

MACTECH WATERWALL WINDOW MACHINE

MACTECH PORTABLE MACHINING SOLUTIONS

Waterwall Windows

Mactech's Waterwall Window Machine is an important process to consider for your boiler maintenance applications. It produces small, football shaped pockets that are milled into a waterwall.



Over time waterwall tubes corrode on the inside, resulting in the need to replace or repair them. Typically only one side of the tube is accessible for repair. Current practices include torch cutting the damaged section, hand grinding and rewelding the hole. This process is time intensive and the holes are typically inconsistent in size and shape. This causes welding to be difficult and the need to fabricate individual caps.



Our penetrations are consistently the same size and the process minimizes the possibility of chips falling inside the tube. The "web" that remains after machining is easily removed and the prefabricated caps or "coupons" are easily welded into the window.



We can machine coupon windows in virtually any location on a water wall tube, whether it is ten in a row or ten individual cuts. The process is much more efficient than conventional methods, results in consistent hole size, and the caps enable efficient weld up of the hole. Currently coupon windows can be cut in 1.5" to 3" diameter tubes.

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ON-SITE MACHINING SOLUTIONS