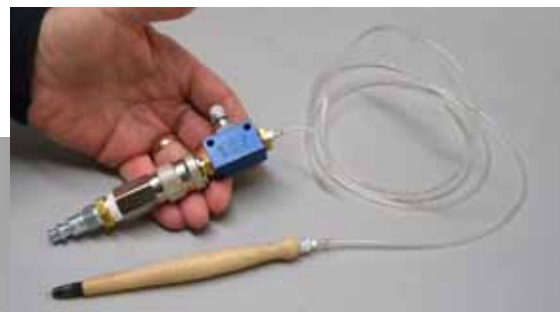


Fossil Preparation Tools

All tools are precision made in 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 needles 0.5mm or 1 mm

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 preparators with arthritic or small hands. Choice of fine 1.3 mm dia needle holder with steel needle plus 5 extra needles or hard metal 2 mm dia tungsten carbide tip holder/needle. Hose and connectors included. Runs at 80-115 psi
Tool with one needle holder/needle
Tool with both holder/needle & 3 springs
HW-1 - Needle holder and needle - steel (1.3 mm) or tungsten carbide (2mm) diameter - HW-1 O-rings



HW-10 Pneumatic air scribe with a wide range of applications. Low noise and vibration due to teflon bushings and low pressure, 87 psi or less. Runs at 10 psi with soft spring for delicate work. Choice of 1.3 mm dia steel holder/needles or 2 mm diameter tungsten carbide needle holder/needle. Supplied with hose and connectors. Regulator optional upgrade.
HW-10 tool with one needle holder/needle
HW-10 tool with both holder/needles and 3 springs
For optimum control add pressure regulator
HW-10 needle holder/needle 1.3 mm with 5 extra needles.
Hard metal 2 mm dia. Std sticks out 10mm. Std, Std +5 or Std +10 mm
HW-10 - O rings



HW-10 Head adapter to convert the Aro air scribe. Supplied with choice of fine (1.3mm) or hard metal (2mm) needle holder/needle. Runs at 36 - 87 psi



HW-1 and HW-10 operate with spring action recoil. Both are supplied with hard springs installed. Soft and medium springs available for more detailed work. Teflon bushings for tool, Teflon bushings for tips

HW-322 For ultra-fine work usually under a microscope runs at 5 psi up to max 26 psi so in line regulator is required to keep pressure very low. Supplied with hose, connectors, in line regulator and two springs, hard and soft that provide versatility in the action of the tool. Standard sticks out 7 mm. Tool - choice of 1.3 mm head/tip or 2mm head/tip



Tool with both size heads/tips

HW-322 - Needle holder/Needle (same as HW-80) Standard sticks out 7mm. Std, Std+5, Std+10, Std+15. Std+20 and longer by special order

HW-322 - Head with needle holder and needle 1.3 or 2 mm diameter (same as HW-80)

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

HW-80 More powerful than the HW 322 which it compliments nicely. Hose, connectors and in line regulator included. Runs at 7-33 psi. Head/needle interchangeable with HW- 322.

HW-80 - Tool with one head/tip or both heads/tips

HW-80 - Head with holder and needle - 1.3 or 2 mm dia

Needle holder/needle 1.3 or 2 mm diam. Std protrudes 7 mm.

Std, Std+5, Std+10, Std+15 mm

Std+20 and longer by special order



HW-70 The most versatile of all with three different diameter heads and needles. Excellent for a wide range of work. More powerful than HW-80. 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 needle length protrudes 10 mm from the head of the tool. Runs at 7-33 psi. Tool with one head/needle or with two or with all 3 heads/needles.



HW-70 Needle holder and needles - 1.3 mm diam pointed shape only. 2 & 3 mm diam, pointed or chisel shape. Std length sticks out 10 mm from the head. Std, Std+5, Std+10 and Std+15 mm.

Std+20 and longer by special order. Price \$75 - NEW Hybrid shape (chisel/point) 2 & 3mm diam

HW-70 Head with needle holder and needle: micro (1.3 mm), med (2mm) or heavy (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. 3mm diameter needle moves a lot of matrix without blowing much air. Hose, in line regulator and connectors included. Pressure not to exceed 33 psi.



HW-65 Holder and needle - Std length sticks out 10mm from the head. Pointed and chisel shapes available in Std, Std+5, Std+10, Std+15.

Std +20 and longer by special order. NEW Hybrid shape (chisel/point) Std+10

Conversion head to upgrade HW-60 to improved HW-65. It allows space in the barrel to accommodate a longer hex shaped nut to grip the needle more securely. Head only or with choice of needle

HW-90 This is the biggest and strongest for big jobs with a 5 mm diameter chisel needle. It works great on hard matrix. Largest tool you can operate with one hand allowing use in glove box. Supplied with an in line regulator, hose and fittings. Pressure should not exceed 60 psi.



HW-90 Std length chisel shape tip.

HW-90 Std+10 mm extended

Standard +15 mm

HW-90 Pointed shape needles by special order. Priced same as chisel shape according to length.

Additional replacement parts:

Push button connector to attach hose to regulator or with HW-1 and HW-10 directly to the air chuck

Push button connector with ball valve to attach hose to the tool

Pressure regulator only. Choice of 3.5 bar or 7 bar

Hose with male fittings (no push button connectors)

Pressure regulator, hose with 2 male fittings (no push button connectors)

Springs HW-1 HW-10 and HW-322

O-rings - HW-322, HW-80, HW-70, HW-65 and HW-90. They seldom need replacement with proper care (see instructions). Quantity per set varies 3-4 depending on the tool.

Care and maintenance instructions and tool specifications available upon request.

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