

## SCIENTIFIC RESEARCH



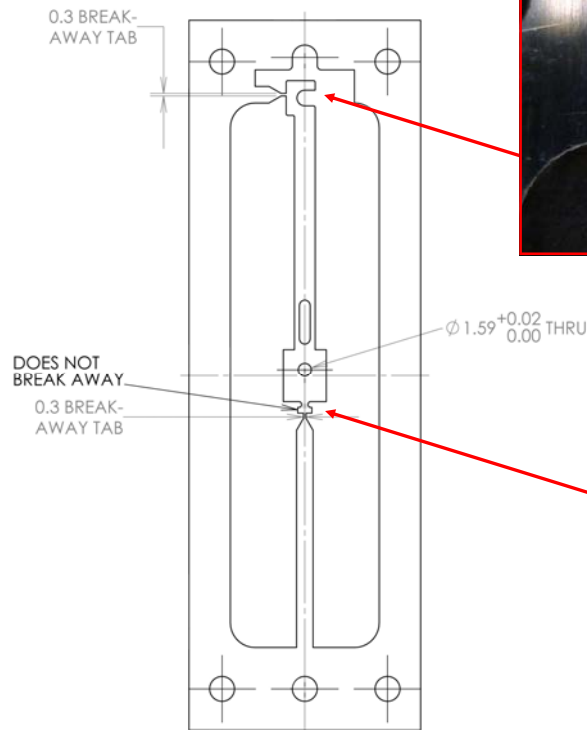
microwaterjet® is an excellent alternative cutting method to traditional machining for a wide range of materials as compared to EDM or Laser Cutting. The applications are very broad across multiple industries including:

- Research & Development
- Prototyping
- Electronics
- Automotive/Motorsports
- Medical Technology/Tools/Implants/Components
- Watch Making
- Aerospace/Defense
- Art/Jewelry

The part pictured below is one of many parts Micro Waterjet has cut for use in a proprietary positioning system. As the customer stated, the Micro Waterjet process was chosen over other technologies because it provided:

- 1) excellent squareness of kerf on thick parts which is much better than photo etching -- this is key for well-aligned laminations;
- 2) wire-EDM-like tolerances without EDM cost and slowness, particularly with lots of internal penetration cuts;
- 3) no material damage like with laser cutting.

The part is made out of Stainless Steel and is 1.125" x 3.375" x 0.039" (28.575mm x 85.275mm x 1 mm) with the thinnest portion being 0.0118" (0.3mm). Critical tolerance is + 0.02mm - 0.00mm.



The microwaterjet® process give you the flexibility to help your customer by suggesting alternative materials which may increase performance and reduce overall cost.