

SM JET POWER SERVICES PV LTD

Formally Known as JET POWER



Our Customer List

Customer Name	Service Category
• Chowgule Lavgan Ship Repair Pvt Ltd	Hydro Blasting 30K with WJ1Std
• Raiser Maintenance Solutions Pvt Ltd	Pipe Line Internal Cleaning 30K
• Ever renew Energy Private Limited	Hydo Demolition
• Coromandel International Ltd	Evaporator Hydro Jet Cleaning
• The Chodavaram Co-Operative Sugars Ltd (Govt)	Boiler Tube Hydro Jet Cleaning
• Coromandel International Ltd	Acid Tank Jet Cleaning
• ULTRAMARINE & PIGMENTS LTD	Hydo Demolition
• GEMINI EDIBLES & FATS INDIA LIMITED	Calandria Hydro Jet Cleaning
• Parry Sugars Refinery India Pvt. Ltd	Tube Internal Jet Cleaning
• Ultra jet Industrial Cleaning System Pvt Ltd	Hydo Demolition
• BHARATHI MRO INDUS. PRODUCTS PVT LIMITED	Tube Internal Jet Cleaning
• Tripura Gas Based Power Project NEEPCO	Condenser Chemical Jet Cleaning
• SMARTCHEM TECHNOLOGIES LTD.	Tube Internal Jet Cleaning

Working Photos



HYDRO BLASTING WORK AT SHIP YARDS PHOTOS



Equipment Details (Above 2000 Bar only)

<u>S.no</u>	<u>Pump Make</u>	<u>Maker Country</u>	<u>Capacity</u>	<u>Motor Capacity</u>
1.	HAMMELMANN	Germany	2200 Bar	120 HP
2.	URACA	Germany	3000 Bar	180 HP
3.	URACA	Germany	2400 Bar	250 HP
4.	HAMMELMANN	Germany	2100 Bar	120 HP
5.	HAMMELMANN	Germany	2000 Bar	110 HP

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JET POWER



HYDRO MASTER INDUSTRIES



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Conduct Person

T.SRIKUMAR

T.MUTHULAKSHMANAN

JET POWER

OURSELF

HYDRO MASTER Industries commenced operation in Tamilnadu during 2011 as independent subsidiary following similar successful activities since 2021 of its Andhra Pradesh based company.

“ROME WAS NOT BUILT IN A DAY” This statement represents a reality check for an Engineering Service Company serving the marine, petrochemical, offshore and on shore that intent to do business amid astounding technology growth and progressive demand sophisticated.

We are poised to proactively rise in meeting the rapidly changing competitive environment.

And it's now prudent to note this service provider HYDRO MASTER serving their numberless customers.

Our Vision

To be the largest marine and offshore servicing company to serve the poised and rapidly grown customers.

Our mission

To be the best company to work for whereby employees are treated as part of a family

Create a globally recognized ASEAN BRAND

To attain the best cost impact on best services and not compromise on safety regulations.

Maintain the highest quality services, embracing technology to reduce cost and enhance service levels

Our Values

We make the projects as possible through the implementation of the following key strategies.

Safety First:

Following and complying with the industries operation safety measurement i.e. WJ & SA standards

Qualified staff: -

Implementing staff from most known institute, assuring quality and higher productivity

Streamline Operations:

Making sure the project delivery meeting clients dateline always.

Water Jet Solutions for Surface Preparation

When you need to remove unwanted coatings or contaminants from a workpiece to undergo further processing, a water jetting system from JET POWER could be the optimal surface preparation solution.

Capable of safely blasting water at incredibly high pressures, our process quickly cleans without damaging the substrate material.

Benefits of Water Jetting Surface Preparation

This surface preparation technique leverages ultra-high-pressure water to remove various unwanted paints, coatings, rust, and impurities from a cement surface. When blasted onto the workpiece, the pure and chloride-free water leaves behind an ultra-clean, rust-free surface.

Problem:

Removing rust, scale, and coatings on cement surfaces with grit blasting requires containment and clean-up, which can significantly impact profitability. For contractors doing environmental remediation – removing asbestos or lead paint, for example – the containment issue is even more critical.

JET POWER water jetting quickly removes coatings, rust, and other tough adherents without the hazards of grit blasting. The resulting surface meets or exceeds all recognized standards (including the WJ-1 or “white metal” specification of NACE No. 5, SSPCSP-12, and SIS Sa 3). Water jetting solutions for surface preparation are also the only way to meet the SC-2 standard for removing soluble salts, which hamper adhesion and often lead to coating failure. During grit blasting, these salts are often trapped in cavities within the metal. But ultra-high pressure (up to 40,000 psi, or 2,800 bar) water jetting cleans deeply enough to prevent these invisible “corrosion cells” from forming and even restores the surface’s original profile.

Solution:

JET POWER’s Hydro Jet system gives you the productivity of grit blasting without expense, hazards, and clean-up problems. Water jet coating removal with a vacuum recovery feature simplifies disposal and leaves a clean, dry surface — free of flash rusting and ready to recoat.

When your project involves large, vertical surfaces, you need JET POWER’s versatile Our Machine system. It features a rugged Ultra-Clean 40® pump unit, vacuum recovery of wastewater and debris, plus the specific accessories you need for manual or automated work.

Hydro-blasting surface preparation offers many more advantages, including:

Considering all the factors, JET POWER’s system consistently outperforms grit blasting. In addition to achieving a quality cement surface, water jetting:

- Reduced project time
- Low operating costs
- Produces a clean, bondable surface
- Uses minimal water
- Removes invisible containments (e.g., entrapped chlorides)
- Requires little training
- Small equipment footprint
- Environmentally friendly alternative

In the modern business climate, environmental stewardship is essential. Hydro-blasting surface preparation has been shown to have minimal impact on surrounding areas. Plus, there's no air pollution and significantly less waste disposal.

Make Quick Work of Surface Preparation

Preparing a surface with abrasive grit requires containment and clean-up, which reduces turnaround time and profitability. Those are non-issues with a water jetting system.

The process quickly removes coatings, rust, and other tough adherents without the hazards of grit blasting. The resulting surface meets or exceeds all recognized standards, such as the WJ-1 specification of NACE No. 5, SSPCSP-12, and SIS Sa 3. Water jetting for surface preparation is also the only way to meet the SC-2 standard for removing soluble salts, which hinder adhesion and may trigger coating failure.

HYDRODEMOLITION IS AN ADVANCED TECHNIQUE THAT JET POWER COMPANY HAS MASTERED TO PERFECTION.

Hydro demolition, often referred to as hydro blasting or water jetting, is a state-of-the-art concrete removal technique that utilizes high-pressure water jets to safely and efficiently break down concrete surfaces.

Through the precise application of high-pressure water jets, we remove concrete layers while safeguarding the underlying structural integrity. This technique is perfect for bridges, highways, parking structures, and beyond, offering a tailored solution for even the most intricate projects.

Hydro demolition is versatile and can be used in various project including, but not limited to:

- Roads, bridges, and runways
- Ports and quays
- Parking decks

- Canals and locks
- Dams, spillways, and turbines
- Pillars, piles, and columns
- Tunnels, aqueducts, and pipes

- Wind Mill Foundation
- Nuclear power plants
- Water treatment facilities

- Stadiums and warehouses

SELECTIVE REMOVAL

JET POWER's Hydro demolition services excel in selective concrete removal. Unlike traditional methods, hydro demolition precisely targets concrete layers while safeguarding the integrity of embedded rebar. This meticulous approach not only preserves structural reinforcement but also prepares the surface for optimal bonding between old and new concrete. The result is a seamless interface between the two materials, ensuring long-term durability and structural integrity, while reducing the need for costly repairs.

REDUCED MICROFRACTURING

Unlike conventional methods, hydro demolition's precise, high-pressure water jet stream does not cause micro-cracks in the remaining structure. This crucial distinction ensures that any repairs conducted following hydro demolition are built upon a foundation of structural integrity and durability. The absence of microfractures guarantees that your repair work will be of the highest quality, resulting in long-lasting and resilient structures that meet and exceed industry standards.

FASTER PROJECT COMPLETION

By utilizing high-pressure water jets, we achieve unparalleled precision and speed, making hydro demolition more than 25 times faster than mechanical jackhammering. This impressive efficiency translates into substantial time and cost savings for your project. Unlike traditional methods, hydro demolition significantly reduces the need for additional manual touch-ups or repairs. The result? Faster project completion times, a streamlined workflow, and a substantial reduction in disruptions.

HYDRODEMOLITION VS. BREAKING

COMPARING HYDRODEMOLITION WITH TRADITIONAL CONCRETE BREAKING

METHODS HIGHLIGHTS THE CLEAR ADVANTAGES OF THIS INNOVATIVE TECHNOLOGY:

SURROUNDING DAMAGE

Hydraulic breakers or jackhammers, while effective in concrete removal, often come at a price - the inadvertent damage inflicted upon the remaining structure. The precision of hydro demolition ensures selective removal, leaving the surrounding structure largely untouched.

PRECISION CONTROL

Hydraulic breakers and jackhammers lack the precision and control required for optimal and precise concrete removal. In contrast, hydro demolition provides operators with superior control, allowing for meticulous and targeted concrete removal.

SAFE AND EFFICIENT

hydro demolition is not only exceptionally safe and efficient but also offers a significant productivity advantage. Just one robot can accomplish the work of up to 25 jackhammer operators, dramatically reducing costs and increasing project output while mitigating safety risks. The process significantly reduces noise and eliminates silica dust exposure.