

HYDROJET

Hydrojet Ultra High Pressure Industrial Water Jet Cleaning System



UHP Pump



UHP Pump

Introduction

“Hydrojet” Ultra High Pressure Pump

Magna Engineers is the leading supplier of high and ultra high Pressure pumps, we manufacture high and ultra high pressure pump units and a wide range of water jetting accessories including High pressure Tungsten Carbide nozzles, water blasting Dump Guns, High pressure Regulator, Pressure Relief Valve, sewer cleaning nozzles, tube cleaning nozzles etc. Based in Chennai

Magna Engineers has established a large network of clients in numerous industries all over India. Hydrojet high pressure pumps are built to operate at the continuous maximum duty stated in the performance parameters. Operating pressure and flow rate determine the power and pump selection. We can offer a large number of combinations to meet specific requirements. We have High & Ultra High pumps ranging from 600 to 3000 bar and the technology to provide comprehensive solutions for water blasting in varied applications. We manufacture high and ultra high pressure pumping systems which comes with complete assembly mounted on skid or trolley. Our Engineering team has a collective experience of more than 40years. Whereby, we have the required skill & Knowledge to design and develop right pumping system for a specific requirement of the customer. We can design, manufacture, commission, service and provide complete spares for all types of Ultra high pressure pumps.

Magna Engineers will offer cost-effective and environmentally acceptable pumping systems. If you need to solve a tough product removal or surface preparation, you're in the right place.

“Hydrojet” Ultra High Pressure Pumps are built to operate at the continuous maximum duty stated in the performance parameters, just compare the crankshaft speed, average plunger speed, Plunger diameter and power rating.

Features:

- Power ratings up to 850 H.P
- Vertical three cylinder design
- Wide variety of complimentary ancillaries

“Hydrojet” Ultra High Pressure Pump Models & Specifications

Models	Pressure/Bar	Pressure/ Psi	LPM / LPH	H.P	Motor RPM
HJ UHP 5030	500	7250	30/1800	40	1500
HJ UHP 5050	500	7250	50/3000	60	1500
HJ UHP 60100	600	8700	60/3600	150	1500
HJ UHP 75100	750	10875	75/4500	200	1500
HJ UHP 90100	900	13050	90/5400	250	1500
HJ UHP 100100	1000	14500	100/6000	275	1500
HJ UHP 120100	1200	17400	100/6000	300	1500
HJ UHP 150100	1500	21750	100/6000	350	1500
HJ UHP 180100	1800	26100	100/6000	470	1500
HJ UHP 210100	2100	30450	100/6000	540	1500
HJ UHP 250100	2500	36250	100/6000	670	1500
HJ UHP 300100	3000	43500	100/6000	850	1500



Hydrojet Cleaning Nozzles



Rigid and Flexible High Pressure Lances

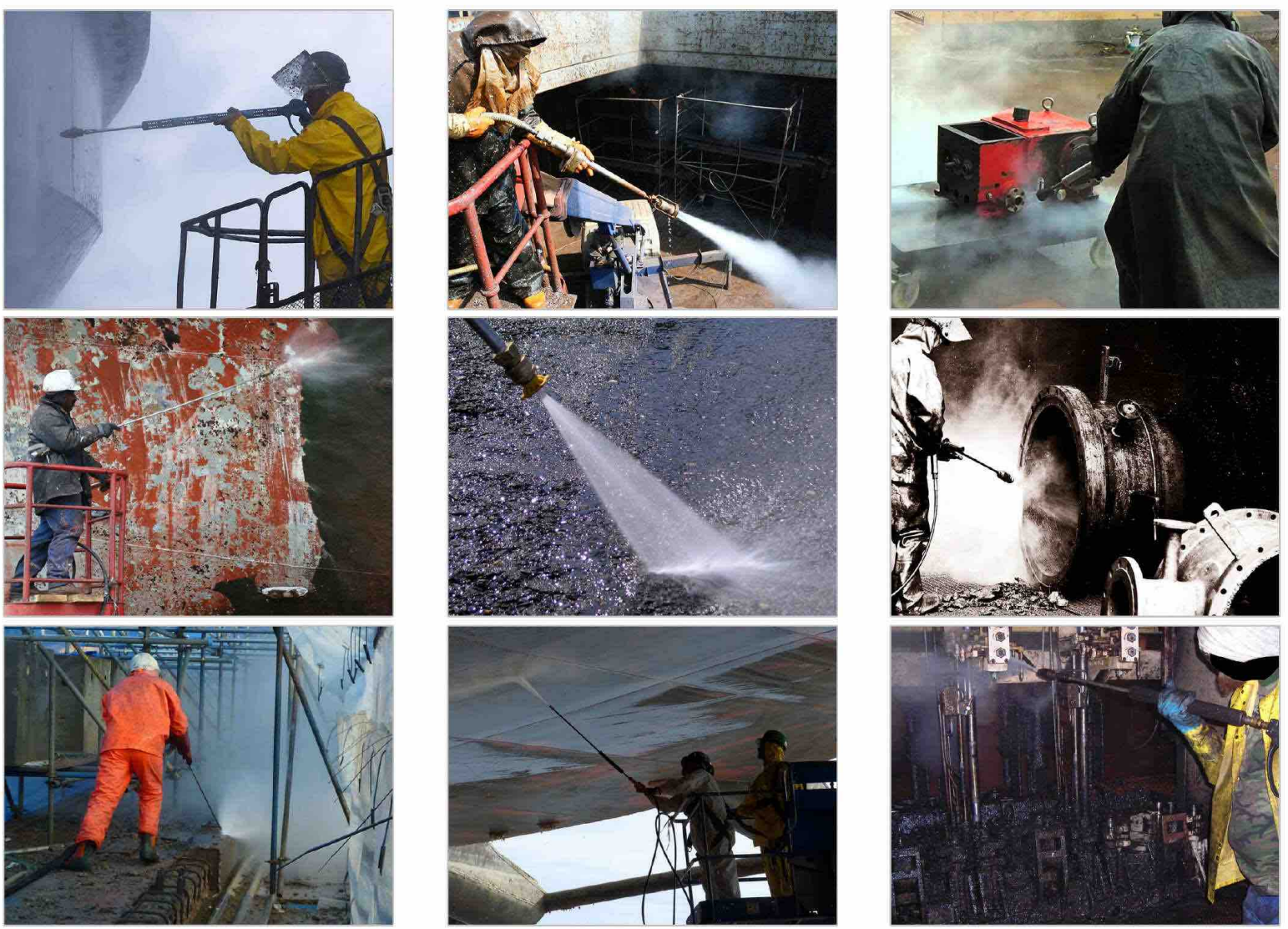


High Pressure Jetting Guns

Quality and Reliability:

- Stainless steel pump head free of alternating stress
- Bellows from hermetic seal between the suction chamber and crank section
- Choice of application specific seal assemblies
- Solid ceramic or tungsten carbide plungers
- Choice of bronze (standard) or stainless steel suction chamber
- Crank section calculation by “finite element method” ensures long working life under continuous load
- Integral speed reduction gear
- Pressurized oil lubrication system with oil cooler / Filter

Hydrojet Ultra high pressure water blasting systems operate at pressures up to 3000 bar without any abrasive additives. Using water eliminates the harmful and often damaging side effects produced by dry abrasive blasting such as airborne dust, chemical/ thermal pollution and surface ingrained residual blasting materials. It is the healthy, environmentally friendly method of surface preparation.



Hydrojet Automatic Tank Cleaner



Hydrojet Surface Cleaner



Wet sand Blasting Nozzle

APPLICATIONS IN VARIOUS INDUSTRIES

Sea Food Processing

Tea Processing

Milk Dairies & Processing

Fruits & Vegetables Processing

Poultry Farms & Hatcheries

meat Processing

Honey Processing

Pickle Manufacturing

Bakers & Confectioneries

Sweets & Savories

Breweries & Distilleries

Sugar Industry

Paper Industry

Cement Industry

Granite & Marble

Leather Tanneries

Chemical Industries

Refineries & Fertilizer Plant

Iron & Steel Industry

Bulk Drug Manufacturers

Hotels, Hospitals & Service Industries

Work Shops & Engineering Industries

Automobile Service Stations

Power Plants

Construction Companies

Shipping & Marine Industry

Air Craft Maintenance

Rail Coach Washing

Ceramic Tiles Industry

Textile & Dying Industry

Magna Engineers

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