

# IMPLANTABLE MEDICAL DEVICES

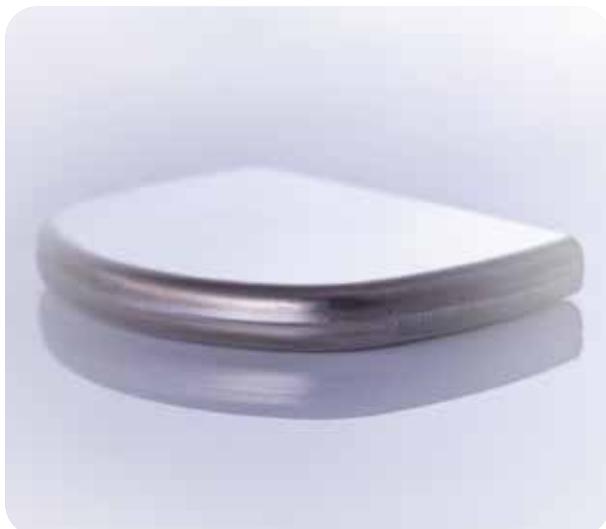


## QUICK OVERVIEW

Implantable medical devices are devices placed inside or on the surface of the body. Some medical implants are prosthetics, intended to replace missing body parts. Other implants deliver medication, monitor body functions, or provide support to organs and tissues. They can be temporary or permanent and are often critical in improving the quality of life for patients with medical conditions.



The manufacturing of implantable medical devices demands exceptional precision and reliability.



## Solutions:

- Precise wire feed through holes
- Electrode ring inside wire welding
- Fine wire insulation removal
- Fine wire laser identification
- Joining metal assemblies with minimal heat impact
- Precision tube cutting & finishing

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## Capabilities:

- Laser ablation of plastic components for catheter wall thinning or through hole placement
- Laser ablation of plastic insulation from fine wire electrical conductors
- Laser cutting of precision metal components for implant devices
- Laser welding of medical assemblies for electrical implant components, for delivery of vascular implants, and for orthopedic implants
- Precision tube cutting of vascular stent and heart valve implants
- Finishing of metal implant components
- Cable antennae assemblies for implant data retrieval and implant charging
- Liquid Silicon over-molding for medical implants

## Customers:

- Top Medical Device OEMs
- Niche Medical Device Solution Providers
- Med Device Startup Companies
- Tier 1 Med Device Contract Manufacturers
- Tier 2 Component Solution Providers



E: [medical.info@ametek.com](mailto:medical.info@ametek.com) | T: +1 612 426 3555

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