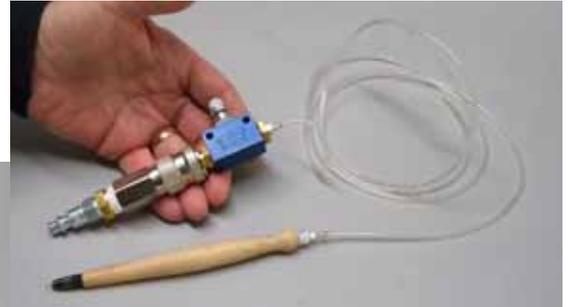


German Made Tools - 2018

All tools are hand built in a small shop southern Germany. Workmanship guaranteed.

Scratcher with air fits comfortably in your hand with tungsten carbide tip and adjustable air supply that removes the loose residue from the work area. It's a pin vise with air. The wood can be sanded and the tips resharpened.



Replacement tips

Scratcher

With tungsten carbide tip. Very comfortable to hold and use.



HW-1 Even running pneumatic air scribe with 3 springs of different hardness for various applications. It is good for beginning preparators. Choice of 2 mm diameter hard metal tungsten carbide tip or 1.3 mm diameter steel tips supplied with 5 extra tips. Hose and connectors included. Runs at 5.5 - 8 bar. (80 - 115 psi)



HW-1 - Needle holder and needle - Hard metal (2mm) or steel (1.3 mm) diameter

HW-10 Pneumatic air scribe engraver similar to the Aro with a wider range of applications. Excellent value. It operates with less vibration than the Aro due to lower air pressure and dampening with teflon bushing. Choice of 1.3 mm diameter steel tips supplied with 5 replacement tips or 2 mm diameter hard metal tungsten carbide tip. Hose and connectors included.



HW-10 Extra needle holder and needle.

Extended hard metal tips available by special order.

HW-10 Head adapter to convert the Aro air scribe. Head supplied with choice of fine or hard metal needle holder and needle. Runs at 2.5 - 6 bar (36 - 87 psi)



HW-1 and HW-10 operate with spring action recoil. Both are supplied with hard springs installed.

Soft springs available for more detail work.

All the following HW pneumatic air scribes operate with a flying piston driven by an air valve. O-rings compress and recoil for smooth action. Only a small amount of air and low air pressure is needed.

HW-322 Newest pneumatic air scribe with a flying piston specifically designed for ultra-fine work most effectively performed under a microscope. Comes with hose, connectors, in line regulator and two springs, hard and soft that provide versatility in the action of the tool. 1.3 mm diameter needle
Runs at 1.8 bar (26 psi) or less.

HW-322 - Needle holder and needle

New - Head with 2mm needle holder and needle



HW-80 The next most detailed flying piston pneumatic air scribe after the HW 322. Comes with 2 mm diameter head and needle. Hose, connectors and in line regulator included. Extended tip is advisable for hard to get areas. Operates at 0.5-2.3 bar (7-33 psi)

HW-80 - Fine head with 1.3 mm needle holder and needle

HW-80 Tips 1.3 mm diameter or 2 mm diameter



HW-70 The most versatile flying piston pneumatic air scribe because there are 3 different diameter heads and needles offered making it good for a wide range of work. It has a well balanced great feel. Hose, connectors and in line regulator included. Supplied with choice of 1.3 mm, 2 mm or 3 mm diameter standard length tip and associated head. Standard working length protrudes 10 mm from the head of the tool. Available in extended lengths by special order. Runs at .5-2.5 bar.

HW-70 Needle holder and needles - 1.3 mm in pointed shape (extended length by special order) and 2 mm diameter and 3 mm diameter tips in pointed or chisel shapes available in standard and extended lengths.



HW-70 Head with needle holder and needle. The 3 different diameters offered add to the range of work for micro (1.3 mm), medium (2mm) or heavy tips (3 mm).

HW-65 A powerful flying piston pneumatic scribe, comfortable to hold and great for most all around uses including detail work on larger specimens. Comes with hose, connectors and in line regulator (see photo HW-322). Pressure should not exceed 2.3 bar (33 psi) to avoid damaging the tip.

HW-65 Tips - 3 mm diameter - Pointed and chisel shapes available in regular and extended lengths.

HW-65 head has a shorter run of threads than the older model HW-60 to allow space in the barrel to accommodate a longer hex shaped nut to grip the needle more securely.



HW-90 This is the biggest and strongest for big jobs. It uses a 5 mm diameter chisel tip. It works great on hard matrix. Largest tool you can use in one hand allowing use in glove box. Comes with an inline regulator. Pressure should not exceed 4 bar (approximately 60 psi) to avoid damaging the tip.



HW-90 Standard and extended length chisel shape needle holder and needle.

Additional replacement parts:

Push button fitting/valve that attaches hose to tool and hose to pressure regulator

Pressure regulator only choice of 3.5 bar or 7 bar

Hose with fittings (no ball valve or regulator)

Pressure regulator, hose and fittings (no ball valve)

Springs HW-1 HW-10 and HW-322 -

O-rings - Quantity used per tool/needleholder varies from 1-4) ie: HW-10 uses 1, HW-90 uses 4 - They seldom need replacement with proper care (see instructions).

Please email stoneco@aol.com to request current prices