POWER TEAM®

Hydraulic Pumps, Cylinders, Jacks, Pullers & Tools

IDC-USA®

www.IDC-USA.com

Power Line

ABOUT POWER TEAM

A Broad & Growing Line of Problem Solving Products

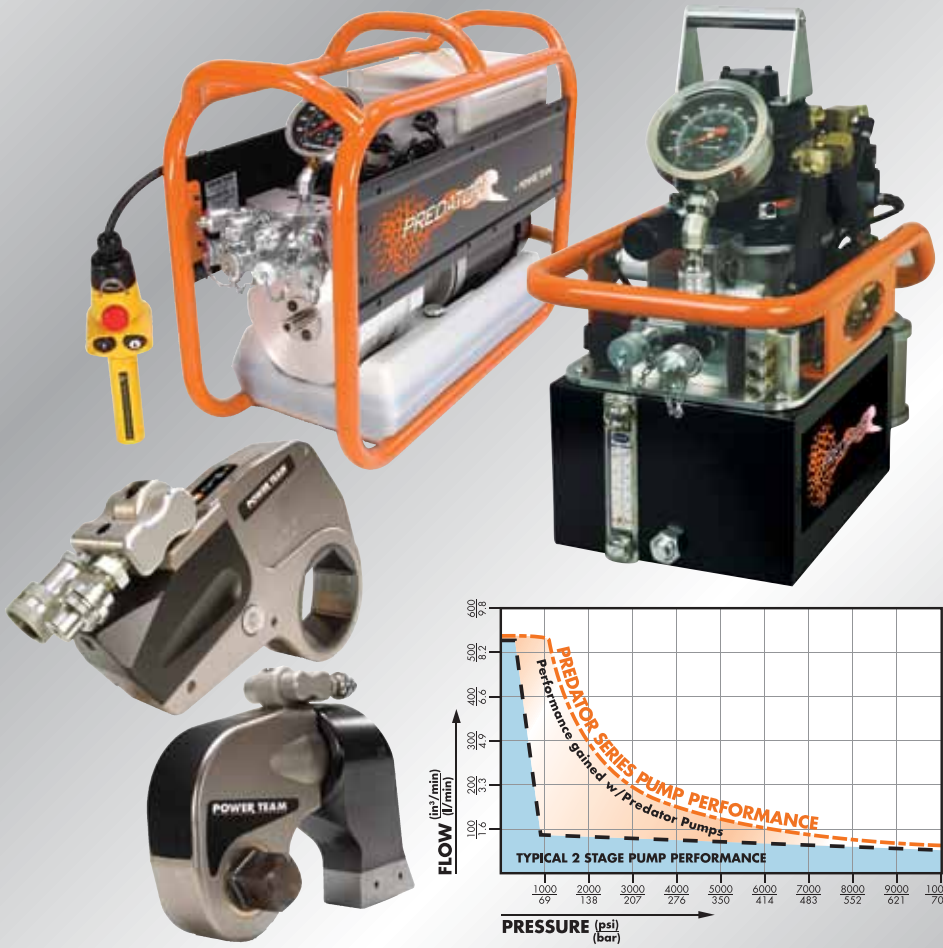
A Heritage of Innovation
The early origins of Power Team date back over seven decades. Since then Power Team has emerged as a global supplier of hydraulic and mechanical tools, serving a broad range of industrial and construction markets.

A Pacesetter in Hydraulic Technologies
Power Team's history of designing and producing high pressure (10,000 psi/700 bar) hydraulics date back over 50 years. Since then Power Team has continued to expand its portfolio of pumps, cylinders, jacks, valves and accessories in response to market demand.

Creative Solutions
The Power Team product portfolio of mechanical and hydraulic tools continues to expand. Special versions of many of these products are available upon request.

The Power Team Commitment to Quality
Power Team is certified to the ISO 9000 Quality Management system. This industry distinction is underscored by Power Team's Lifetime Marathon Warranty.

Product Availability and Service
A worldwide network of Power Team distributors and service centers assures local product, parts and service availability.



Predator Series Hydraulic Pumps & Torque Wrenches

- **Ideal for the bolting industry**
- **Portable Hydraulic Pumps**
  - High speed for high productivity
  - Continuous flow based on hydraulic pressure
  - Electric and air powered
  - Continuous duty rating
  - 11,600 psi/800 Bar Pump
- **Predator Torque Wrenches**
  - Light weight, low clearance
  - Superior torsional strength
  - Up to 28,800 ft. lbs. of Force

Why Predator is Best

- Traditional two stage hydraulic pumps have a flow curve that transitions high to low flow around 700 psi.
- Predator pumps have much higher, smoother flow throughout the pressure curve.
- Predator flow continually changes based on pressure - making maximum horsepower and flow at all pressures.
- The Payoff - The largest flow increase is between 1,000 & 5,000 psi, where torque wrenches normally operate - dramatically increasing productivity.

HYDRAULIC PUMPS

Hand, Air, Electric & Gas Pumps for Every Operation

A. Hydraulic Hand Pumps

- Metal or aluminum construction, yet light in weight for portability, the wide range of Power Team hand pumps is ideal for powering single-acting or double-acting cylinders and hydraulic tools.
- Single-speed models (P12, P23 and P55 series) are primarily for use with single-acting hydraulic cylinders.
- 2-speed pumps (P19, P19L, P59, P59L, P157, P159, P300 and P460 series) provide fast cylinder piston approach to the work to reduce the number of handle strokes needed.

B. Air/Hydraulic Pumps

- For powering single-acting cylinders and portable hydraulic tools. The PA9 series is all metal, unlike some competitive units.
- Need higher output? Check out the PA60/PA46 series 2-speed pumps.
- For higher pressure applications, the PUA/PMA pumps operate at pressures up to 35,000 psi (2,410 bar).

A

B

B

A

B

POWER TEAM®

C. Electric/Hydraulic Pumps

- All Power Team electric/hydraulic pumps are 2-speed models, offering faster cylinder extension. Electric motors range from 1/4 hp to 10 hp.
- For powering cylinders or tools up to 10,000 psi (700 bar).
- Quarter Horse, battery operated pumps are ideal for powering portable tools such as spreaders, nut splitters, pipe flange spreaders, etc.
- Famous Vanguard® pumps have been continually upgraded for over 40 years. Reliability? Some of the originals are still in service!
- Power Team offers assemble-to-order electric/hydraulic pumps, built to fit each specific application.

D. Gasoline-Driven Hydraulic Pumps

- Readily portable; popular in the railroad, rescue and construction markets.

HYDRAULIC CYLINDERS

Reliable Hydraulic Cylinders for Every Task

Designed for Operating Pressures to 10,000 psi (700 bar)

- Single-acting, double-acting and pull-type cylinders are available. All meet ANSI B30.1 and CE standards.
- Capacities range from 2 to 1,220 tons, with stroke lengths of 5/16" (8mm) to 20-1/8" (511mm).
- Swivel caps are standard on several Power Team cylinder series.
- The exclusive Power Tech surface treatment provides high corrosion and wear resistance on some models.

A. C Series Cylinders

- C Series cylinders have threaded collars, base mounting holes and piston rod ends for easy mounting.

A

B

A

B

POWER TEAM

C

D

E

B. Center-Hole Models
- Center-Hole models enable extension of cables, screws, etc., through the cylinder.

C. Shorty and Pancake Cylinders
- plenty of force in a compact package.

D. Aluminum Cylinders
- Power Team originated the aluminum cylinder design offering half the weight of steel cylinders.

E. Locking Collar Cylinders
- Need to hold the load? locking collar cylinders are the answer.

JACKS & SHOP EQUIPMENT

A Wide Variety for Hundreds of Uses

A. Inflatable Jacks
- Thin enough to fit in tight places where other jacks can't be used. Capacities of 1, 3, 7, 12, 22, 32, 44 and 73 tons.

B. Hydraulic Toe Jacks
- Get under and lift equipment with only 1-1/16" (27mm) of ground clearance. Ideal for machine rigging, lift truck service, etc. Capacities of 5.5, 11 and 27.5 tons.
- Economy toe jacks in 2, 3 and 5 ton capacities.

C. Hydraulic Bottle Jacks and Telescoping Jacks
- Capacity range of 2 to 110 tons. Many models feature screw extensions. New telescoping models have extra long stroke.

D. Hydraulic Mini Jacks
- Here's 5 tons of power in the palm of your hand! Use vertically or horizontally as a jack or spreader. Needs only 2-1/2" (63.5mm) of clearance.

A

B

C

D

POWER TEAM®

E. Powerlift High Tonnage Portable Jacks

- Portable and compact; ideal for rail car, construction, mining and other heavy equipment maintenance.
- 55, 100, 150 and 200 ton models.

F. Hydraulic Shop Presses

- Capacity range of 10 to 200 tons. Choice of power options; manual, electric/hydraulic or air/hydraulic.
- Wide range of available accessories add job versatility.
- The Roll-Bed® press design allows for easy loading and unloading of work.

G. Mobile Hydraulic Floor Cranes

- 2,200 and 4,400 lb. (1,000kg and 2,000kg) capacity.
- Adjustable leg spreads to clear obstacles, telescoping boom for extra reach. Boom collapses and legs fold for easy storage.

H. Load Positioning Slings

- 2,000, 4,000 and 6,000 lb. (909kg, 1,818kg and 2,727kg) capacity; used with crane or hoist. Enables adjustment of the load for desired tilt.

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VALVES & ACCESSORIES

We Have the Extras for Your Hydraulic Needs

A. Hydraulic Pressure Gauges
- A wide variety of gauges with face sizes from 2-1/2" to 6" (63.5mm to 150mm).

B. Hydraulic Hoses and Couplings
- Hose types include polyurethane, rubber and non-conductive. Lengths from 2 ft. to 100 ft (0.6m to 30.5m).
- Couplers are designed for 10,000 psi (700 bar).
- No-spill, with locking collar and flush face.

C. Hydraulic Fluid
- Standard, Flame-Out, low temperature and environmentally friendly fluids.

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D. Directional Control Valves
- Pump- or remote-mounted versions with manual, air or solenoid actuation. For operating single-acting or double-acting cylinders at operating pressures to 10,000 psi (700 bar).

E. In-Line Hydraulic Valves
- Load lowering valves, sequence valves, pressure reducing valves and metering valves are available.

F. Hydraulic Fittings and Manifolds
- For plumbing hydraulic systems.

HYDRAULIC/MECHANICAL TOOLS

A Wide Variety for Many Uses

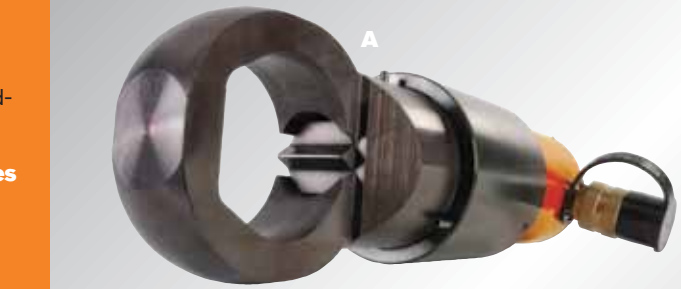
A. 15 and 25 Ton Hydraulic Nut Splitters
- Split and remove fused or rusted-on nuts in seconds.

B. Hydraulic Torque Wrenches
- Light weight, low clearance, superior torsional strength
- Low clearance and square drive options.
- Maximum torque 30,700 ft. lbs (41,625 N-m).

C. Hydraulic Pipe Flange Spreaders
- Eliminate hammer and chisel methods that waste time. Used in pairs to provide an even spreading force.

D. Hydraulic C Clamps
- For clamping, pressing and bending tasks. Ideal for welding and metal fabrication.

E. Hydraulic Spreaders
- Use to lift machines or as a clamp; spread concrete forms or rebar, or perform straightening jobs.



F. 20 and 30 Ton Post Tension/Stressing Jacks

- The most durable monostrand stressing jacks in the industry.
- Available in single- and double-acting models.

G. 20 and 35 Ton Hydraulic Punches

- Punch a smooth, precise hole in a variety of metals up to 1/2" (12.7mm) thick.

H. Count on Power Team to Provide the Mechanical Tools Needed...

- Bearing, bushing and seal driver tool sets.
- Spanner wrenches, giant adjustable wrenches and chain wrenches.
- Retaining ring plier sets, pry bars, magnetic pick-up tools and thread chasers.

PULLERS

Discover the Power Team Pulling System

Mechanical and Hydraulic Grip-O-Matic® Pullers

- The harder they pull, the tighter they grip to easily remove gears, bearings and other press-fitted parts.
- Mechanical pullers range from 1 to 25 ton capacity. Hydraulic pullers offer 5 to 100 tons in capacity.
- Super Grip-O-Matic® pullers feature fast jaw spread adjustment. Hydra Grip-O-Matic® models combine puller, cylinder and pump in one integral unit.

Mechanical and Hydraulic Push-Pullers®

- Apply either pulling or pushing force to remove and install parts.
- Capacity range of 10 to 50 tons.

High Tonnage Pullers

- 55 and 100 ton pullers handle difficult pulling tasks encountered in the maintenance of heavy equipment.

Special Pullers, Accessories and Puller Sets

- Slide hammer pullers, blind hole pullers, pulling attachments and pulling adapters. Puller sets available in various capacities.

POWER TEAM®

SEMINARS & TRAINING

Power Team In-Plant Safety Seminars

Power Team University

Proper training is needed to operate and maintain hydraulic equipment with safety and efficiency. Power Team offers a range of Safety Training and Maintenance & Repair Training classes to help you safely operate and maintain your tools.

Seminars can be conducted at a customer facility, job site or Power Team headquarters. Contact your district sales manager for more details or call **800-477-8326**.

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