



Waterjet for Precision Machining

Performance Cutting

- ✓ Clean, Parallel Edges
- ✓ Square, Perpendicular Cuts
- ✓ Precise Holes ready for tapping, no drilling needed



Materials

Tool Steel

Aluminum

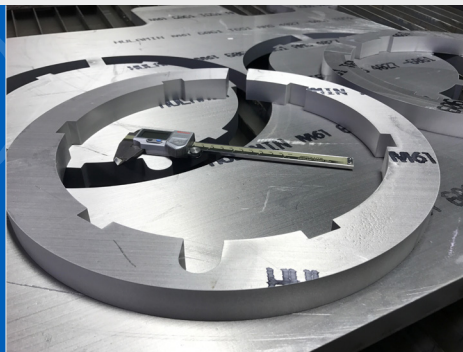
Titanium

Stainless Steel

Rubber Sheet

Teflon

Plastic



Aluminum



Clear Lexan



UHMW



1 inch Thick Steel

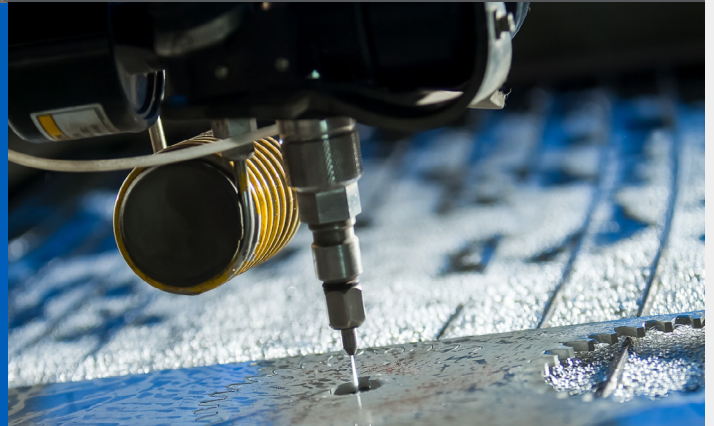


Dedicated Speed Crane for **Safety & Quick Loading**



We use the **Highest Performance, Sharpest Garnet** for best accuracy & speed

Automated Taper Adjustment Technology
for Square, Perpendicular Cuts



Laser Beam Locator & Computer Vision Alignment
for fast and accurate setups

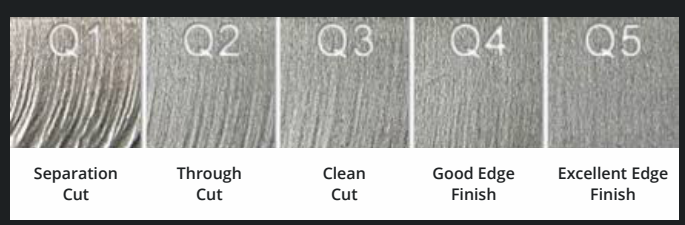


5 Options for Waterjet Edge Quality

Cut edge quality refers to **how rough the edge of a cut part appears and how square it is.**

With waterjet, edge qualities typically range from quality Q1 to Q5 with Q5 being the best, most accurate edge quality.

We also can provide mechanical taper compensation in addition to these settings to add to the perpendicularity and quality of cut.



Edge Quality 1: Separation Cut

Q1 is described as a "separation cut". It's a rough cut and the edge has pronounced lines, called striations. While Q1 does not produce a high-quality edge, it will give you very fast cutting speeds and can be used for roughing out parts



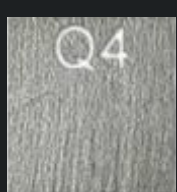
Edge Quality 2: Through Cut

Q2 is a medium rough cut. The striations are less noticeable than in a Q1 edge and cutting speed is a bit slower than Q1.



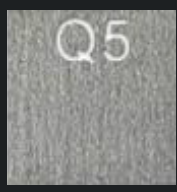
Edge Quality 3: Clean Cut

Q3 is a standard cut. The quality is good with striations on the bottom half of the cut. Q3 is a little slower than Q2 and is the most commonly used edge quality.



Edge Quality 4: Good Edge Finish

Q4 is a high-quality finish. The striations are minimal.



Edge Quality 5: Excellent Edge Finish

Q5 is a very high-quality finish. It is very precise and has no striations. Q5 produces the most accurate edge quality.