



Flow

INNOVATION | EXPERTISE | COMMITMENT



INNOVATION | EXPERTISE | COMMITMENT **FLOW FIRSTS**

AT FLOW, WE PRIDE OURSELVES
ON BEING FIRST IN EVERYTHING WE DO.

- **FIRST** founded in 1974
- **FIRST** to invent the abrasive waterjet in 1979 with a team led by Dr. Mohamed Hashish (patent number 4,648,215 granted in 1985)
- **FIRST** to introduce abrasive waterjet cutting of composites and exotic metals to the aerospace industry in 1985
- **FIRST** to introduce the most efficient abrasive waterjet system — the PASER® — designed to provide optimal abrasive use and the fastest possible cut speeds at the lowest cost per inch
- **FIRST** to develop UltraPierce Vacuum Assist to reliably pierce brittle and laminated materials without damage
- **FIRST** to introduce the Extended Seal Life (ESL) intensifier with ceramic plungers to double seal life and increase waterjet reliability
- **FIRST** and only total systems solutions provider — we design, build, and support all the critical components of our waterjet systems
- **FIRST** to provide a full range of machines from small, fully enclosed waterjets to multi-axis systems large enough to machine aircraft wings
- **FIRST** to introduce Windows®-based intelligent waterjet control software — FlowMaster® — to the industry
- **FIRST** to introduce intensifier pumps operating at 60,000 psi (4,100 bar)
- **FIRST** to develop the state-of-the-art WMC® — a completely modular and expandable abrasive waterjet system for highly productive cutting
- **FIRST** to introduce ultrahigh-pressure direct drive pumps — achieving 50,000 psi (3,400 bar) by 1997 and 55,000 psi (3,800 bar) in 2000
- **FIRST** to develop advanced motion control waterjets — Dynamic Waterjet® with Active Tolerance Control to eliminate taper, increase cut accuracy and speed
- **FIRST** to introduce the 87,000 psi (6,000 bar) intensifier pump — making our waterjets the industry's most competitive systems



THE POWER OF ULTRAHIGH-PRESSURE

Acclaimed for its power, speed, and versatility, ultrahigh-pressure (UHP) waterjet technology has experienced a steady surge in popularity across many industries. UHP waterjet systems cut quickly and accurately through virtually any material from food and paper products to stone, composites, steel, and exotic metals.

AS WITH MOST TECHNOLOGIES, A WATERJET SYSTEM IS ONLY AS GOOD AS ITS PROVIDER.

To achieve the best results for your business, you need the highest quality system from a reliable manufacturer — one you can trust to provide dependable support and service. That's why customers worldwide trust their business to Flow.

Flow is recognized as the world leader in the development and manufacture of waterjet technology. In fact, we've delivered over 9,000 waterjet systems to customers in 45 countries around the world — more than all other suppliers combined. One reason Flow is recognized as the leader is because we have introduced every major waterjet innovation since our founding in 1974. More importantly, it's because customers know they can count on us. They know we deliver the most technologically advanced systems available and back up every system we sell with the most extensive customer support network in the industry.





AT FLOW, WE'RE COMMITTED TO INNOVATING RELIABLE SYSTEMS THAT IMPROVE YOUR BOTTOM LINE.

INNOVATION TO IMPROVE PRODUCTIVITY

In addition to being the largest manufacturer of UHP waterjet systems in the world, Flow has engineered the most innovative breakthroughs in waterjet technology, beginning with the development of the first abrasive waterjet system in 1979. Over the years, we have continuously advanced waterjet technology, broadening its application to new industries, and lengthening our list of successful and satisfied customers.

SOME OF OUR MOST GROUND BREAKING INNOVATIONS INCLUDE:

ADVANCED MOTION CONTROL WATERJETS. Our patented Dynamic Waterjet® technology automatically calculates and adjusts the tilt of the cutting head to eliminate taper. Dynamic Waterjet with Active Tolerance Control produces more accurate parts at significantly higher cutting speeds than parts cut with a conventional waterjet.

STATE-OF-THE-ART PUMP TECHNOLOGY. We've steadily increased the pressure of intensifier pumps up to 87,000 psi (6,000 bar) and pioneered the first direct drive pumps suitable for industrial cleaning. In fact, we manufacture the most diverse range of UHP pumps in the industry, so we can offer you the pump solution best suited for your needs.

COST-EFFECTIVE ABRASIVE WATERJET SYSTEMS. To reduce our customers' operating costs, we introduced the PASER abrasive waterjet system. The PASER delivers the precise amount of abrasive required to cut at maximum speed. Not an ounce of abrasive is wasted on inefficient cutting.

The constant innovation of our product line is not the result of good luck or coincidence. It's an expression of our commitment to the advancement of waterjet technology and the success of our customers. Waterjet technology is the core and essence of our business. Each year, we invest more than all other waterjet companies combined in research and engineering to improve both the productivity and reliability of our systems. With our customers in mind, we strive to make every innovation backwards compatible so your Flow waterjet stays as competitive as the day you bought it.

"We did a lot of homework and talked to all the major waterjet manufacturers. By purchasing our waterjets from Flow, we ended up with what we felt was the most versatile of all waterjet machines out there."

— John Belzer,
President, TCI

EXPERTISE YOU CAN COUNT ON

AT FLOW, WE BELIEVE EXPERTISE DEVELOPS FROM FOCUS. That's why, unlike many of our competitors, we focus solely on the delivery of high quality waterjet systems and applications expertise. We manufacture every critical part, build every pump, and engineer all the software that controls our systems. We know and support what we sell, because we have designed and built each system piece by piece.

OUR EXPERTISE AND RELENTLESS FOCUS ON QUALITY SHOWS IN EVERYTHING WE DO:

OUR RELIABLE SYSTEMS

Our waterjet pumps set the industry standard for performance and reliability. Flow pumps provide continuous operation at the pressure they are rated, with no backing off or hedging. In fact, some of our pumps have been in continuous operation for over 20 years. That's because they're built with precision parts, assembled to the most precise specifications, rigorously tested for quality and performance, and supported by the largest factory trained service network in the industry.

OUR SAFETY RECORD

Along with functionality and reliability, Flow designs all its components with your safety in mind. Using predictive modeling and prototype testing, our engineers build systems to meet the industry's strictest safety standards. In fact, Flow is the only ASME-certified waterjet vendor in the marketplace, and our systems meet or exceed all applicable USDA and TÜV standards. Not only does Flow abide by ASME codes, Flow engineers and scientists actually help create them. We understand that poorly manufactured parts and components put your employees and your business at risk. That's why we put safety first in everything we do.

OUR CUSTOMER FOCUS

At Flow, our customers' success is paramount. We're not just interested in supplying you with a waterjet solution — we are committed to providing innovation, expertise, and the support necessary to grow your business. We take the time to understand your specific requirements and recommend a waterjet cutting system that best meets your needs. With the most extensive product offerings in the industry, we're confident we can deliver the right solution to ensure your success. Our customers are the root of our focus — and we pride ourselves on taking care of our greatest asset — you.



"I've cut all kinds of things on the Flow Dynamic Waterjet. For example, I've cut large 1.9 by 2.7 meter aluminum panels for the aerospace industry. Conventional waterjets would have required a lot of secondary operations to eliminate taper and to clean up geometry. Now, they're cut to spec right off the machine."

— Jack Budd,
Owner, Precision Waterjet



COMMITTED TO YOUR SUCCESS

Flow has over three decades of experience assisting customers in making the right choice for their waterjet cutting solutions. We don't believe service stops with a sale. Our expert staff is available to help you with everything from project management to technical support.

OUR CUSTOMER SUPPORT NETWORK INCLUDES:

COMPLIMENTARY NEEDS ANALYSIS. At Flow, we don't rush a sale. We take the time to understand your application so we can identify the best waterjet system to meet your needs. With the most extensive product offerings in the business, we're confident we can deliver exactly the right products and services to achieve your success.

DEDICATED PROJECT MANAGER. You will be assigned a dedicated Project Manager who will walk you through facility set-up, system delivery, installation, and training. If your needs change after you have selected a waterjet system, they will modify your order. If you have any questions, your Project Manager is just a phone call away.

HANDS-ON TRAINING. Our courses train you on part programming, system maintenance, and application techniques — everything you need to know to obtain the very highest return from your investment.

LARGEST, BEST-TRAINED SUPPORT TEAM IN THE INDUSTRY. We are dedicated to your success and are here for you 24 hours a day, 7 days a week. Our Field Service Engineers are factory trained and specialize exclusively in Flow waterjets. Flow's service team is always available to provide you with expert help over the phone or at your place of business.

QUALITY FLOW SPARE PARTS. Flow maintains the largest selection of spare parts built to our exacting quality standards to ensure optimal performance of your system. You can order parts at your convenience on FlowEuropeParts.com or by calling our Customer Service Center. Our goal is to ship all spare parts the same day you place your order. We also monitor your part usage to help prevent downtime and ensure maximum performance and profitability.

When you purchase a waterjet system from Flow, you get more than manufacturing excellence. You get the largest and best-trained support network in the industry available at your convenience.

OUR NUMBER ONE GOAL IS TO ENSURE YOUR COMPLETE SUCCESS WITH A FLOW WATERJET SYSTEM.



"Our waterjet machine ran night and day, 120 hours a week for four weeks to complete the project... The waterjets have increased our productivity and improved throughput on our shop floor. We constantly find ourselves asking 'what did we ever do before the waterjets?'"

— Orestes Mihaly,
General Manager,
PRG Scenic Technologies



INNOVATION | EXPERTISE | COMMITMENT

■ GET IT ALL WITH FLOW

For over three decades, Flow has set the standard for excellence in waterjet technology. We are the only waterjet company in the world that offers total solutions and support from a single source, both before and after your waterjet system is installed. We learn your business requirements. We help you select and implement the right solution. We train your staff and are there for you for the entire lifecycle of our products.

■ WHEN YOU PARTNER WITH FLOW, YOU GET MORE THAN A PRODUCT:

- Our **INNOVATION** ensures that you will always have the latest and highest quality technology.
- Our **EXPERTISE** ensures that you will always have the right technology for your individual business needs.
- Our **COMMITMENT** to customer service ensures that you will always receive the support you need to stay productive.

For your complimentary needs analysis or a product demonstration, please call one of our waterjet experts.

- **WE LOOK FORWARD TO PARTNERING WITH YOU IN YOUR SUCCESS.**



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European Headquarters
Flow Europe GmbH
Gewerbestraße 95
D-75015 Bretten
Tel.: +49-(0)72 52-53 80
Fax: +49-(0)72 52-53 85 30
info@flowgmbh.com

Flow France Sarl
38, Place des Pavillons
F-69007 Lyon
Tel.: +33-(0)4-7280 8203
Fax: +33-(0)4-7280 8204
flowfrance@flowfrance.com

Flow Ibérica, S.L.
Pol. "Európolis" - c/Dublin · Nave 5B
E-28232 Las Rozas (Madrid)
Tel.: +34-91-640 7393
Fax: +34-91-640 7395
flow.dmv@flowiberica.com

Flow Italia S.r.l.
Strada per Turbigo 64
I-20010 Arluno (MI)
Tel.: +39-02-90 37 93 83
Fax: +39-02-90 37 93 85
info@flowitalia.com

Flow UK Limited
19 Wheatfield Way
UK-Hinckley LE10 1YG
Tel.: +44-(0)1455-895300
Fax: +44-(0)1455-895305
info@flowuk.com

Flow Eastern Europe s.r.o.
Holandská 4 · Spielberk Office Centre
CZ-639 00 Brno
Tel.: +420-511 120 400
Fax: +420-511 120 410
info@flowgmbh.com

www.floweurope.com