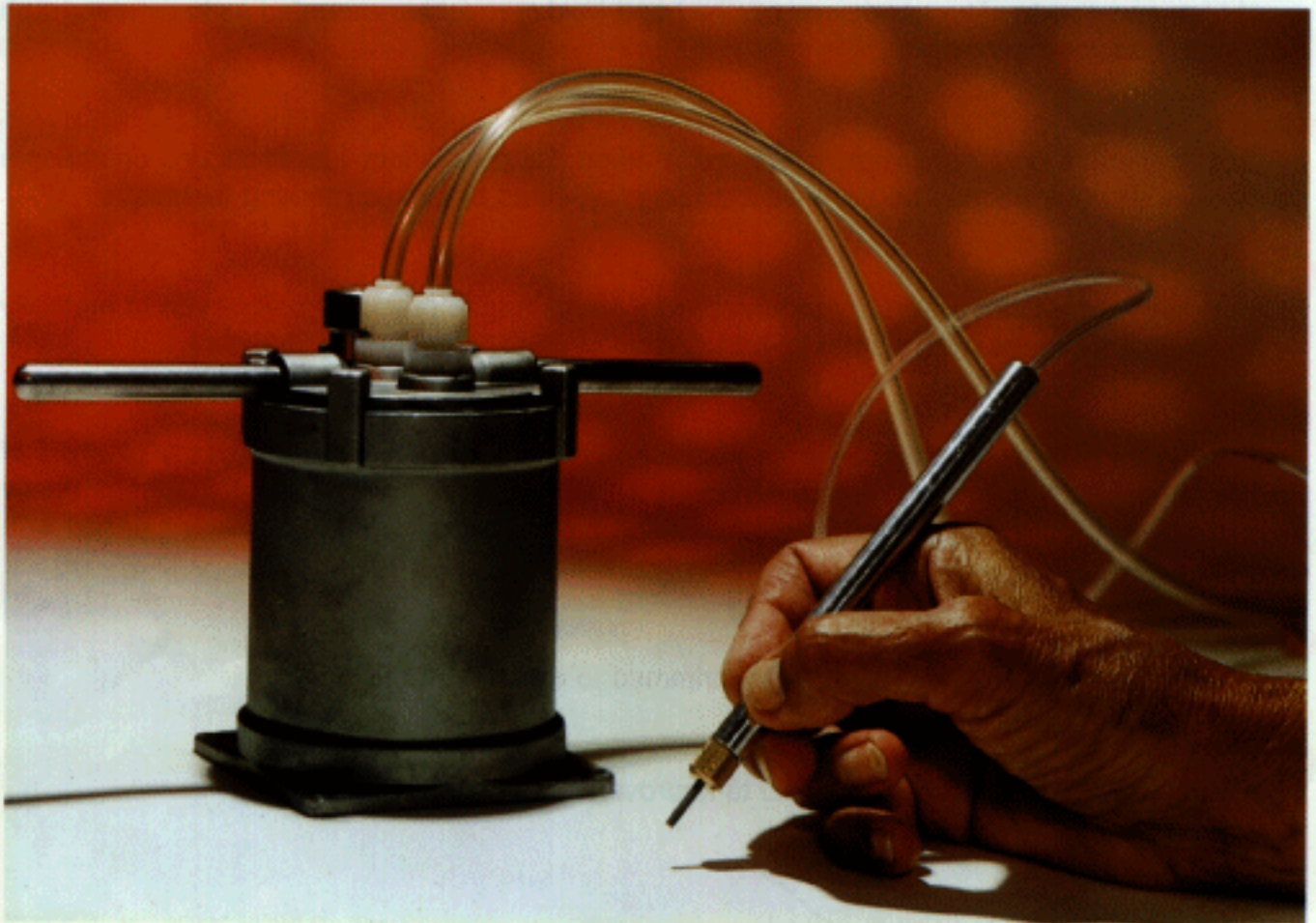


# HUNTER MICRO-JET 200 SYSTEM

MINIATURE AIR-ABRASIVE BLAST SYSTEM  
A LOW-COST SYSTEM WITH QUALITY FEATURES



The Micro-Jet 200 is a simple but well-made system designed to entrain extremely fine abrasive particles in a hi-velocity air stream and to then direct the resultant air-abrasive jet by means of a miniature hand piece. The result is an extremely versatile, shockless machining system which can perform a wide variety of operations on extremely hard and/or fragile materials.

In any air-abrasive blast system the cutting efficiency is primarily a function of the air pressure just before the exit nozzle. Most high-priced systems utilize a vibratory abrasive feed system which permits the full incoming line pressure to be effective at the exit nozzle. Most economy feed systems, on the other hand, utilize Venturi abrasive feed systems which utilize only a portion of the incoming line pressure at the exit nozzle. The Micro-Jet 200, while economically priced, employs a unique pneumatic abrasive feed system and utilizes full incoming line pressure at the discharge nozzle. As a result it is as fully effective in its cutting action as systems selling for 5x its low price.

## FEATURES:

- Heavy-duty Stainless-Steel Canister
- Self-Venting Safety Lock
- All pneumatic operation
- Quick-change Tungsten-Carbide Nozzles
- Full-Pressure feed system for optimum cutting action
- Quick abrasive powder re-fill
- Only one moving part - minimum maintenance
- Easy to set-up and use

**HUNTER PRODUCTS, INC.**, 792 Partridge Drive, Bridgewater, N.J. 08807 (908) 526-8440

## TYPICAL APPLICATIONS

### *Cutting, Drilling and Shaping*

Will cut, drill and shape silicon wafers, glass, precious and semi-precious stones, ceramics, carbides and quartz. The handpiece can be hand-held or machine-mounted as in a pantograph or other follower mechanism.

### *Etching and Marking*

Glass, ceramics and hard metals can be marked for permanent identification, or intricate designs and patterns may be engraved utilizing free-hand or simple marking technique.

### *Micro-deburring and De-flashing*

Minute burrs and flash are easily removed from small, fragile precision parts even in normally inaccessible locations, with no risk of part damage.

### *Cleaning*

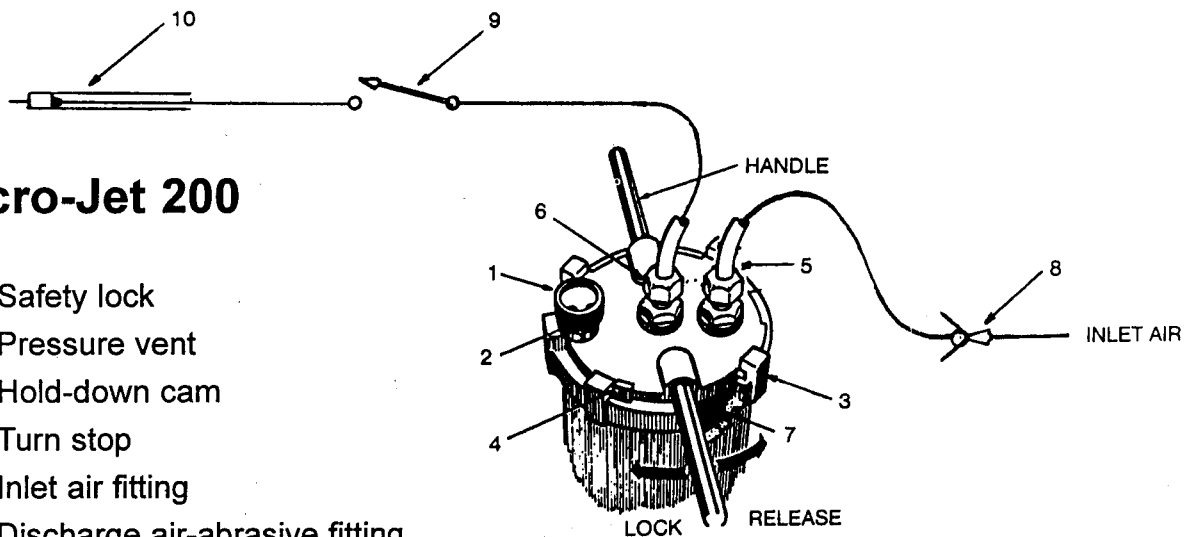
Insulating varnish easily stripped from fragile surfaces. Electrical contacts easily cleaned of oxide films. Potting material easily removed without damage. Component markings easily removed. Archeological, paleontological and fine art pieces easily and positively cleaned with absolute control.

### *Fine Adjustment of Thick-Film Components*

Thick film resistors and capacitors easily trimmed to desired values.

### *Surface Finishing*

Surface characteristics easily modified to improve adhesion, appearance, etc.



## Micro-Jet 200

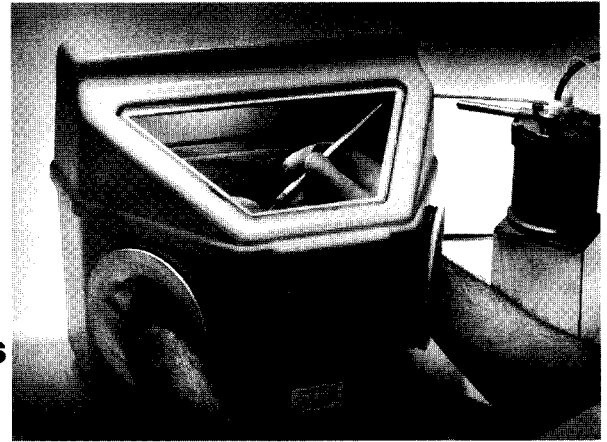
1. Safety lock
2. Pressure vent
3. Hold-down cam
4. Turn stop
5. Inlet air fitting
6. Discharge air-abrasive fitting
7. O-Ring pressure seal
8. Check valve
9. Foot-operated pinch valve
10. Hand piece

# Micro-Jet 200

## SYSTEM DESCRIPTION

The basic system includes the following:

- Stainless-steel abrasive canister
- Inlet air line with check valve
- Outlet air-abrasive line with foot-operated pinch valve
- Abrasive hand piece with nozzle of choice

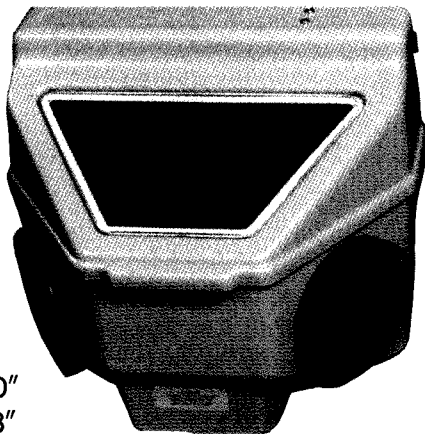


## SPECIFICATIONS

Air Supply	1:5 SCFM of clean, moisture-free air at 100-125 p.s.i.
Canister Abrasive Capacity	1 pint
Canister Dimensions	Diameter: 3½" Height: 5" Weight: 3½ lb.
Handpiece Dimensions	Diameter: ⅜" Length: 5¾" (with nozzle) Weight: 0.7 oz.
Abrasive Powder	Any powder in the size range of 10-70 microns (220-1000 mesh) may be utilized

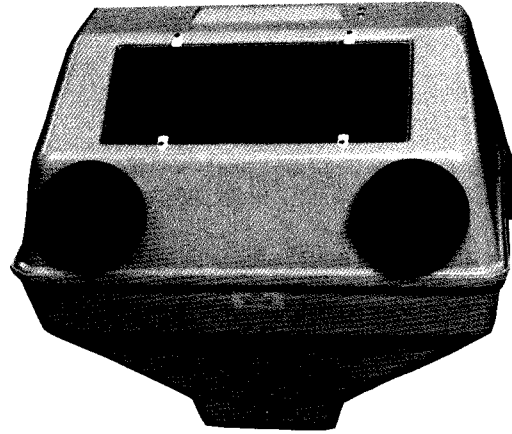
## BLAST CABINETS

Model 1210 BCG



Dimensions  
Depth: 10"  
Width: 13"  
Height: 11"

Model 1400 BCG



Dimensions  
Depth: 18"  
Width: 26"  
Height: 22"

\*Vacuum Connector: 1¼" (Adapters available to fit most vacuum hoses)

## FEATURES

- Impact and abrasive resistant plastic
- Smooth finish for easy cleaning
- Interior lamp-illuminates work area
- Safety glass viewing window
- Window de-fogging air-flow pattern
- Hinged cover to accommodate larger pieces
- Hand ports with rubber cuffs and vinyl gloves
- Separate rubber-lined port for blasting hose
- Vacuum connections for exhausting spent media

**\*Note:** These cabinets must be used in conjunction with a proper vacuum unit which will exhaust and capture the spent abrasive. The vacuum unit must have a filter capable of *trapping* the fine abrasive powders utilized plus the even finer products of abrasion. Such units are available from W.W. Grainger, Torit, Hako, Nilifisk, etc.

## **MICRO JET SYSTEM, ACCESSORIES & ABRASIVES**

### **AB2000 MICRO JET 200 SYSTEM**

Includes stainless steel canister, inlet air line with check-value, discharge line, foot-value and abrasive handpiece and nozzle (.030" diameter supplied as standard unless otherwise specified.) If both diameter nozzles are to be utilized with the system, a complete nozzle assembly is required for each size nozzle.

### **NOZZLE ASSEMBLY, COMPLETE**

AB2001 Tungsten-Carbide Nozzle Assembly .020"

AB2002 Tungsten-Carbide Nozzle Assembly .030"

### **NOZZLE**

AB2003 Tungsten-Carbide Nozzle .020"

AB2004 Tungsten-Carbide Nozzle .030"

### **BLAST CABINETS**

AB2005 Model 1210 BCG Dimensions: 10" × 13" × 11"

AB2017 Model 1400 BCG Dimensions: 18" × 26" × 22"

### **MICRO-GRAIN ABRASIVES**

Emdelum Aluminum Oxide (For fast cutting)

AB2024-MGAO-220 (extra fine) 5 lbs.

AB2025-MGAO-320 (super fine) 5 lbs.

AB2026-MGAO-220 (extra fine) 50 lbs.

AB2027-MGAO-320 (super fine) 50 lbs.

Emdesil Silicon carbide (For fast cutting of extra-hard materials)

AB2028-MGSC-220 (extra fine) 5 lbs.

AB2029-MGSC-320 (super fine) 5 lbs.

AB2030-MGSC-220 (extra fine) 50 lbs.

AB2031-MGSC-320 (super fine) 50 lbs.

Glass Beads (For cleaning and polishing delicate surfaces)

AB2032-MS/XL (super fine) 5 lbs.

AB2033-MS/XL (super fine) 50 lbs.

#### **HUNTER PRODUCTS, INC.**

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