INDUSTRIES

- Automobile
- Airports and airlines
- Breweries/Distilleries
- Cement plants
- Chemical & Petrochemicals
- Construction
- Effluent Treatment Plants
- Fertilizers
- Food processing
- Hotels/Hospitals
- Municipalities
- Milk/Dairy Products
- Mining
- Offshore & Shipbuilding
- Oil terminals
- Paints industry
- Paper & Pulp
- Pharmaceuticals
- Poultries
- Power
- Railways
- Refineries
- Service Stations
- Steel
- Textiles
- Tea gardens
- Transport
UT Pumps & Systems Pvt Ltd, an ISO 9001 certified company, offers a wide range of products for different applications in a wide range of industries. Under one roof UTPSL has products which can provide solutions for different pumping applications in a single industry. All the products are manufactured as per design and technology absorbed from leading European companies by virtue of joint venture partnerships.

**SCREW PUMPS**
Manufactured as per design absorbed from Bornemann Germany, Screw pumps are Rotary Positive Displacement Self Priming Pumps which thru noiseless and vibration free operation produce a pulsation less, turbulence free laminar flow of liquids.

**Applications:**
Transfer, loading/unloading, pressurizing, process applications of liquids with very low to high viscosity, liquids with lubricating or non lubricating properties, chemicals, highly aggressive and corrosive liquids, liquids with entrained gases, slurries and many others.

**Single Screw Pumps/Eccentric Helical Rotor Pumps**
Available in various material combinations and are suitable for handling liquids with extremely low or high viscosity, neutral or abrasive in nature with solid content or fibrous material.

Max Pressure : 24 Bars, Max Flow : 200 M3/Hr, Max Viscosity : 1,00,000 cst

**EH**
Standard Design horizontal pumps with flanged suction and discharge suitable for all general applications and industries specially in effluent treatment plants, paper industries and many others.

**ER**
Standard Design horizontal pumps with hopper design inlet and conveyor screw for transferring extremely viscous, pasty or hardly pump able media or media with a content of solid matter (up to 60% drying agent).

**EL**
Similar to EH design but without Bearing Housing is compact design directly connected to the driver, short length, low weight, no separate base plate, horizontal installation.

**EU**
Vertical Installation Pumps with especially designed pump housing and joint shafts for Specific application. Pumps are mounted directly over the well or container which has to be emptied.

**ES**
Complete stainless steel construction pump with special Pumps casing for quick cleaning, as the complete Pumps can be dismantled and reassembled with effortless ease and complete cleaning of each part is possible. Pumps are ideally suited for milk and food processing industry.

**TWIN SCREW PUMPS**
UTPSL Twin Screw Pumps are self-priming, double ended positive displacement pumps with external timing gears and bearings. Their design provides complete axial balancing of the rotating elements and eliminates all metal-to-metal contact within the pump, making them suitable for handling liquids with non lubricating nature and dry running. In addition with extremely low NPSH requirement they are ideally suited for decanting applications. Twin screw pumps are most suitable for loading/unloading applications in oil terminals, tank farms, filling stations etc. Manufactured in variety of material combinations depending on liquid to be handled are available in horizontal or vertical installation.

Max Pressure : 40 Bars
Max Flow : 500 M3/Hr
Max Viscosity : 40,000 cst
TRIPLE SCREW PUMPS

UTPSL Triple Screw Pumps with external or internal bearing are available in horizontal or vertical constructions, with or without heating arrangements and have single mechanical seals for shaft sealing. They handle all neutral lubricating liquids, have a compact space saving design and are self priming. Due to the precise manufacture of the screws and their profile, the possibility of getting a high suction lift is ensured. They operate continuously and run noiselessly and are suitable for transfer, pressurizing applications in oil hydraulics, fuel firing, lubrication systems, power packs and many others.

Max Pressure : 120 Bars
Max Flow : 180 M3/Hr
Max Viscosity : 10,000 cst

PDH
Horizontal foot pumps with flange connection. The pump casing is symmetrical in standard execution and by simple rotation through 180° about the longitudinal axis, the suction and discharge location can be interchanged.

PDS
Vertical flange pump with motor lantern having lateral suction and discharge are space saving design.

PDF
Horizontal or vertical flange pump with laterally arranged flange connections.

PDT
Vertical mounted pump with a submerged inlet connection, particular constructed for the specific application for mounting on tanks.

PDE
Complete cartridge pump ready for operation, to be directly mounted in plants or machines, also without additional casing.

HIGH PRESSURE COLD/HOT WATER JET CLEANING MACHINES

UTPSL Cleaning Systems comprising of plunger Pumps complete with drive and safety control systems required for various applications of cleaning. The complete unit is a compact mobile unit with easy maneuverability in difficult terrains as well as on smooth surfaces. Also available as stationary unit with drive by electric motor or diesel engine and special accessories for delivering hot or cold water at high pressures.

Applications : Cleaning of earth moving equipments and vehicles, components & castings, dies, floor, track & coaches, air filters, tanks, and many more


Max Pressure : 350 Bars
Max Flow : 200 lpm
HIGH PRESSURE WATER JETTING MACHINES

UTPSL offers high-pressure Triplex plunger pumps for a wide variety of industrial applications. Products of intensive research and development, the plunger pumps are designed to achieve high standards of performance and reliability. Plunger pump are designed to withstand continuous duty operations & guarantees smooth and trouble free performance with ability to clean many times faster than conventional cleaning methods. High pressure jetting unit is available as mobile or stationery unit complete with Triplex Plunger Pump coupled to electric motor or diesel engine getting pressurized filtered water thro simplex/duplex filter and booster pump with safety equipments controlled thro a local mounted control panel. The complete unit is delivered ready for use in running plant or remote locations alongwith special accessories selected for specific applications.

**Applications:**
- Cleaning - Turbine Blades, Heat Exchangers, Evaporators, Condensers, Pipelines, Air Filters, Laddes, Pre Heaters, Pressure Vessels, Tanks, Ship Hulls, Sewage Pipes, paint shops grits;
- Descaling - Billets, Blooms, Plates; Hydro Testing, Water Injections, Accumulator Charging, Concrete Cutting, Runway Cleaning, Paint Stripping and many more

**Industries:**
- Automobiles, cement, power plants, fertilizers, pipeline fabrication, pipes and tube manufacturing, steel making and rolling, castings and forging plants, construction and many more.

Max Pressure : 1500 Bars
Max Flow : 500 lpm

TRUCK MOUNTED MOBILE JET CLEANING UNIT

These are very versatile mobile cleaning units consisting of a plunger pump mounted on truck chassis. Plunger pump takes drive from truck engine and water from a large capacity water tank mounted on the truck chassis. These units find applications in difficult terrains of cement plants and quarries and are ideally suited for cleaning of vehicles in their working locations without bringing them back to workshop.

**DESCALING SYSTEM**

Descaling Systems can be designed for Billet /Slab /Plate /Bloom/Forging/Seamless Pipe/Profiles etc for Primary Descaling (Immediately metal taking out from furnace) and secondary Descaling (Just before final pass). The scale surface is broken by High Force of Water Jet. Scale is released from Surface of Billet by different rate of contraction of scale & the metal under sudden cooling and is blown off the surface of the Metal by the explosive evaporation of Water particles under the scale. The released scale is washed away with high-pressure water through angled jet.

**Industries:**
- Steel Rolling Mill, Forging plants, Pipe Manufacturing Unit, Sheet Rolling, Wire / Rod Mill

![Billet Before Descaling](image1)

(BILLET BEFORE DESCALING)

ENTERING IN DESCALING CHAMBER

![Billet After Descaling](image2)

(BILLET AFTER DESCALING)

(COMING OUT FROM DESCALING CHAMBER)

For further details, please contact

UT PUMPS & SYSTEMS PVT. LTD.

WORKS & HEAD OFFICE : 147, Mathura Road, Faridabad-121 003, Haryana. Ph : 0129-4045831/404682/3299731/2258588. FAX : 0129-2275877

2258584 E-Mail : sales@utpsl.in, utpsl@rednet.in WEBSITE : www.utpsl.in MARKETING OFFICES - NORTH ZONE : 147, Mathura Road, Faridabad-121 003, Haryana. Ph : 0129-4045831/404682/3299731/2258588. FAX : 0129-2275877/2258584 E-Mail : northzone@utpsl.in EAST ZONE : BC-71 SEC-1, Near Tank No.3, Salt Lake City, Kolkata-700 064 Ph : 033-40040389 / 32585700 FAX : 033-40040385 E-Mail : eastzone@utpsl.in.

WEST ZONE : UNT No. 203, 2nd Floor, C-Wing, Building No.2, Kallas, Industrial Complex, Behind Godrej Residential Colony, Opp. L.B.S. Marg, Parkaite, Vikhroli (West) Mumbai-400 079 Ph : 022-32992348/25127250 FAX : 022-25117491 E-Mail : westzone@utpsl.in SOUTH ZONE : No.3, 7th Floor, AISA Tower, No. 186 & 187, Poonamallee High Road, Kilpauk, Chennai-600 010 Ph : 044-3294212 FAX : 044-26401850 E-Mail : southzone@utpsl.in