

40K Cleaning & Surface Prep

Ultra-High Pressure Hydroblasting



Reduced Downtime and Increased Safety with Ultra-High Pressure Hydroblasting

40K hydroblasting AKA hydrolazing, is the ideal solution for removing exceptionally difficult deposits or materials, and for achieving maximum surface cleanliness. Thompson Industrial Services has been providing automated and customizable ultra-high pressure hydroblasting solutions for decades.

Specially designed equipment, automated tooling, and a vast number of customizable configurations allow us to tackle the specific challenges of any project.

Benefits of Thompson's 40K Hydroblasting

- Minimal water usage (2-4 GPM) for little to no environmental risk
- Reduced downtime
 - Faster and often more effective than conventional pressures of 10-20K.*
- Increased "up" production time between cleanings
 - Superior level of surface cleaning that can result in longer intervals until re-cleaning is required.*
- Unique customizable equipment fleet that few others can provide coupled with decades of expertise and experience

Maintenance Planner, Chemical Plant

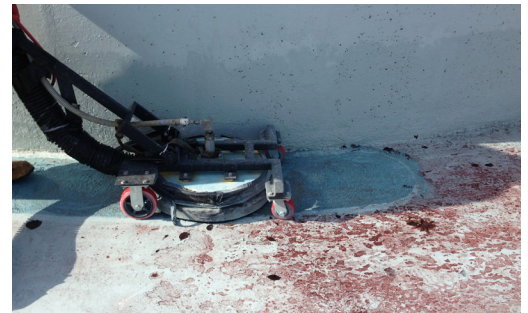
This job involved 40K surface prep of 3 miles of weld seams inside a vessel so the plant could perform the crucial NDT inspection of welds. Thompson's ultra-high pressure surface prep worked considerably faster than the traditional hand-held "buffer/light grinder" wheel or sand blasting to prepare the weld so the impurities did not interfere with the inspection process.

"Thompson's services came in under budget, with zero incidents, and saved 5 days off of our outage schedule."

CUSTOM Automation Packages. We will customize your challenging project with the safest automated options available and deliver a cost-effective solution unique to your equipment and project needs. **Get started with a consultation today – 1-800-849-8040.**



Custom-designed hydrocrawler strips paint off any carbon steel surface. It also vacuums all debris.



Our advanced UHP "mower" & crew removed 21 layers of paint leaving behind a clean, dry surface.

40K Cleaning Ideal For:

- Hard deposit & paint removal, plus lead paint abatement
- Floor cleaning, stripping & scarification
- Non-skid coating removal (ships)
- Boiler tube striping for NDT inspections
- Heat Exchanger cleaning
- Pre-commissioning pipe cleaning
- Tank & pressure vessel cleaning
- Process line & reactor cleaning
- Surface preparation & profiling
- Refractory & rubber lining removal
- Scales, coatings & epoxy removal
- Vapor, polymer & resin lines cleaning

What Sets Us Apart?

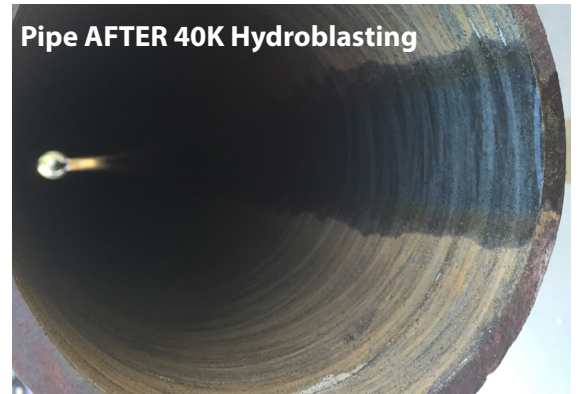
There are numerous crucial factors to consider when determining the best, safest 40K PSI (UHP) method to clean molds, extruders, heat transfer surfaces or prep and scarify a concrete floor. Thompson’s solution often comes in a form of **automation, which is a core competency service**. With the specially-designed equipment and expert personnel that set us apart, our 40K service teams can meet the toughest cleaning, scarification and even **critical surface prep requirements for un-impeded NDT and UT inspections**.

As an example of a recent 40K “impossible” job, our task was to **cost effectively remove 21 coats of nearly 20-year-old paint applications** from a 30,000 SF concrete containment while creating a slight profile for recoating. Prior attempts using glass beads, sand and even 10K water blasting with abrasive injection all failed as well as being extremely expensive. Our experienced team of UHP professionals **customized an automated approach to complete it flawlessly and in less time than the customer anticipated**. We have now begun other projects within the facility.

Automation & Specialized Floor Stripping

Thompson can effectively remove heavy line stripping, coatings and skid marks to gloss coatings – all from the same surface – leaving you with a finished profile ready for coating. Our unique 40K equipment operates without air bars underneath and self-rotates with an **integral vacuum feature that achieves a completely dry operation** to adjacent areas. Plus, Thompson’s 4-bar unique design machine is **twice as productive in the same amount of time**.

With water traveling up to 1,600 feet per second @ 40,000 pounds per square inch, Thompson’s talented and seasoned UHP personnel with automated equipment welcome your most challenging tasks from polymer and resin removal to rubber lining and non-skid coating projects. Please give us a call 24/7 at (800) 849-8040 for a free consultation.



Advanced Line of Equipment:

- Straight & flexible automated cleaning tracks
- Remotely controlled up to 20 feet away
- Demolition tracks for concrete and refractory removal
- Automated hydroblasting equipment line with numerous configurations
- Top-of-the-line tools to remove and retain wall coatings
- Floor machines with vacuum recovery

Additional Services:

Automated Hydroblasting 12K, 20K, 40K PSI

Wet & Dry Vacuuming

Dry Ice Blasting

In-Situ SCR Catalyst Cleaning

Hydro & Pneumatic Excavation

Combustible Dust Remediation

High-Volume Hydroblasting to 1,200 GPM

Chemical Cleaning

FINFOAM[®] Air-cooled Heat Exchanger Cleaning