**Resistance Welding**
- Weld most metals
- Thermocompression bonding
- Fine wire welding
- Coil and stud welding
- Sheet metal welding

**Laser Welding**
- Weld metals and plastics, dissimilar materials and thin foils
- Implantable device seam sealing
- Tool assembly
- Catheter assembly
- Battery manufacture
- Automotive sensors and assemblies

**Integrated Systems**
- Turn-key semi-automated systems
- Laser welding
- Laser marking
- Laser cutting
- Resistance welding

**Laser Marking**
- Marking of metals, plastics, and ceramics
- Engrave, ablate, anneal, bleach/foam
- Cutting or welding of thin metals
- Direct part marking
- Corrosion resistant marking
- UDI marking to comply with FDA regulations
- Wire stripping
- Surface cleaning or roughening

**Laser Cutting**
- Cut Nitinol, CoCr, stainless steels and polymers
- Burr free cuts with femtosecond laser
- Tube diameters from 0.01 - 1 in (0.254 - 25.4 mm)

**Hermetic Sealing**
- Weld Kovar, stainless steel, mild steel and more
- Parallel seam sealing
- Lid handling, placement, alignment and welding
- Controlled atmosphere welding
- Transistor outline (TO) packages
- Rectangular hybrid modules
- Gas and pressure sensors
- RF and photonic devices

**Hot Bar Reflow Soldering & Bonding**
- Hot bar reflow soldering
- ACF bonding
- Heat staking
- Flat panel to LCD

**Micro TIG Welding**
- Weld conductive metals - up to 0.197 in x 0.197 in (5 mm x 5 mm) area
- Weld dissimilar metals
- Bus bar welding
- Coil and terminal welding
- Coated wire welding
- Thin magnet wires
- Medical device: endoscope parts, catheter, guide wire, dental pipe

**Equipment and Integrated Systems Solutions at a Glance**