

# Meet your 'go-to' resource for ultra-high-pressure hydrocutting

*Thompson Industrial Services*

**T**hompson Industrial Services is your single-source provider of high-quality, safe industrial cleaning services with the latest automated equipment and expert personnel you can count on.

For decades, Thompson has been providing safe and innovative ultra-high-pressure (UHP) hydroblasting and hydrocutting services with unmatched experience and expertise — across the globe. Thompson's UHP hydrocutting method is the ideal way to remove reactor and regenerator heads of all sizes, safely at maximum precision and speed.

Thompson's automated track system is semi-rigid yet flexible and the ultimate solution for cutting FCCUs, reactors, columns, door sheets, manways, flare drums and other specialty cutting projects. Thompson's methods simultaneously cut through refractory, eliminating the need for prior removal. Plus, this method is completely safe to perform in volatile explosive environments.

Thompson's UHP division will serve all your needs, from the largest concrete and steel-cutting jobs to tanks and man-

ways. The company's technique allows for extreme precision, with the ability to pre-mark cut lines with hydroblasting. Thompson's hydrocrawler and floor machines tackle the toughest cleaning, scarification and even critical surface prep requirements for NDT inspections. Thompson's team can also tackle all your surface prep needs with the safest, most efficient capabilities. And now, Thompson brings to market the ROC (Remote Operated Crawler) — the ideal solution for stripping pipes, inside and outside tanks, and even rubber linings — truly making Thompson your "go-to" resource for any challenge.

"Our team is renowned for safety, precision and efficiency that exceed our customers' expectations," said Jack Lovett, vice president of Thompson Industrial Services' UHP division. "Each supervisor has over 20 years of experience in hydrocutting with our innovative equipment and the latest technologies. We have tackled the toughest jobs across the globe and can handle any challenge with our custom designed equipment and ingenuity."

Thompson's hydrocutting methods are safer, more precise and more cost-effective than traditional and nearly all competitive processes. Thompson has perfected the service after decades of experience, which includes using a fine-grade abrasive (garnet) injected into the 1,600-feet-per-second, low-volume waterblast stream for a precise, predictable, smooth "cut."

The company's longstanding dedication to its customers has resulted in decades of success stories. "A vessel failure significantly curtailed production, and we were challenged to devise a method to circumferentially cut the vessel near the bottom," said a maintenance manager at a chemical plant. "Normal torchcutting was unacceptable due to flammable vapors that could not be cleared. *Thompson's safe UHP cutting method allowed us to hydrocut the vessel 24 hours earlier than using alternative methods, saving us \$150,000. Plus, their automated high-volume hydroblasting on our convection section saved us an additional \$200,000 in ammonia and fuel.*"

Thompson's variable equipment is cus-

tom designed and can be configured to your exact project. Its automated poly-tracks make precise, straight, beveled cuts in tanks, pipes, reactor heads and coker heads (ideal for refineries decoking reactors). For tank inspections and cleaning, Thompson's automated cutters will cut a beveled, arced edge. This reduces door sheet pressure, which readily facilitates welding back in place.

The quality and versatility of Thompson's equipment and materials, coupled with seasoned professionals for its specialty services, are paramount to its success. When a hydrocutting or hydro-demolition job requires ultra-challenging depths, Thompson can safely cut up to 8 inches of steel and 36 inches or more of concrete and rebar. In addition, Thompson's UHP cutting services can be safely employed in very high LEL (lower explosive limit) environments, such as those typically found in refineries and petrochemical plants.

**For more information, visit [www.thompsonindustrialservices.com](http://www.thompsonindustrialservices.com) or call (803) 773-8005.** ●



## RELAX AND LET US HANDLE THE PRESSURE



### Safe, Innovative & Efficient Ultra-High Pressure (UHP) Hydroblasting & Cutting

Thompson Industrial Services, a proven leader in specialty industrial cleaning services, brings custom-designed automated equipment, engineered job design and highly experienced personnel to optimize the safety and precision of every job.

### The benefits of Thompson's UHP solutions:

- Removes reactor & regenerator heads at maximum precision & speed
- Safe, automated cutting tracks for volatile explosive environments
- Remote-operation in confined spaces
- Unmatched experience and expertise
- Hydro-cut through steel and refractory
- Extreme precision, pre-marked lines and bevel cuts
- Reduced cleanup with vacuum-assist containment
- Plus automated surface prep and scarification capabilities

**SAFETY. PRODUCTIVITY. QUALITY. INTEGRITY.**

**Call our UHP division at 803-773-8005 | [www.thompsonindustrialservices.com](http://www.thompsonindustrialservices.com)**