

NanoJet



Enclosed precision waterjet solution

The NanoJet is a highly accurate, small-format waterjet machining center. Groundbreaking in design, our NanoJet is a fully enclosed, all-in-one solution that provides precise, clean, and quiet cutting. NanoJet easily integrates into high output operations utilizing minimal floor space and delivering exceptional parts. Equally well-suited for cutting highly engineered materials where precision and complex geometrics are needed, or demanding 24/7 production environments, the NanoJet provides maximum uptime, reliability, and predictability.

Benefits

Highly precise waterjet solution

Fully enclosed system for pristine cutting environment

Rapid total part processing

Minimal floor space required (small footprint)

Engineered to order to meet your application requirements.



Specifications

Linear Positioning Accuracy:
+/- 0.0008 in/1 ft [+/- 0.02 mm/0.3 m]

Rapid Traverse Maximum:
590 in/min [15,000 mm/min]

Repeatability:
+/- 0.0004 in [+/- 0.01 mm]

Z Axis Travel:
6 in [150 mm]

Base:
2 ft [0.65 m]

Bridge:
4 ft [1.2 m]

Acceleration:
0.1G

Ultimate Accuracy & Speed

You don't have to sacrifice speed to cut a precision part. With the NanoJet you get both highly precise cutting and fast overall part production in a single solution. Customarily equipped with rotating nut, ball screw drives for quick and precise motion, the NanoJet is also available with an optional linear motion drive when extreme speed and quickness are needed. Quickly program parts on our user-friendly interface.

Clean & Reliable Cutting

The NanoJet design emulates the design of traditional machining center solutions. The full enclosure ensures a clean environment on your production floor. We offer a waste removal option for abrasive waterjet that collects the garnet abrasive used in waterjet cutting. This easy collection option means you can ensure optimal system uptime to match demanding production requirements.

Engineered to Order Solution

As a customizable solution, the NanoJet can be configured to meet your production and application needs. Our Application Engineers specialize in understanding your part and the material you need to cut. We analyze your production requirements starting with the final part in mind. Consulting directly with your team, we design the optimal solution for your individual operational needs. We partner with our customers to ensure their solution is ready to cut at installation, and is capable of growing as technology advances and part requirements adjust over time.

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