

Cobourg's First Water Jet Cutter at Lorenz

Lorenz & Son Manufacturing is pleased to announce the arrival of their brand new Flow CNC Water Jet Cutter.

We're extremely excited this new technology here in our plant. Flow Water Jet (the brand seen on American Chopper TV series) incorporates state of the art Water Jet technology. Formally we outsourced this operation but the time was right for us to purchase the equipment our selves. The Water Jet uses 65,000 psi (pounds per square inch) of water pressure that can cut through steel **8" thick!**

The Water Jet utilizes CNC software which takes standard AutoCAD drawings and converts them automatically so the machine can cut the shape. It has a pivoting head which compensates for the pressure loss of the water when cutting to keep the edges perfectly straight. Older technology tapered the edges a bit due to pressure loss, but this new machine cuts straight through. Nesting software enables the most efficient use of materials.

Lorenz can now cut just about anything, plastics, wood, marble, aluminum, stainless steel and cut it to within 3 thousands of an inch tolerance. The best feature of water jet cutting is it that it doesn't put any heat into the metal. You can pick the parts right up after cutting. It also doesn't leave any kind of burr that traditional cutting systems leave so clean up is not needed.

We will use this machine to cut parts for Lorenz Diverter Valves & Slide Gates, as well as our conveying components like probe boxes, pick up wands, cyclones and custom fabrications for pneumatic conveying systems.

This equipment opens up a lot of new opportunities for Lorenz as well as speed up our delivery time to our customers. Employees will enjoy more freedom & flexibility in the manufacturing process.

The possibilities are endless with this type of technology we really feel we will be able to make our products better and be able to dream up new and improved products which can be made with this new technology!

We plan on having an open house later on in the spring to showcase our newest addition with our customers and employees.

Our investment in the machine and our new building show our strong commitment to our employees & their families, our town and to our customers for the future!

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