



Special and Custom Machining Products

Efficient Solutions

Make difficult tube and pipe machining tasks easier, faster and safer with the H&S Tool special and custom machining services.

We can often modify standard tools, tool holders and/or blades to accomplish special tasks.

In other cases, we have created totally new locking designs to attach the tool to non-standard shapes and designed custom cutters to make tough jobs more efficient.

There will always be some challenges that can't be solved, but if you have a special application, ask your H&S Tool representative or contact the sales department.

It is our job to make your job as easy, safe and efficient as it can be. Often the answer is as simple as our special and custom machining services.



The model J can be equipped with a reamer tool that places an accurate 10° I.D. bevel quickly and easily. This is ideal for high production beveling for chill rings.

Two reamers are available. One has a working range of .500" to 1.750" (12.7 to 44.5 mm). The other working range is 1.250" to 2.500" (31.8 to 63.5 mm).

Attemporator plug removal has been significantly improved. A model BR-90 was modified with a special center shaft with a custom end that locked onto the plug. A Multi-Prep® cutter head is used to remove the seal weld so the plug can be unscrewed.



Make fin removal easier and faster. Multi-Prep® features replaceable carbide inserts that will remove 3.500" (88.9 mm) of fins then place a bevel on the tube end in one pass.



Hand hole cap removal is accomplished with standard tool and cutting head. A special centershaft threads into the cap to lock it securely. Extra wide blades remove the weld without harming the surrounding surface.



I.D. tracking tool slides are available for several models of tools. They make accurate machining of out-of-round pipes easy and fast.



Make short work of stub removal from headers. Here our model MB-110 is equipped with special blades, made to specs, that remove stub weld, chamfer the header and clean up the tube seat in a single pass. Contact us with your specifications to see how easy it is to save time and money.



Remove condenser tubes and seal welds with speed and accuracy. This model BR is equipped with our AirLock, pneumatic locking option increasing the speed even more.



Another compound bevel. This 37.0°-10.0° bevel was placed on a 24.000" (609.6 mm) pipe, 3.500" (88.9 mm) wall in P22 material. It was accomplished in a single machining step with our AFC 24 split frame tool and our resharpenable form tool.

No more grinding! Clearing rifling from tube I.D.'s is made very simple and quick. Our OD tool clamps securely to the outside tube wall. Our patented Multi-Prep® head is used to give a clean, smooth I.D.



The easy compound bevel. Here our MFT-HD uses power and precision to place a 37.0-10.0° bevel. The unique power enables it to turn formed blades in 9% chrome material. Properly set, the operator merely feeds the blades into the face until a smooth, accurate compound bevel is produced.



For orbital welding projects, we have many standard and custom J-prep tool holders and tools to match your specific requirements.