

# Ultra-High Pressure WaterJet Technology

MPW's Ultra-High Pressure (UHP) WaterJet technology (40K p.s.i.) is valuable in virtually every industry when 10K or 20K p.s.i. waterblasting is not effective. The dynamics behind the pulsing water speed use less than three gpm of water per gun. This technology removes the most adherent scales, mastics, lead, phosphates, coatings, coke, black liquor and refractory without the use of solvents, acids or chemicals. Proprietary UHP nozzle configurations allow for various jet angles, resulting in reduced downtime and waste disposal costs, without the environmental concerns related to sandblasting.

In addition to cleaning and surface preparation, UHP technology is extremely effective at cutting alloyed construction materials, concrete, steel, high-strength ceramics and composites. Our team of in-house engineers and fabricators has designed several remote cutting systems that adapt to a metal substrate profile and cutting pattern. MPW enhances safety by performing controlled cutting from a distance using remote tracking devices. UHP technology also offers cold cutting solutions in potentially explosive areas where flame cutting cannot be tolerated.

## UHP Applications

- Boiler striping for UT inspection
- Concrete removal
- Heat exchanger tubes for IRIS inspection
- Hydro Demolition
- Preparation for NDT testing
- Preparation for weld overlay
- Refractory removal
- Reinforced concrete cutting
- Tanks and pressure vessels



Magnet tracks secure the remote tracking device to the exterior steel surface of water tanks, vessels, fuel tanks, ship hulls and tanker rail cars. Cutting patterns include precision straight, circular or beveled.



MPW technicians use ultra-high pressure cleaning methods to strip layers of cold tar on piping sections scheduled for microscopic fatigue crack inspection. UHP techniques replace chisel hammers and other abrasive applications.

**Contact your local MPW Representative today for more information on MPW's Ultra-High Pressure capabilities.**

