



Colorado Waterjet: The Most Experienced Waterjet Job Shop in Colorado

When you go to Colorado Waterjet for your waterjet cutting needs, you get some of the best, most experienced waterjet cutting available.

Dan Nibbelink, owner and founder of the company, is a Registered Professional Engineer who spent approximately 20 years working for large companies manufacturing such medical parts as kidney dialysis machines and blood pumps for open heart surgery, and then subsequently designing computer peripherals.

Dan left corporate America to open his own business in 1997. An avid hobbyist and expert in blacksmith and metalworking, Dan researched new innovative machining processes where he felt he could meet the needs of precision manufacturing customers. Waterjet cutting was a new metal cutting process he researched extensively.

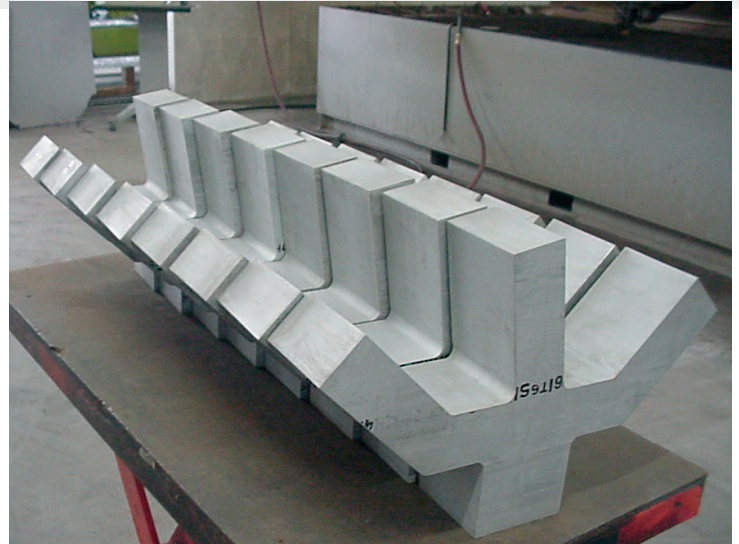
Dan purchased his first waterjet, a Flow A-4800 with a 48" x 96" table for cutting, and opened Colorado Waterjet in a 2,000 square foot facility. With training provided by Flow in their facility in Michigan, Dan was ready for customers. With the support of Flow, Dan sent out flyers announcing his new business and hosted an open house. "That was about the only advertising we've ever done at Colorado Waterjet, and business has grown year over year since then", Dan said. Colorado Waterjet was the first job shop to purchase a waterjet in all of Colorado, and Dan's engineering background afforded him the opportunity to embrace the new technology immediately.

Within the first year in business, Dan hired his first employee. Today, the company's small team consists of all very seasoned waterjet cutters, with an average of more than 8 years of experience in the industry.

In 2003, Colorado Waterjet was bursting at the seams, and so moved to the new facility they now reside in. They purchased their second Flow waterjet, with a 72" x 144" table size, and an Integrated flying bridge (IFB). "We bought this machine", Dan said, so that we could cut larger parts. Additionally the new machine has a dynamic head so that we can make parts without taper, which facilitates more accurate parts with less scrap for our customers."

Colorado Waterjet services 3 very distinct industries, including:

- **Construction/ Commercial industry** with requirements for ornamental iron. Dan is an active member of associations within this industry, including the Artist Blacksmith Association of North America (ABANA) and National Ornamental and Miscellaneous Metals Association (NOMMA), and he credits most of his customers in this industry to these associations.



4" Aluminum for Military Contractor



Efficient Use Of Material With Nesting



Waterjet Cutting 6" Steel

▪ **Artists/Sculpturers** who design art structures made of metal, and need the artwork waterjet cut. Colorado Waterjet's work for artists can be seen at the City of Longmont, where there is a 30' foot art structure with a series of sails that move in the wind, at the State Capital building in Denver where there is an elaborate railing that depicts the state bird, mammal, flower, and dinosaur, and at City of Aurora's Civic Center, where they made parts for the fountains. In fact, Colorado Waterjet does waterjet cutting for more than a dozen artists throughout the United States.

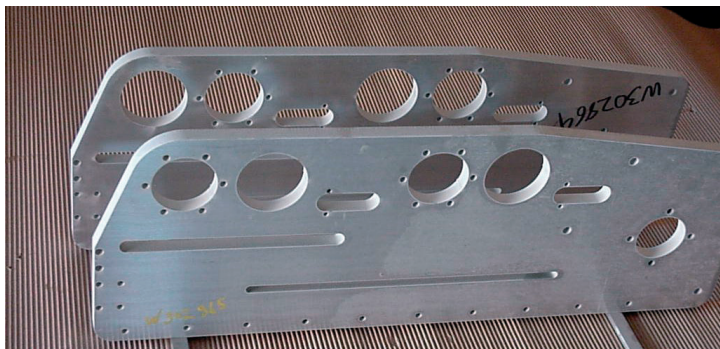
▪ **Machine shops and manufacturers** - Dan says that machine shops / manufacturing facilities come to Colorado Waterjet because they can dramatically speed up the machining process and reduce costs when a part requires near net cutting, which eliminates hogging out. Dan says, "With waterjet cutting we can nest parts to save material costs, and we can cut even thicker parts as well as more materials than laser cutting could do". Further, waterjet cutting is a cold cutting process so it doesn't harden the edge nor warp the materials, and this is very often valuable to machine shops and manufacturers. Fully 2/3 of Colorado Waterjet's customers come from the machining/manufacturing industry.

At Colorado Waterjet, you can get parts cut that are as thin as 1/2 thousands of an inch (e.g. the thickness of foil) to 6" in steel or titanium and 8" in aluminum. Dan said, "Our sweet spot for cutting is between 1/4" to 2", and we will take on any size jobs for our customers. We don't require complete full sheets of the material for their jobs".

At Colorado Waterjet, the team prides itself on its quick-turn work, with quotes turned around in less than 48 hours, and the project completed in less than a week, depending upon the scale of the project and availability of material. They are very accommodating to small (even experimental) and large jobs, and they can procure the materials needed for the job or their customers can supply the materials. The company was tasked with some experimental cutting for an engineering team developing solar cells at Colorado State University.

Colorado Waterjet is so experienced that they often take on work cutting such exotic and difficult materials as ruthenium, zirconium, tungsten, explosive bonded materials, ceramics, carbon fiber, and hydraulic couplings, to name a few.

For more information on Colorado Waterjet, and their superior waterjet cutting, call 970-532-5404 or go to their website at www.coloradowaterjet.com.



Equipment Frame Using 1/2" Aluminum



Architectural 1/2" Brass Cut For Ornamental Railing



Fire door Frames Waterjet Cut To Save Fabrication Time And Ensure Accurate Parts



Steel Gate Cut From Plate With Intricate Floral Details