



# IMPACTING LIVES

## THROUGH LASER CUTTING

People's lives depend on medical devices and we help build them.

### HEARING AID

#### Part: Printed Circuit Board (PCB)

The laser process used keeps delicate components, soldered connections, and fragile substrates from any mechanical stress.

### PACEMAKER

#### Part: Titanium Casing

Laser cutting offers benefits such as limiting material distortion and tighter tolerances to keep the pacemaker components safely enclosed.

### METAL ROD

#### Material: Titanium

Laser cutting titanium is a good choice because of its thermal conductivity and reaction to oxygen.

### HIP SCREW

#### Material: PEEK

PEEK, a type of plastic, is quickly becoming a growing choice for medical device implants due to its mechanical properties and strength.

### FEMORAL COMPONENT OF KNEE JOINT REPLACEMENT

#### Material: Alumina Ceramic

Unlike mechanical CNC machines, UV lasers have no vibration or intrusive force that would break ceramics or create any microfractures.

