

# C-AXIS TECHNOLOGY SHEET

## Micro Machining

### World Class Facilities

C-Axis operates manufacturing facilities in Minnesota and Puerto Rico!

### Contract Manufacturing

Managing the complete bill of material by purchasing, manufacturing, metal finishing, and assembly.

### ISO Quality Systems

C-Axis is certified to ISO 9001 and ISO 13485 at both facilities! FDA registrar-ed in the PR facility.



### C-Axis Micro Machining

Minimally Invasive surgeries are the best approach for the patient and controlling medical costs. To achieve these incredible types of surgeries we must be able to produce very small parts for the devices used in the surgeries.

Once machined some of the parts are so small the only way to inspect them is to use a vision system as contacting the surface with traditional gages proves to be impossible. Often times our parts or the parts features are only a few thousandths of an inch in size and we have to hold tolerances in the 10 thousandths of an inch to meet the customers' requirements. Micro machining occurs in many different types of materials such as Titanium, Medical grade Stainless Steels, MP35, Peek, and many more.

- In the Medical Markets Micro-Parts have changed how surgeries are performed and how patients recover
- Patients' years ago would have had to stay in the hospital for weeks to recover from a major surgery now they can go home the next day or even same day
- The challenge has been for manufactures to produce products consistently and precisely even-though the part might look like a grain of rice to the naked eye
- C-Axis jumped at the challenge to work with such difficult small parts or parts with difficult small details and has over a decade experience working with micro parts

**Experience micro-machining all types of medical grade materials such as:**

- Titanium
- Nickel 200
- 17-4 Stainless Steel
- 300 and 400 Grade Stainless
- MP-35
- PEEK
- Ultem

**And Many More!**

