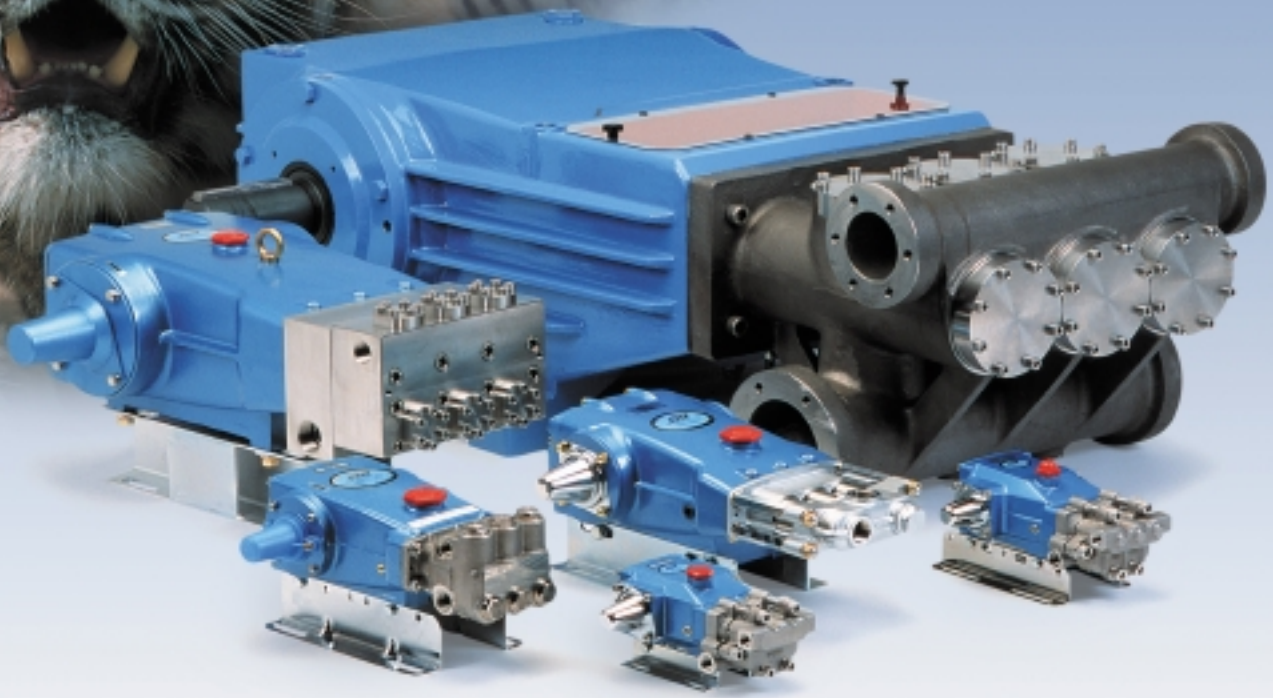




*The Pumps with Nine Lives*



# Quality defines CAT PUMPS

## *"The Pumps with Nine Lives"*



*Thank you for your interest in CAT PUMPS. CAT PUMPS is a Minneapolis, Minnesota based company that has been family owned and operated for more than 30 years. My father, William L. Bruggeman, started the company in 1968, when he developed a new pump design that was far more dependable, efficient and much longer lasting than any available high pressure pump.*

*His idea was to manufacture the longest lasting, most dependable high pressure pumps possible and back them with outstanding service and availability from stock. This was the foundation of our business and has been our philosophy ever since, providing our customers with the best value in the industry.*

*Today, we provide more than 1000 pump models, all built to the highest quality standards possible and supported by the most experienced sales and service staff in the industry. I hope you will give CAT PUMPS an opportunity to exceed your expectations.*

*Sincerely,  
Steve Bruggeman  
President*

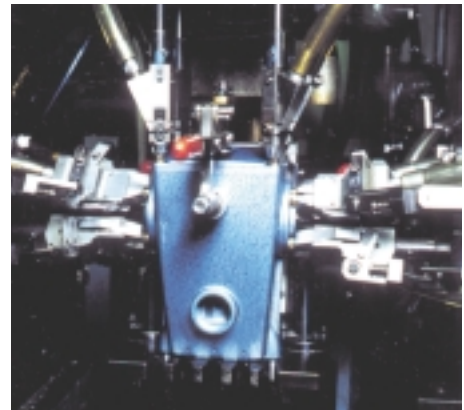
Our goal is building partnerships that mutually create cost-effective solutions for your industrial pumping requirements.

CAT PUMPS experience is at your disposal. Our design engineers, sales representatives, application specialists, professional distributors and customer service representatives turn application problems into application opportunities. We are all committed to exceptional products and exceptional service. Our commitment to quality is the heart of CAT PUMPS' reputation and the heart of every well designed system.

Our name, CAT PUMPS, was chosen because our pumps exhibit the same qualities as the majestic, wild cats of the world: strength, power and endurance. Hence, our corporate slogan, "The Pumps with Nine Lives".



Concentric, solid ceramic plungers with unique blend seals provide exceptional life.



Automated assembly machines reduce production time and assure consistent pump assembly.



CAT PUMPS are manufactured using advanced methods to assure a well made, quality pump. Computer controlled machining centers assure quality and accuracy during pump manufacturing.



Advanced machining techniques and extensive use of high quality materials contribute to the long-life performance and reputation of CAT PUMPS.



# CAT PUMPS are highly efficient, positive displacement, reciprocating pumps.

CAT PUMPS are triplex, positive displacement, reciprocating, high pressure pumps. They are the most cost-effective pump design for achieving high-efficiency and low pulsation.

Each CAT PUMP has three synchronized piston or plunger rods (triplex design) delivering a smooth, consistent flow. CAT PUMPS are 30-50% more efficient than many other types of pumps.

In February 2000, we acquired Ram Pumps Ltd. This 25-year old company builds industrial process pumps and pumping systems to API standards for the oil and gas industry. This acquisition created the R-Series pumps and expanded our single pump performance from 75 to 450 GPM and from 7,000 to 10,000 PSI. For special application requirements, we also build custom-designed, large-capacity quintuplex pumps.

## Quality assures a high return on your investment.

CAT PUMPS are the best value for your dollar. They are the most efficient, dependable, durable and versatile high pressure pumps in the market. To earn these high marks, we have placed quality at the heart of our company and products.

Following are some of the quality factors that assure your investment in CAT PUMPS will earn you the highest return:

- CAT PUMPS manufacturing facility is ISO 9001 certified. Our quality materials and our closely held tolerances assure a consistent quality product every time and drive-ends that typically last 20 years or more.
- Our concentric, centerless ground, high-density, solid ceramic plungers with a polished, graphite-impregnated surface greatly enhances seal life. No other company goes this far to maximize seal life.
- We offer an exclusive and unique seal design and material. Extensive research and design development has lead to our exclusive formula, spring reinforced, special lipped design. This seal design offers 3-4 times longer life than other seals.

- Our inventory is available when you need it. We offer a 99% order-from-stock fill rate, along with a 99% accuracy rate, and 95% of our orders are shipped within 24 hours.

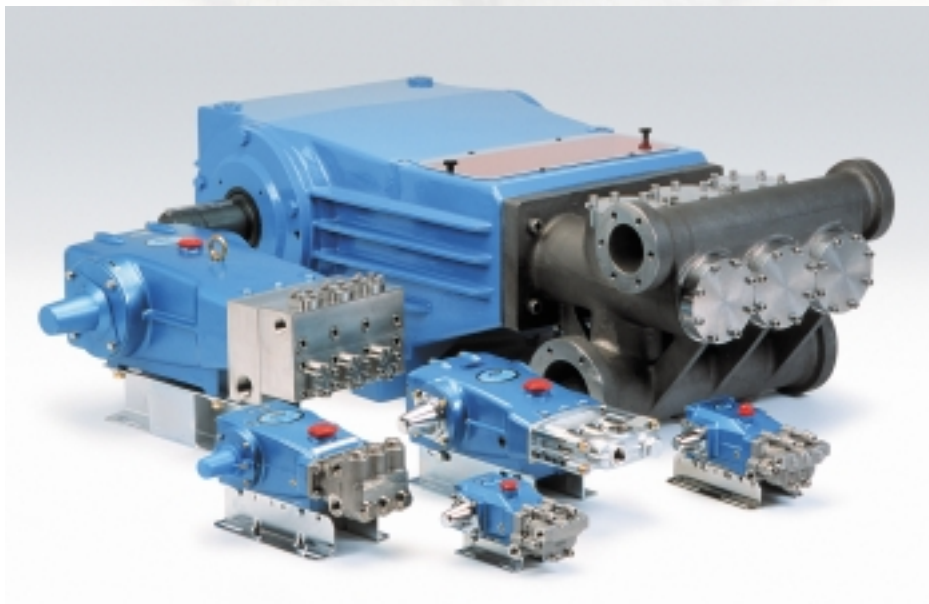
- We offer worldwide availability. No other pump company has as extensive a distribution network providing both stock and technical support wherever it's needed around the world.

- Our reputation for service and technical support is unparalleled. We have a seasoned outside and inside sales staff. Many of our engineering and sales team have over 25 years of experience with CAT PUMPS.

- Our dependability along with our generous warranty, both made possible by the high quality of our products, are key factors in the confidence and value you receive when you own a CAT PUMP.



Our K-Series submersible and end-suction centrifugal pumps compliment our triplex, high pressure reciprocating pump line. These quality stainless steel pumps offer a stronger, lighter and more durable pump than conventional cast iron pumps. They provide dependable, cost-effective solutions for booster, transfer and low pressure spraying applications.



Exceptionally long lasting and extremely energy-efficient positive displacement reciprocating plunger pumps from 1 to 450 GPM, 100 to 10,000 PSI.

# CAT PUMPS and accessories are designed to meet a variety of application needs.

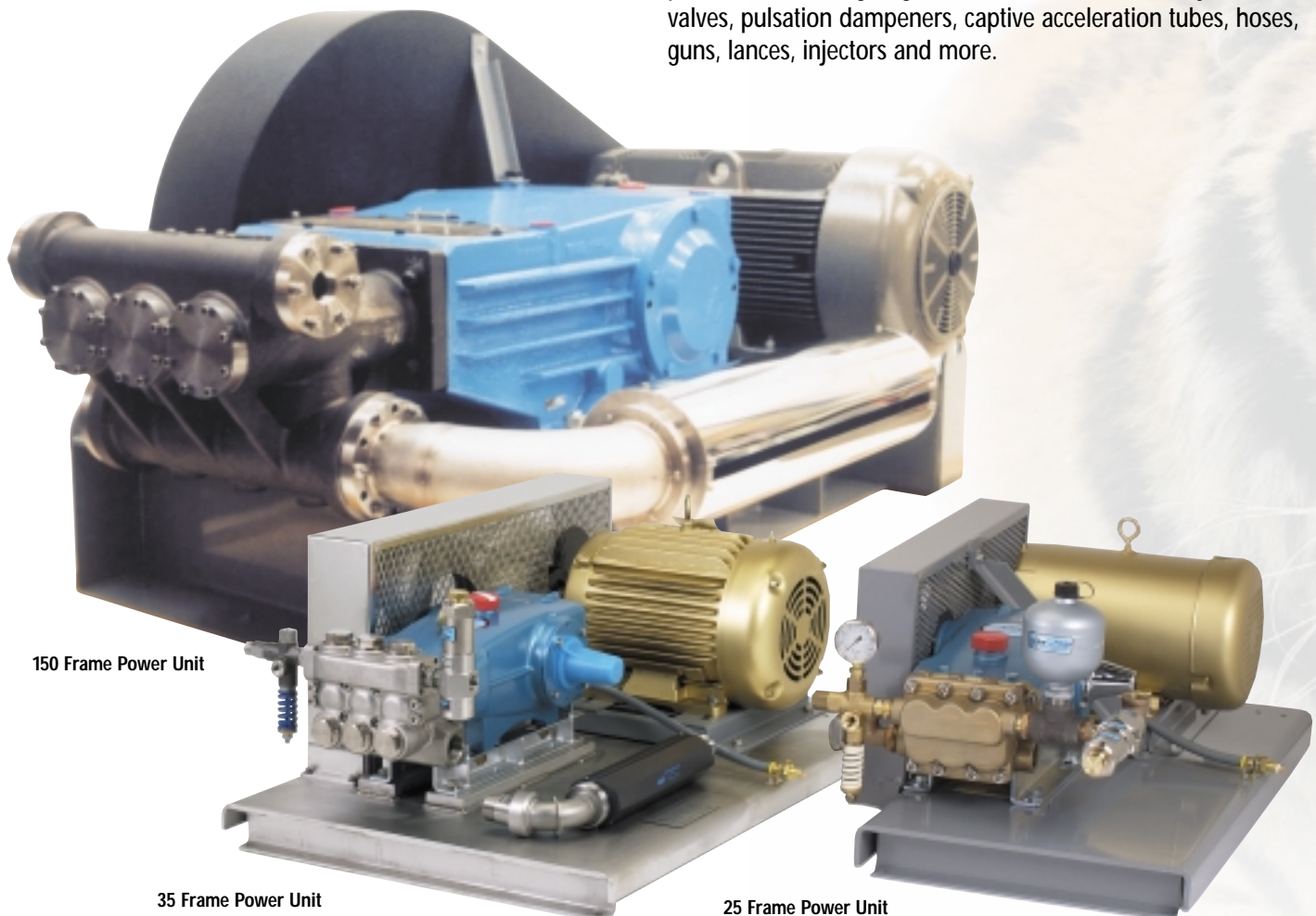
CAT PUMPS many standard pump models can be modified with head materials and elastomers (seals and o-rings) to meet an infinite variety of application needs. Most models are available from stock or only a short conversion time with brass, nickel aluminum bronze, 316 stainless steel or duplex stainless steel liquid-end. We will even custom build a pump for special needs.

CAT PUMPS can be driven by electric, gas or diesel power with belt drive, gearbox, coupling and clutch options.

Many of our clients prefer the convenience of a custom engineered Power Unit complete with base, belt guard, pump, drive and system protection accessories. Sample units are highlighted in our Power Unit Brochure or you may visit our web site for more details or a price quote.



CAT PUMPS' complete line of accessories reduces your sourcing time and assures they are correctly sized for your pump's performance. Our accessory line includes a variety of pump protectors including: regulators, unloaders, secondary relief valves, pulsation dampeners, captive acceleration tubes, hoses, guns, lances, injectors and more.



150 Frame Power Unit

35 Frame Power Unit

25 Frame Power Unit



# CAT PUMPS have a proven track record in demanding, continuous-duty applications.

Our first pumps were designed for the car wash industry and introduced our patented, sleeved-piston-rod concept. This sleeved-piston-rod permitted servicing from the wet-end, drastically reducing service time and overall maintenance costs. Our special blend materials and spring reinforced, lipped seal design offered consistent performance and far longer seal life than other pumps.

CAT PUMPS' significantly longer life spurred the car wash industry onto the thousands of self-service and touch free car washes that exist today. An independent study shows that more

than 86% of car washes use CAT PUMPS for this demanding application.

CAT PUMPS soon found acceptance in many industrial markets such as oil and gas, reverse osmosis, central cleaning and homogenizing because they offer dependable, 24-hour continuous-duty service.

Our Chronological History Brochure details the complete development of CAT PUMPS from its first two models in 1968 to the many hundreds of options available from stock today.



Machine Tool Coolant Flushing Systems



High Pressure Train Wash Systems



Touch Free Car Wash Systems



Waste-Water Re-Injection Systems



150 Frame Salt Water Reverse Osmosis Systems

# CAT PUMPS are used wherever liquids are moved under pressure.

Just about every industry uses CAT PUMPS. Our time-proven, outstanding performance, durability and reliability have made them the "pump of choice".

They are used in thousands of applications pumping water, chemicals, oils, sanitizers, pesticides, fertilizers, wastewater, salt water, DI water and even high vapor liquids.

Many of our clients have shared their success with CAT PUMPS in their applications. These are available in our Power Unit Brochure and Application Catalog.

## Applications:

- Mist Cooling
- Surface Preparation
- Hydrostatic Testing
- Waste Water Reinjection
- Sea Water Reverse Osmosis
- Oil & Gas Processing
- Pressure Cleaning
- Car/Truck Washing
- Trenching
- Food Processing
- Machine Tool Coolant Flushing
- Chemical Processing
- Agriculture Injection/Spraying
- Commercial/Industrial Cleaning
- Temperature/Humidity Control
- Lipid Extraction



Gas Turbine Mist Cooling System



Equestrian Mist Cooling System



High Pressure Wet-Blasting System



Multi-Nozzle Agricultural Injection System



Multi-Station Central Cleaning System



# Information about CAT PUMPS is just a web site away.

Our web site, [www.catpumps.com](http://www.catpumps.com), offers a number of unique sections of helpful information to assist you in the selection and maintenance of your CAT PUMP.

## Applications

CAT PUMPS are used in thousands of applications. Brief summaries of the experiences others have had with their CAT PUMPS are available for your review or printing.

## Data Sheets

For those who are more familiar with CAT PUMPS and know the model number, these pdf file Data Sheets are available for downloading. Special Pump and Accessory Catalogs and Industry Brochures are also available in this section.

## Product Selector

After reviewing this brochure or our web site, the product selector will provide you with pump options based upon 4 basic criteria: flow, pressure, type of drive and material of liquid-end. Pump selections matching your data will be provided along with the pdf file of each Data Sheet and also a list of matching accessories. You can add these to a shopping list and email directly to CAT PUMPS for a quotation.

## Power Units

A large number of pumps are sold as complete Power Units. Most Power Units are assembled, tested and ready for shipment in 3-4 weeks. This section allows you to complete a form with all the specifications for your desired unit and email directly to CAT PUMPS for a quotation.

## Distributor Search

We have an extensive worldwide distributor network to support our product line and offer service wherever you are. Our Distributor Search offers a quick search for the distributor nearest you in the U.S. and Canada by entering your zip code (postal code) and market.

## FAQ

We receive many questions and have compiled them into a key word search for your convenience. We appreciate your feedback. If you have a question, please complete the form in this section or call us direct and we will provide an answer and add it to our list, so others can benefit from this information.

## About Us

This section provides the who, what, when, how and why of CAT PUMPS. It contains a chronological history and details the type and operation of CAT PUMPS.

## Contact Us

CAT PUMPS are available around the world. This section provides all the contact information for our headquarters and our international offices. You can also find out where we are exhibiting CAT PUMPS throughout the year and when our training seminars are being held.

## Service

Our service section offers 24-hour assistance with answers to typical system questions. By selecting a key word that may relate to your situation, you will find solutions to your questions.

## What's New

This covers the latest pump news and product advertisements, so you can stay up-to-date with our latest selections.

## Links

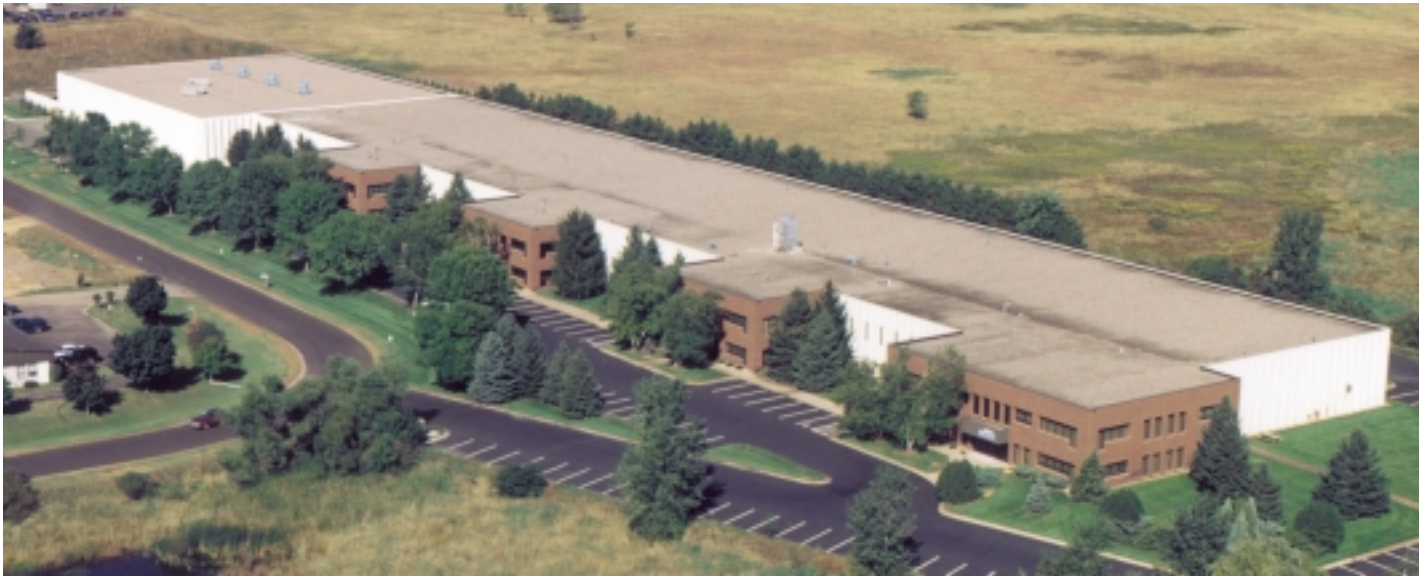
If you are looking for industry publications, trade show contacts or industry support groups, they can be found in this section. We will be expanding this section with other OEM links.

If you do not have access to the internet, we offer printed Data Sheets, Service Manuals, Pump and Accessory Catalogs, Application Catalogs, Power Unit Brochures and various Industry Brochures to assist you with your CAT PUMP selection and operation. Please give us a call.



## Commitment.

We believe in building a partnership with our customers and users. Our design and product line responds to the changing applications and market needs. We remain committed to the highest quality products, long life and minimal maintenance. We welcome your questions and inquiries and appreciate doing business with you.



**CAT PUMPS World Headquarters**, Minneapolis, Minnesota, USA  
 Opened in 1968, expanded to a 100,000 sq. ft. facility in 1980 and expanded again to 130,000 sq. ft. in 1998. Full stock inventory, sales, service and technical assistance to U.S., Canada, Alaska and Hawaii.

**CAT PUMPS International Group, U.S.**, Minneapolis, Minnesota, USA  
 Opened in Zug, Switzerland in 1974, then moved to the World Headquarters in 1996. Full stock inventory, sales and technical assistance to Africa, Asia, Australia and The Pacific, Central and South America, Middle-East, Near-Asia and Mexico.



**N.V. CAT PUMPS, INTERNATIONAL S.A.**, Kontich, Belgium



**CAT PUMPS (U.K.) LTD.**, Fleet, Hampshire, England



**CAT PUMPS DEUTSCHLAND GmbH**, Idstein, Germany



**RAM PUMPS Division**, Worthing, West Sussex, England

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

**World Headquarters**

**CAT PUMPS**  
 1681 - 94th Lane N.E. Minneapolis, MN 55449-4324  
 Phone (763) 780-5440 — FAX (763) 780-2958  
 e-mail: sales@catpumps.com  
 www.catpumps.com

**International Inquiries**

**FAX (763) 785-4329**  
 e-mail: intlsales@catpumps.com



*"The Pumps with Nine Lives"*

**CAT PUMPS (U.K.) LTD.**

1 Fleet Business Park, Sandy Lane, Church Crookham, Fleet  
 Hampshire GU52 8BF, England  
 Phone Fleet 44 1252-622031 — Fax 44 1252-626655  
 e-mail: sales@catpumps.co.uk

**N.V. CAT PUMPS INTERNATIONAL S.A.**

Heiveldkens 6A, 2550 Kontich, Belgium  
 Phone 32-3-450.71.50 — Fax 32-3-450.71.51  
 e-mail: cpi@catpumps.be

**CAT PUMPS DEUTSCHLAND GmbH**

Buchwiese 2, D-65510 Idstein, Germany  
 Phone 49 6126-9303 0 — Fax 49 6126-9303 33  
 e-mail: catpumps@t-online.de www.catpumps.de