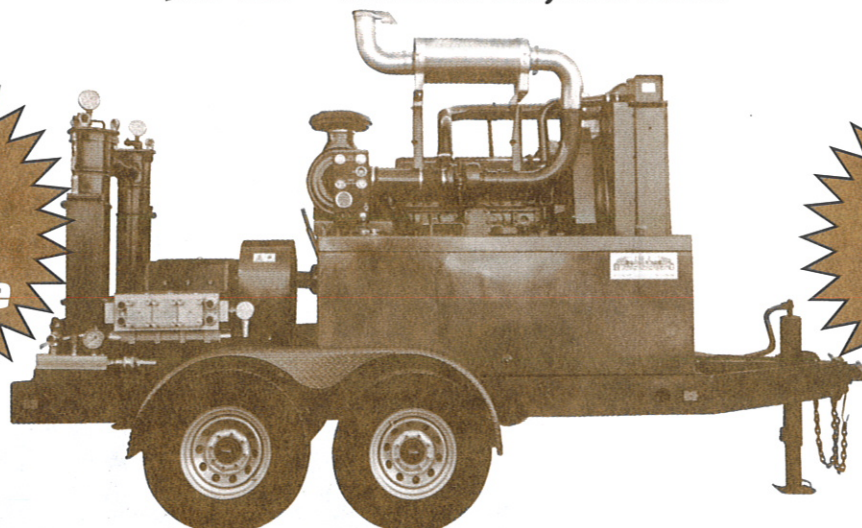




MOST POWER ON WHEELS

400 HP - UNDER 10,000 LBS.

**Rental
&
Leasing
Available**



**Special
Designs?
No
Problem!**

BEST WARRANTY AVAILABLE

3 YEARS/ 3000 HOURS - 1000 HOURS ON WEAR ITEMS

TOW WITH ANY 1-TON

NO SPECIAL VEHICLES NEEDED

LOW COST MOBILIZATION

BETWEEN BRANCHES & JOB SITES

PLUNGER

1.024 IN

1.102 IN

1.181 IN

1.378 IN

1.575 IN

1.772 IN

1.969 IN

2.165 IN

PRESSURE

20,000 PSI

17,271 PSI

15,045 PSI

11,053 PSI

8,463 PSI

6,687 PSI

5,416 PSI

4,476 PSI

FLOW RATE

28.45 GPM

33.00 GPM

37.88 GPM

51.56 GPM

67.34 GPM

85.23 GPM

105.22 GPM

127.32 GPM

14706 Park Alameda • Houston, Texas • 77047

Phone: 713/782-1932 • Fax: 713/782-4202

www.hydroengineeringinc.com info@hydroengineeringinc.com

Some of the technical advantages of purchasing your UHP unit from Hydro-Engineering Inc. are: we offer the best warranties, the fastest deliveries, and the best after-sales support in the industry.

Warranty

Completed Bare-shaft Pump: 3-years, or 3,000 hours, less wear items. That is 300% longer than any available warranty in the industry.

Wear items: 500-hour guarantee on all wear items in our fluid end. That includes, but is not limited to, the packing, plungers, valves, support rings, etc. There is no other water-jetting manufacturer that will extend this warranty to you in writing. In fact, no other manufacturer will guarantee any wear items at all in their fluid ends. You can expect between 5 and 250 hours of life on these same wear parts with any other manufacturer. What does this mean to you? You can expect our operating cost to be at least 50% less than that of any other manufacturer, at 40,000 PSI.

Engine: 2-years or 2,000 hours.

Fastest Delivery

Pumps: Stock to 3-weeks.

Units: 2-6 weeks.

Accessories and spares: 1-year spare parts kit guaranteed at HEI-Houston, and 250 spare part-stock-ing offices around the world, for additional support.

Service and Support

Before the sale: Enjoy the use of a similar unit prior to making your final decision to purchase. In other words, take our unit and use it for a full two weeks. If you decide to

make a purchase, there will be no charge. If you decide not to make a purchase of a new machine, you simply pay for the freight and wear items... No questions asked!

During the sale: In the unlikely event that HEI is unable to deliver your new unit when promised, you will enjoy the free use of one of our demonstration units until such time as your new unit arrives...Guaranteed!

After the sale: HEI guarantees that a full years worth of spare parts will remain in our stock at all times, insuring your continued operation. Further, if you experience any down-time during the warranty period, and we cannot solve your problem via phone or technician visit, HEI will mobilize a demo unit, free of charge, to your job location, until such time as we can determine and remedy the cause of your down-time.



HYDRO-ENGINEERING Inc.
WATER-JETTING APPLICATIONS SPECIALISTS
ULTRA-HIGH PRESSURE WATER JETTING EQUIPMENT

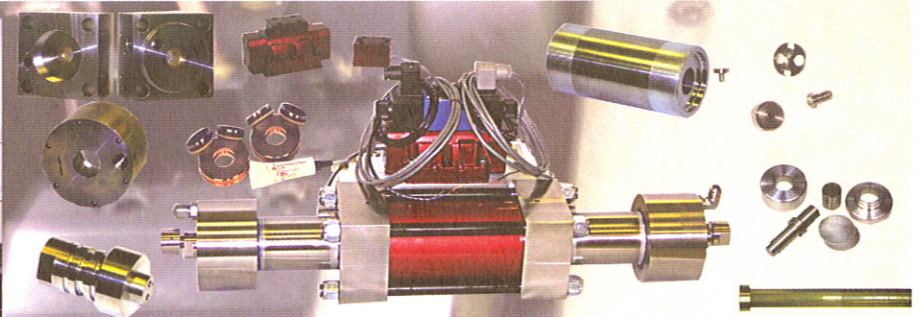
RENTAL & LEASING AVAILABLE
SPECIAL DESIGNS NO PROBLEM!

WE OFFER WHAT NO ONE ELSE CAN!
40,000 PSI to 26 GPM
BEST WARRANTY IN THE BUSINESS!
2 YEARS OR 2000 HOURS
ON COMPLETE UNITS
500 HOURS GUARANTEED
ON ALL FLUID END WEAR ITEMS

180M-40 40K PSI at 7 GPM
325M-40 40K PSI at 13 GPM
Pumps and Units Available with Pressures to 40,000 PSI, Flow Rates to 520 GPM, Rated for up to 1,200 HP

Air Rotary Guns **VacuJet-40HM** **VacuCrawler-40** **VacuJet-40HH**
Dump Guns/Turbo Jets **HydroMower** **Lizard** **HandHeld**

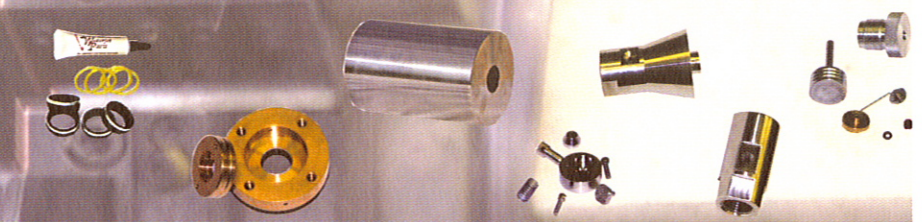
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CUTTING SYSTEMS:

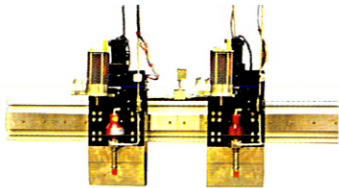
Complete cutting systems available in (3) sizes, 4'x4', 4'x8' and 6'x 10'. Prices starting at under \$100,000.00. Single and multiple head configuration with intensifier style pumps up to 100HP.



WATERJET PC BASED MOTION CONTROL SYSTEMS:

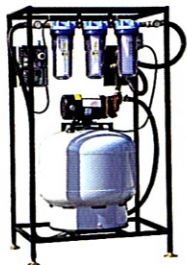
Want to upgrade your control system? Packages available with and without drive amps and motors. After installation your system will be laser calibrated and ball bar tested.

Features include: full color graphics with full function, integrated operator control. Unlimited block retrace and look ahead buffers, single button return to path feature, array, rotate, scale, plate alignment, etc.. Full-featured handheld pendant allows complete control of machine autonomous from control. Control up to (4) cutting heads standard. Network ready, NT & Win 98 operating systems.



SPREADER BARS AND SUB - Z LIFTER STATIONS:

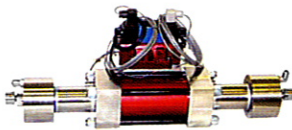
Increase your output capacity with multiple heads! Lightweight rigid spreader bars with your choice of V-rail lateral adjustment slides. Sizes from 48" nozzles separation to 100+". Individual lifter stations utilize DC gear motor drive system directly coupled to lead screw. Uses stainless steel linear rails and a quad set of self-aligning linear pillow block style bearings. All slide and drive components protected by accordion style bellows.



BOOSTER PUMPS AND FILTER BANKS:

Increase your UHP component life!

Single Bank and Dual Bank booster Pump Assemblies. Includes operator panel with contactor and motor overload protection, pressure relief valve, pressure switch starter for on demand water requirements, bladder storage tank, 10,1, & .45 micron filter elements in clear canisters equipped with inlet/outlet pressure gauges for differential pressure measurement.



INTENSIFIERS ASSEMBLIES (FLOW STYLE) LONG AND SHORT BLOCK:

Includes HO style Hydraulic End Bells, Ceramic Plungers and HO Check Valve Assemblies. Long Block also includes Hydraulic Manifold with integral pressure relief valve, hydraulic directional control valve and electrically actuated pilot valve. Shift sensor assembly utilizes standard proximity switches greatly reducing the replacement cost versus the OEM. Retrofit kits available with control enclosures for upgrading older electric shift pumps and all mechanical shift pumps.

MAINTENANCE CONTRACTS & SERVICES:

Preventive maintenance performed by qualified technicians, virtually eliminates costly downtime and cutting inaccuracies! 24-7 support included with contracts, lets you get the answers you need immediately.

Flat cost structure based upon the number of machines you have. Travel expenses shared amongst the contract group in your area. Laser calibration and ball bar analysis performed on-site. Call for details and references.

PROGRAMMING SOFTWARE:

Full nesting packages available from \$4,000 to \$6,000, including post for your machine. Import files from dwg, dxf, igs, etc.. Expandable standard shapes library, True Type & Omega font vectorization standard! Call and we can arrange an online demonstration!



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