

Jewelry

- [Central Machinery Bench Buffer](#)
- [AmScope Stereo Microscope](#)
- [GraverSmith Pneumatic Engraver](#)
- [Foredom Rotary Tool](#)
- [Pulse Arc Welder](#)

Central Machinery Bench Buffer

Central Machinery Bench Buffer

Bench Buffer / Polisher

Tool image

This tool can be used by members and non-members who are well-versed in the operation of the tool. Trainings can always be requested at [#class-requests](#) on Slack

Model No	226002 (item 94071)
Date Purchased	—
Status	Operational
Link To Manual	Manual (94071)
Link to product page	Harbor Freight manuals

Description

6" bench buffer/polisher (Chicago Electric 94071, HF 226002) for jewelry and metal polishing. Eye protection required; secure hair and loose clothing.

Specifications

Wheel size	6 in
Arbor	1/2 in
Speed	3600 RPM (no load)
Power	120 VAC, 60 Hz, 0.4 A
Harbor Freight item	94071 (internal ref. 226002)

Additional Resources

- [94071 owner manual](#)

AmScope Stereo Microscope

AmScope Stereo Microscope

Microscope

Tool image

This tool can be used by members and non-members who are well-versed in the operation of the tool. Trainings can always be requested at [#class-requests](#) on Slack

Model No	TBD (10×-40× stereo, analog)
Date Purchased	—
Status	Operational
Link To Manual	AmScope contact / support
Link to product page	AmScope stereo microscopes

Description

Stereo analog microscope (~10×-40×) for inspection and jewelry work. Use eyepieces (not USB). Update model number when nameplate is documented.

Specifications

Type	Stereo (dissecting), analog
Magnification	~10×-40× (marked on unit)
Illumination	Incident / transmitted (per model—verify on unit)
Model no.	TBD — add from nameplate

Additional Resources

- [Stereo microscope category](#)
- [AmScope support](#)

GraverSmith Pneumatic Engraver

GraverSmith Pneumatic Engraver

Pneumatic Engraver

[Tool image](#)

This tool is restricted to Makerspace Members, and requires a training before use. Request a training on Slack: [#class-requests](#)

Model No	GraverSmith (GRS 005-895)
Date Purchased	—
Status	Operational
Link To Manual	GRS GraverSmith (PDFs on page)
Link to product page	GRS GraverSmith

Description

GRS GraverSmith pneumatic engraving system for stone setting and metal engraving. Requires clean, oil-free shop air (≥ 45 psi). Handpieces sold separately.

Specifications

GRS item	005-895
Dimensions	7.12 × 9.54 × 6.3 in
Weight	8.3 lb
Air requirement	≥ 45 psi, 1.4 CFM (40 L/min), oil-free
Handpiece ports	1 standard
Control	Foot pedal
Power	100/220 V, 50/60 Hz (unit power supply)

Additional Resources

- [Product page + manuals](#)

Foredom Rotary Tool

Foredom Rotary Tool

Flex-Shaft Rotary Tool

Tool image

This tool is restricted to Makerspace Members, and requires a training before use. Request a training on Slack: #class-requests

Model No	HP4-917
Date Purchased	—
Status	Operational
Link To Manual	Foredom document downloads
Link to product page	HP4-917 control unit

Description

Foredom flex-shaft system (HP4-917 control) for carving, grinding, and polishing. Foot pedal speed control; secure work in a vise or holder.

Specifications (HP4-917 control)

Output	DC 30 V / 1.2 A
Input voltage	110/120 or 220/240 V (selector on rear)
Control size	~4.4 × 5.8 × 3.8 in
Features	Forward/reverse, manual/foot speed, overload protection
Typical kits	K.1020, K.1070, K.1080, K.1090 (brush-type micromotor)

Additional Resources

- [Manuals \(K.1070 rotary, HP4-917\)](#)
- [HP4-917 product page](#)

Pulse Arc Welder

Pulse Arc Welder

Pulse Arc Welder

Tool image

This tool is restricted to Makerspace Members, and requires a training before use. Request a training on Slack: #class-requests

Model No	Pulse arc (see listing)
Date Purchased	—
Status	Operational
Link To Manual	Reference listing
Link to product page	AliExpress listing

Description

Pulse arc welder for jewelry repair and tack welding. Unit matches the [linked listing](#) but may show a different brand on the case. Welding-rated eye protection and argon per training.

Specifications

Process	Pulse arc / micro TIG class (jewelry)
Shielding gas	Argon (verify regulator and flow with training)
Electrodes	Tungsten, sized to material (training)
PPE	Welding-rated eye protection required
Documentation	Use listing manual + shop training checklist

Additional Resources

- [Reference product listing](#)