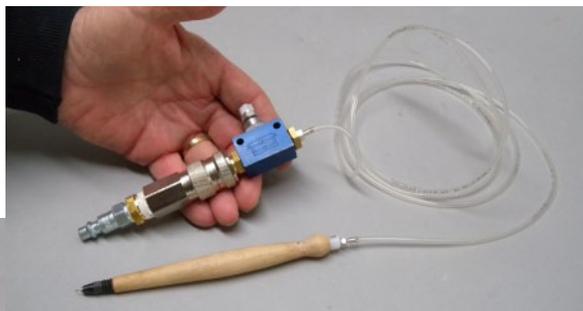


German Made Preparation Tools

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

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



HW-323

Newest tool specifically designed for ultra-fine work most effectively performed under a microscope. Comes with an inline regulator shown in photo at right. Supplied with needleholder and needle with soft spring. Runs at 1.0 - ca. 1.8 bar.

HW-323 Extra Needleholder and Needle with hard spring that delivers more beats.



HW-1-2 Tool Even running tool perfect for micro work that is slightly more powerful than the HW-10 good for beginning preparators or students. Runs at 5.5 - 8 bar.

HW-1-2 Hardmetal

HW-1-2 Extra Needleholder and Needle

HW-10 Tool - Similar feel to an aro except runs better for micro work. Excellent value for the price.

HW-10 Extra Needleholder and Needle



HW-10 Head with needle holder (micro adapter for the Aro airoscribe) plus 1 extra carbide tip and five steel tips. Runs at 2.5 - 6 bar.

HW-65 Tool (the black pig - Previously HW-60) A powerful but comfortable tool to hold and great for most all around uses including detail work on larger specimens. Comes with an inline regulator (see photo HW-323). Pressure should not exceed 2.3 bar (approximately 40 psi) otherwise the tool would destroy any tip. The aircsibe itself will not be damaged. Max 2.3 bar.



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

HW-70 Tool (the little black pig) It has a well balanced great feel. Good for a wide range of work including detail work. Comes with an inline regulator (see photo HW-323). It's less powerful than the HW-65 and therefore a little better for detail work. Includes a 2 mm tip. Runs at .5-2.5 bar.



HW-70 Tips - Pointed and chisel shapes available in regular and extended lengths.

HW-70 Head with needle holder. The 3 different diameters offered add to the range of work for micro (1.5 mm), medium (2mm) or heavy tips (3 mm).

HW-80 The next most detailed tool after the new HW 323 with a flying piston. Comes with an inline regulator (see photo HW-323). Extended tip is advisable for hard to get areas. Operates at 20 - 40 psi



HW-90 Tool (the beast) This is the biggest and strongest for big jobs. It works great on hard matrix. Largest tool you can use in one hand allowing use in glove box. Comes with an inline regulator (see photo HW-323). Pressure should not exceed 4 bar (approximately 60 psi) otherwise the tool would destroy most tips. Max 4 bar.



All above tools are hand built by one person in a small shop in southern Germany. Workmanship guaranteed. Custom tips are available upon request for an additional charge.

Pferd marking pen MST31 is a German built tool with tungsten carbide needles. It is the most micro detailed of any tool we offer. 45 degree custom made tip is the best shape for micro work. This is a very low vibration solid running machine. Perfect for super micro work. Max 6 bar. Operates 50 psi to 100 psi



Pferd marking pen tip and piston

Pferd marking pen 45 degree tips with complete head

FK (green machine) also made in Germany for stone engravers doing ornamental work on granite. It has noise suppression so it is quiet and powerful for big jobs but surprisingly delicate for close controlled work. It fits ergonomically in your hand.

Everyone that uses them really likes them a lot for both field and shop work. They require two hands to operate. One hand holds the chisel allowing it to slide through and the other hand holds the pistol grip. There are a number of chisels of assorted shapes and sizes sold separately.

Three impact strengths are available.

FK 700 has 6700 beats per minute.

FK 711 has 4500 beats per minute.

Photo right shows 700 (same appearance as 711)

Supplied with one chisel.



Extra chisels

FK 713 is heaviest duty. Runs 3000 beats per minute.

Supplied with one chisel.



Extra chisels