

## WATERJET SLITTING SYSTEMS



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INNOVATION | EXPERTISE | COMMITMENT **GLOBAL PRESENCE**

Flow's global presence means you get the attention you deserve, regardless of your location. We have facilities spanning the continents, with specialized training and technical services. With coverage like that, you can rest assured that your waterjet needs will be addressed, whenever you need it, where ever you are.

**FLOW — YOUR GLOBAL WATERJET SOLUTION.**



## ULTRAHIGH-PRESSURE WATERJET SLITTING SYSTEMS

Acclaimed for its power, speed, and versatility, ultrahigh-pressure (UHP) waterjet technology is the fastest growing major machine tool process in the world. The reason? Manufacturers realize greater efficiency and productivity by implementing UHP waterjets into their operations.

### **CUSTOMERS WORLDWIDE TRUST THEIR BUSINESS TO FLOW.**

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.

Our commitment to research and development has produced a versatile line of slitter systems to meet your needs. Flow's waterjet slitting systems are certain to improve your product quality and reduce operating costs.






**DUST FREE CUTTING**  
**FASTER CUTTING SPEEDS**  
**REDUCED DOWNTIME**  
**INCREASED SAFETY**

### EXPERTISE YOU CAN COUNT ON

Flow manufactures the most complete range of ultrahigh-pressure waterjet pumps in the industry. No matter which pump you choose, you can be confident that it is reliable, efficient and easy to maintain.

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

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 every step of the way.

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, 24 hours a day, 7 days a week.



### WATERJET SLITTING SYSTEMS ARE THE FASTEST, MOST EFFICIENT WAY TO CUT PAPER PRODUCTS.

Our waterjet slitting systems demonstrate Flow's commitment to innovate reliable systems that improve your bottom line. Operations that employ waterjet slitting systems enjoy profitability and cost savings.

**CUT DUST FREE.** Waterjets produce no airborne dust. Dust free cutting will improve your working conditions, safety, and produce a higher quality product.

**ELIMINATE REWINDING.** In many tissue and towel applications, waterjet slitting eliminates rewinding so you save on capital equipment expense by slitting on-line. A waterjet slitter can be installed directly on the machine, and the edge meets all requirements for converting operations.

**HIGHER CUTTING SPEEDS.** The low cutting force of the waterjet allows it to cut at higher speeds than a mechanical knife — as high as 10,500 feet (3,200 meters) per minute depending on winder speeds.

**INCREASE OPERATING TIME.** Flow's waterjet slitting systems are designed with "redundant" nozzles that double the slitting time between "knife" changes. With diamond orifices and proper water treatment, operating time for a carriage can be as long as 4,000 hours. Positioning — whether manual or automatic — is fast and easy.

**STRONG CUT EDGES.** Edge strength tests comparing waterjets with knives on lightweight paper and tissue grades show that the waterjet edge is as strong as a sharp knife edge. The waterjet edge, however, never dulls so your maintenance is reduced and your operating cycles are longer. Waterjets cut coated paper stock without edge cracking.

**REDUCE WEB BREAKS.** Waterjets can enter, exit, and cross a moving web without breaking it. Waterjet slitting is not affected by holes or other imperfections in the web. Fewer web breaks reduce downtime.

**CLEAN CUTS.** The waterjet cuts cleanly at any paper machine speed or cutting angle and is easy to integrate with any automatic threading device.



### WATERJET SLITTER — NOT JUST FOR TISSUE PAPER

Flow is the global leader in research and development for UHP pump technology and is producing reliable waterjet cutting energy up to 87,000 psi. Manufacturers of fibre cement board, ceiling tiles, insulation, roofing, building/cladding materials, multi-layer composites (fibre glass/resin/foam), plastic sheeting, and elastomeric film products have specified Flow's UHP waterjet systems for decades.

**WHY?**

**HEALTHY WORK ENVIRONMENT — NO DUST OR DEBRIS COMPARED TO SAW BLADES.** Safety is inherently designed into the system ensuring no exposure to hazards.

**LESS WASTE KERF MATERIAL.** Waterjets cut a variety of materials with a stream measuring 0.003" to 0.014" in diameter. Very little waste material generates new efficiencies for profitability.

**NO BLADES, NO BEARINGS, AND NO MOTORS TO MAINTAIN.** Routine daily inspection with quarterly 20 minute outages for pump maintenance is the norm.

**PREVENTATIVE MAINTENANCE IS EASILY PLANNED AND EXECUTED.** Training, and support is available — or our Field Service Engineers can be scheduled to do the work for you, allowing you to focus on your own priorities. Your satisfaction is our commitment.

**WATERJET SLITTERS ARE ALSO USED IN THE FOOD PORTIONING INDUSTRY.** Processors of fruit, vegetables, confectionaries, and meats are all currently using Flow's "clean blade" waterjet separation technology to produce healthy, pathogen-free food products. Flow offers a waterjet crosscutter that can perform material separation tests up to 2,000 fpm for demonstration purposes. A portable unit is available to do on-line test cuts at your facility.

## SERVICE AND SUPPORT

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. In fact, as part of our Customer Operational Review and Evaluation (CORE) program, a Field Service Engineer will conduct an annual review of your system and offer recommendations to help streamline your operations and minimize costs.

**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 FlowParts.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.**



## 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 at **1-800-446-3569**.

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