Hydra-Power Systems, Inc.

5445 NE 122nd. Ave.
Portland, Oregon

HPS
HYDRA-POWER SYSTEMS, INC.

Company History

- Hydra-Power Systems, Inc. (HPS) was founded in 1970 by Lynn Stuart
- HPS began by building custom hydraulic power units and incorporating custom hydraulic manifolds. Serving primarily the forest products industry for 12 years.
- HPS pioneered custom manifold production with Bob Koski of Sun.
- HPS developed innovative techniques for the production of manifolds
- HPS grew from one building to five prior to purchasing property in 1998 near Portland International Airport (PDX) for their new facility.
- In 2000, HPS moved all operations into our new 58,600 sq. ft. building on N.E.122nd Ave near PDX.
- HPS specializes in custom valve packages that incorporate; cartridge valves, solenoid valves, servo valves, ball valves, filters and other hydraulic components.

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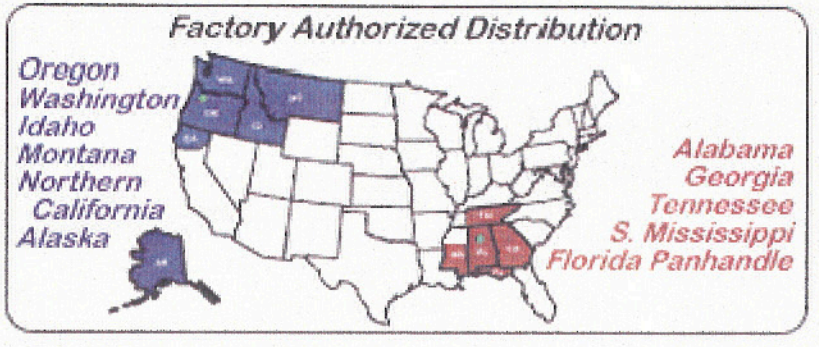
HPS Overview



- Distributor of Hydraulic Components throughout the Northwest and Southeast
- Largest Sun distributor in the world
- One of the first Wandfluh distributors in the United States
- Distributor for HydraForce, Moog, Schroeder
- Principle Worldwide Markets: Electric Power Generation, Offshore, Subsea, Defense, Industrial and Mobile Equipment OEM's.

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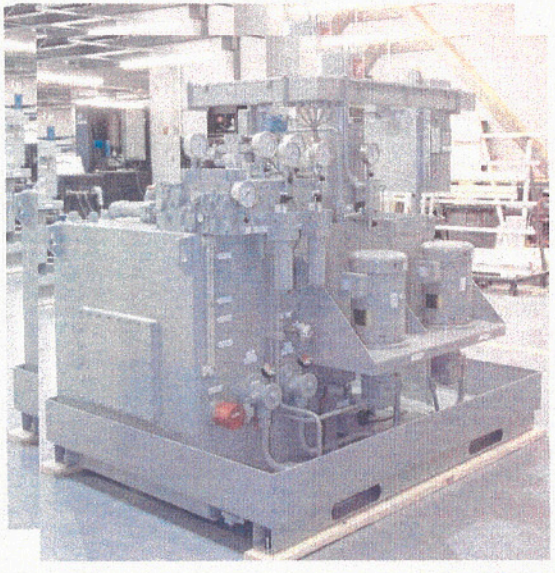
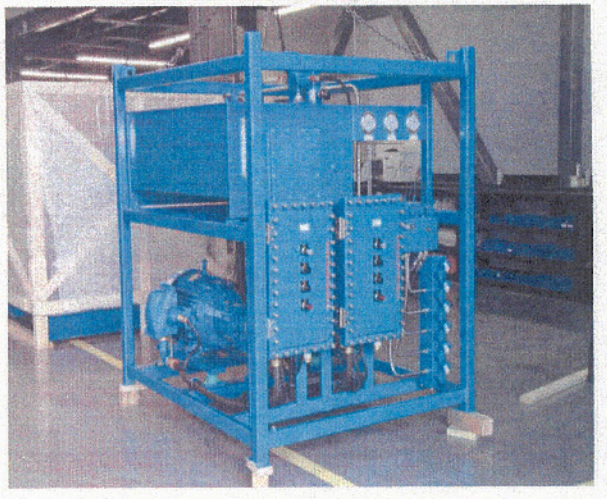


Hydro-Electric
& Offshore
Hydraulic Power Units



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Manifold Production Resources

- HPS has four full-time hydraulic manifold designers – AutoDesk & VEST
- HPS has 6 fluid power designers, with product specialist
- Manufacturing is accomplished with 4 CNC vertical machining centers, radial drills, large custom tool inventory, Triple Turbulators manifold washers, manifold test bench and miscellaneous manifold manufacturing equipment

Mazak Cat 50 VMC
W/ pallet changer, high pressure
Coolant & increased HP.

Mazak Cat. 40 VMC's
VCN 510 w/ increased Hp
and Z-axis height

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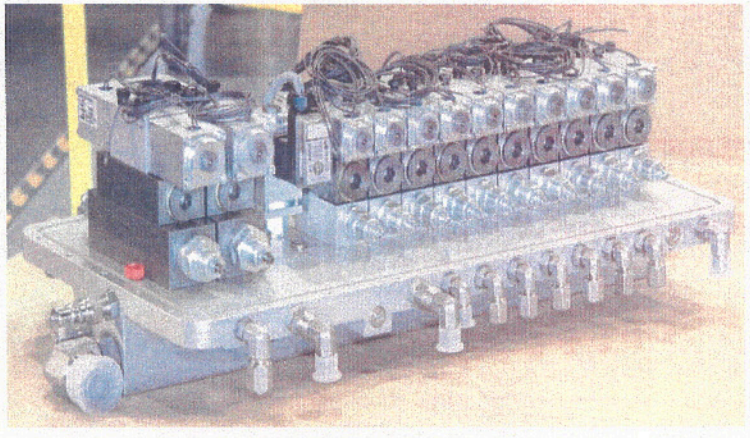
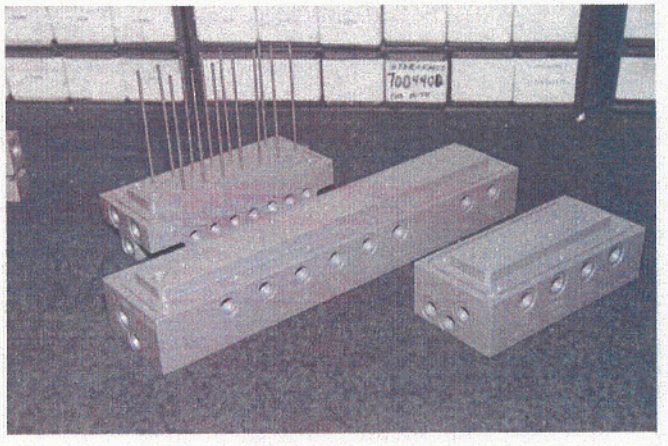
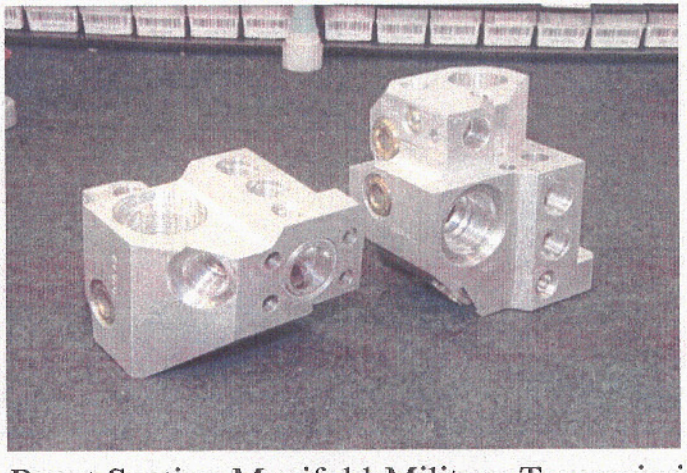
Subsea & Specialized Manifolds



ROV 12 Station Manifold



Offshore Manifolds



Boost Suction Manifold-Military Transmission

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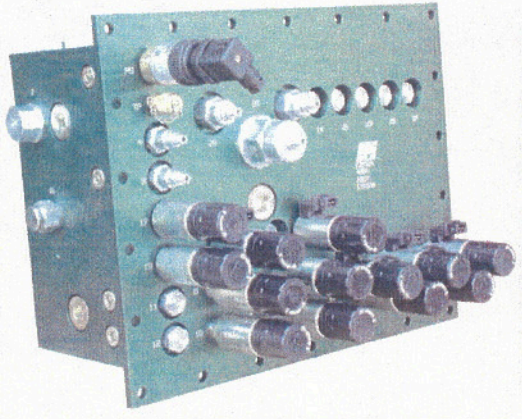
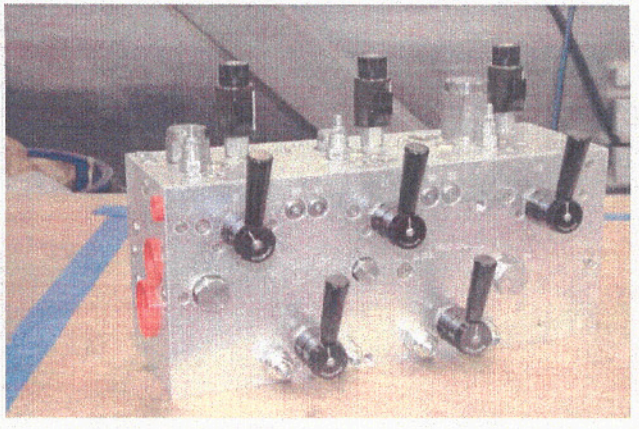
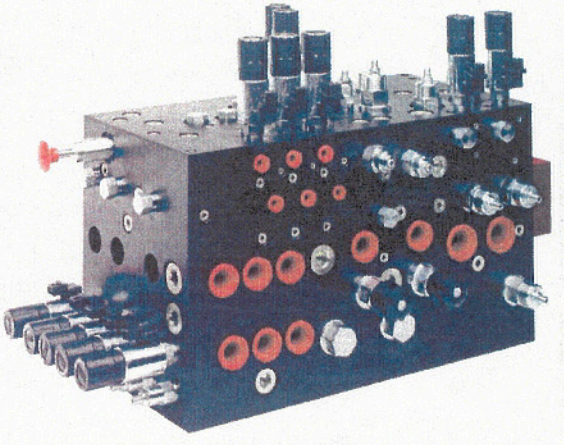
Custom Manifold Examples



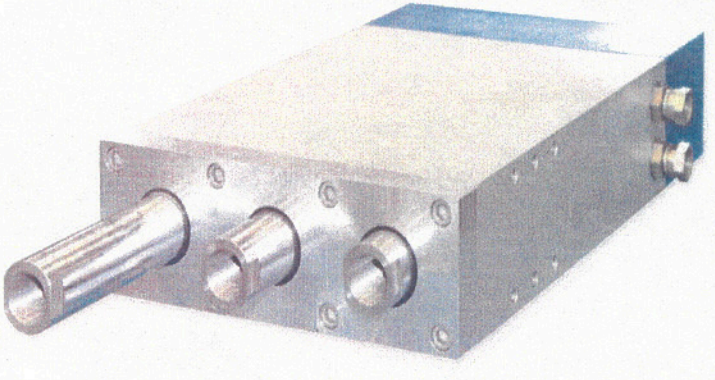
Foreign Navy
Variable Freeboard
Valving Manifold



Mining Conveyor Control Manifold



US Navy
Variable Freeboard
Valving Manifold



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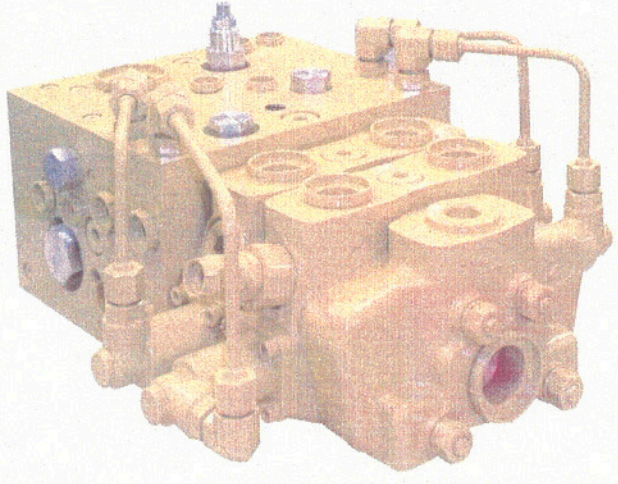
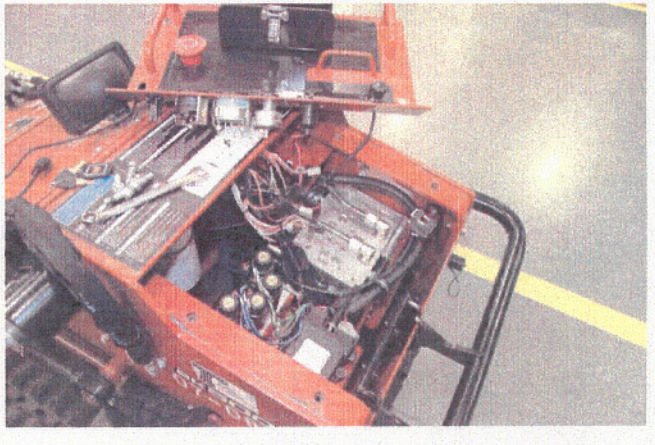
Mobile Market Manifolds



Caterpillar Dual Winch Control



Remote RC Machine Functions

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HPU Test Area -Portland,Oregon

155 Hp. Test stand with a range from
137 gpm @ 2200 psi. to 8 gpm @ 6000 psi

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HPS Manifold Test Bench

Test bench includes variable flow and pressure setting up to 5000 psi.

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