



Revolutionary Contour Follower for Waterjet

Reach a new level of precision waterjet cutting with Compass™, Flow's patent-pending contour following and collision sensing solution. Compass features the most precise contour follower available in waterjet. Designed to uniquely adjust based on deviation at the tool center-point instead of an outside ring. Compass compensates for the material landscape, ensuring the most accurate parts whether cutting smooth flat stock or a warped surface.

Available as a simple upgrade to your existing Mach 4, Dynamic XD® system, Compass expands your capabilities so you can take on more work to grow your business.

Benefits

Unique patent-pending tool center-point design

Accurate multi-axes contour following

Collision sensing

Retrofit to your existing Mach 4, Dynamic XD system

Tool-less, quick release removal



Improve Accuracy

Compass maintains optimal standoff between mixing tube and material throughout the cutting process. The tool center-point design allows for more accurate contour following than traditional flat ring contour following, resulting in the most accurate cut available in waterjet.

Unlike traditional height setting methods, it is not necessary to check different points of the material for height changes; with Compass, just set up and go. The system automatically follows the material without operator input – maintaining optimal standoff height between mixing tube and material throughout the cutting process.

Gain Efficiency

The revolutionary patent-pending tool center-point design uniquely measures deviation at the tool center-point, allowing for flexible 5-axis movement. Compass overcomes the challenges of traditional 3-axis contour following solutions, with an easy operator control that puts you in production fast – no pre-mapping needed. The tool can easily follow uneven or warped material and adjusts itself automatically in real-time for stress relief, and stops the jet automatically when it senses pending collisions.

With no specialty training needed, you can add Compass to your existing Mach 4 Dynamic XD system and let it do the work for you. A quick release removal allows you to remove the tool to open up your system to higher angle cutting.

Get Better Parts

Compass maintains standoff height throughout the cutting process, improving final part accuracy. The active, multi-axes contour follower uses collision sensing to prevent damage to parts as well as the machine; resulting in the most accurate waterjet part possible for both 2D and 3D cutting. Create better parts with Compass.

CREATE BETTER PARTS WITH COMPASS.

Contact Us
253.850.3500
1.800.446.FLOW
info@flowcorp.com

Flow Worldwide Headquarters
23500 64th Avenue South
Kent, Washington 98032 USA