

HYPERPRESSURE BECOMES NEW STANDARD IN WATERJET CUTTING

Harnessing Power Of 87,000 Psi Waterjets Gives FDI Competitive Edge



Fabricating/ Distributor, Inc. (FDI)

Established in 1996 by Donald E. Peacock and Debra A. Peacock, specializes in manufacturing automated equipment, components, conveyors, and tooling for manufacturing equipment. They provide a full range of welding, fabrication, and complete design and engineering services.

To better serve its customers, FDI needed a faster method for cutting parts as well as cost savings in keeping waterjet projects in house. After seeing Flow International's 87,000 psi waterjet cutting in action, FDI decided to

implement Flow's HyperPressure technology into its operations.

"We had been outsourcing waterjet cutting jobs to local waterjet shops, and have had an increased demand for waterjet cut parts over

the past few years, so it made sense to bring a waterjet in house," said Devin Avilez, sales person at FDI. "Our new Flow waterjet allows us to deliver completed jobs to customers faster as well as reduce costs associated with outsourcing jobs to other shops. We had Justin Zimmer (Flow application specialist) run the numbers on how much we would be saving when compared to outsourcing to other waterjet shops and it was clear as day we needed to bring a waterjet in house."

FDI co-founder Donny Peacock said the speed of the cut and the quality of Flow's machines were primary reasons FDI chose Flow's 87,000 psi waterjet over other waterjet manufacturers.

"We looked at other waterjet machines but the way Flow constructs their machines and the





- abrasive consumption
- reduced part taper and simpler and faster maintenance.

FDI has discovered a well-known fact in the machine tool industry: one of main benefits of waterjet cutting is the versatility. Since implementing Flow's HyperPressure technology, FDI now has that versatility.

"We can do anything with this machine," said Avilez. "I can just walk around the shop, pick up a part and 9 times out of 10 we can make that part more ef-

speed of Flow's 87,000 psi HyperPressure pumps really stood out to us," said Peacock. "The speed of the cut was one of the biggest decision factors for us. We produce a lot of parts, and the faster we get them off the table, the faster we can deliver

finished parts to our customers. Being one of the few in the east valley to now harness the benefits of HyperPressure gives us a competitive edge."

Other benefits FDI realizes with 87,000 psi cutting include:

- 50 percent faster cutting than 50,000 psi
- Up to 40% lower part cost
- Increased power density and jet efficiency
- 40% higher abrasive velocity
- Up to 50% lower

ficiently by cutting it on the waterjet. And the Dynamic Waterjet cutting head is crucial for the tight tolerance parts, leaving virtually no taper on the part. For most of our work the part that comes off the table is a finished part."

For information regarding FDI, contact Donny Peacock or Devin Aviles at 480-988-2477. For information about Flow's HyperPressure waterjet cutting systems, contact Flow at 1800-466-FLOW (3569) or visit the website at www.flowcorp.com.

Flow's IFB with 87,000 psi and Dynamic Waterjet enables faster, more cost-effective cutting with a host of benefits to manufacturers including:

- Cutting speeds that are 20-50% faster than 60,000 psi
- 20-30% lower part cost than 60,000 psi
- Lower abrasive consumption, with 30-50% less abrasive used than 60,000 psi
- Simpler, faster maintenance

