MED-EL provides options:
**PULSAR**\textsuperscript{Ci}\textsuperscript{100} and **SONATA**\textsuperscript{Ti}\textsuperscript{100}
Cochlear Implants

Same powerful I\textsuperscript{100} electronics – choice of two housing designs

### **PULSAR**\textsuperscript{Ci}\textsuperscript{100} and **SONATA**\textsuperscript{Ti}\textsuperscript{100} Common Features

- Same I\textsuperscript{100} electronics, no differences in patient performance
  - 24 independent current sources for 12 channels
  - 100% on-chip design with a powerful and sophisticated ASIC chip providing exceptional power efficiency
- Compatible with the TEMPO\textsuperscript{+}\textsuperscript{1} speech processors
- Ready for future technological upgrades\textsuperscript{2}
  - High Definition CIS (HD-CIS)
  - Fine Structure Processing (FSP)
  - Channel Interaction Compensation (CIC)
- Wide variety of electrode options to accommodate individual surgical needs
- MRI safe (0.2T), no surgery required for magnet removal
- Strong housings with equivalent mechanical strength against accident related impact
- Various telemetry capabilities
  - Status Telemetry\textsuperscript{2}
  - Impedance and Field Telemetry
  - Auditory Nerve Response Telemetry\textsuperscript{2} (ART\textsuperscript{™})
- Various safety features
  - Output capacitor for each channel
  - Unique implant ID\textsuperscript{2}

### **PULSAR**\textsuperscript{Ci}\textsuperscript{100}

- Proven ceramic housing
- TÜV and FDA approved
- Smallest footprint, thinnest and lightest implant available
- Long-term success with ceramic implants since 1989
- Proven experience with thinfilm manufacturing since 2002

### **SONATA**\textsuperscript{Ti}\textsuperscript{100}

- Compact titanium housing
- TÜV and FDA approved
- Smallest footprint, smallest volume and lightest titanium implant available
- Alternate surgical approach

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\textsuperscript{1} The TEMPO+ speech processor supports the CIS+ speech coding strategy only

\textsuperscript{2} Future accessibility dependent on system implementation and regulatory clearance.