A Variety of Electrode Arrays
for Every Cochlea

MED-EL leads the cochlear implant industry in providing soft and flexible electrode arrays for complete cochlear coverage (CCC) with maximum protection of the delicate inner ear structures. A wide variety of electrode options enables surgeons to select an optimal solution that matches each person's individual anatomical situation.

Standard Electrode Array
In nine out of ten surgeries, the soft, flexible standard electrode is the preferred solution. With a length of 31 mm, the Standard Electrode is the longest electrode on the market and features 12 pairs of electrode contacts. It is designed to stimulate the entire cochlea, from the base to the apex for Complete Cochlear Coverage of all available frequency ranges.

FLEXSoft Electrode Array
Similar to the Standard electrode, the FLEX Soft Electrode allows for deep insertion into the apical region of the cochlea (CCC) and offers increased mechanical flexibility for an even more gentle insertion into the cochlea.

Medium Electrode Array
The Medium Electrode features 12 moderately spaced electrode pairs and is designed for cases where deep insertion is not desired or is not possible due to anatomic restrictions.

FLEXEAS Electrode Array
The FLEXEAS Electrode is designed for combined Electric Acoustic Stimulation (EAS) with insertion no deeper than the basal cochlear turn.

Compressed Electrode Array
Specifically designed for partial ossification or malformation of the cochlea, the Compressed Electrode features 12 pairs of contacts equally spaced over a shorter distance to maximise the number of channels available and optimise performance.

Split Electrode Array
Specifically designed for severe ossification of the cochlea, the Split Electrode features two separate electrode branches, one with five pairs and one with seven pairs of contacts.

Auditory Brainstem Implant (ABI)
The Auditory Brainstem Implant (ABI) is intended for patients with nonfunctional auditory nerves, typically due to Neurofibromatosis Type 2 (NF2). A special electrode array that features 12 contacts are arranged on a soft, pre-shaped silicone paddle.

The Hearing Implant Company
www.medel.com
MAESTRO
Cochlear Implant System

The New MAESTRO™ CI System

The most powerful and off-the-shelf CI system available to hearing and challenging situations. MAESTRO provides users with a superior hearing. With Automatic Sound Management, users are able to transition from one listening environment to the next without the need to press buttons and change programs.

The next generation of FineHearing™ Technology is designed to provide the user with an even more detailed hearing experience, especially for music enjoyment.

OPUS Audio Processors

The swiftest and lightest processors available. OPUS audio processors offer superior front-end processing with the proprietary Automatic Sound Management and the most detailed hearing experience with the unique FineHearing technology. With a modular design, OPUS processors can be worn in a variety of configurations to fit the individual needs and age requirements of the wearer.

Users can now enjoy this superior hearing experience up to 50% longer with the same set of zinc-air batteries. Using the latest electronic circuitry, energy efficiency has been greatly improved while still maintaining outstanding performance.

Introducing the New MAESTRO System Software 4.0

The 2nd Generation EAS System

The ideal solution for partial deafness. Electric Acoustic Stimulation (EAS) is designed to fit the unique needs of individuals with partial deafness. EAS combines the advantages of acoustic amplification and cochlear implant technology in one system. Users benefit from both their natural low-frequency hearing through acoustic amplification and high-frequency stimulation from the cochlear implant. The synergic effect created by this combination offers users superior hearing especially in difficult listening situations and when listening to music.

The New DUET 2 Audio Processor

Improved power efficiency. The DUET 2 features advanced electronics that improve battery life time by up to 50%.

Automatic Sound Management (ASM). The proprietary MED-EL technology, offers users the best possible hearing experience in any environment - automatically.

FLEX™ Electrode Arrays

Safe, flexible, atraumatic.

Natural, low-frequency residual hearing is preserved by using the world's softest and most flexible electrodes. During surgery, the FLEX™ electrode is gently inserted into the cochlea. Thanks to the unique wave-shaped wire design, the highly flexible tip of the FLEX™ electrode enables insertion force to be significantly reduced, thereby protecting the delicate structures of the inner ear from damage.

EAS: Hearing Implant System

The 2nd Generation Electric and Acoustic Stimulation

New features, more flexibility.

The next generation MAESTRO System offers advanced functionality and a variety of features including the new coding strategies FS4™ and FS4-p™. The software supports both new and legacy cochlear implants.

New for EAS: Acoustic fitting via software.

The MAESTRO System Software 4.0 integrates comprehensive audiological and acoustic fitting tools which allows the fitting of both electric and acoustic stimulation optimally in a quick and convenient way.

Introducing the New CONCERTO Cochlear Implant

The world’s smallest titanium implant.

The new CONCERTO Cochlear Implant is the smallest CI available with titanium housing. With the same small footprint, it is 25% thinner than the SONATA titanium implant. The thinnest, stronger CONCERTO titanium implant is optimized for minimally invasive surgical techniques. The particularly small dimensions make it the ideal choice for children and adults of all ages.

CONCERTO offers the same powerful electronic platform for an especially fast and efficient relaying of information.

CONCERTO is offered with a variety of the softest and most flexible electrode arrays ever produced for preservation of the delicate neural structures of the cochlea. (see back page for options)

OPUS Audio Processors

Now Available in a Variety of New Colours!

OPUS audio processors are now available in a variety of exciting colours. Users can choose between White, Creme and Ebony. In addition, MED-EL now offers an assortment of new audio processor colours for children including Green, Orange, Baby Pink and Baby Blue.

Now Available in a Variety of New Colours!

The thinnest and lightest processors available. OPUS audio processors offer superior front-end processing with the proprietary Automatic Sound Management and the most detailed hearing experience with the unique FineHearing technology. With a modular design, OPUS processors can be worn in a variety of configurations to fit the individual needs and age requirements of the wearer.

Users can now enjoy this superior hearing experience up to 50% longer with the same set of zinc-air batteries. Using the latest electronic circuitry, energy efficiency has been greatly improved while still maintaining outstanding performance.

Introducing MAESTRO: One System – Various Options

Software: MAESTRO System Software 4.0

Implants: CONCERTO SOLOPULS

Electrodes: FLEX

Audio Processors: DUET 2 with Finetuner

OPUS 2 with Finetuner

OPUS 1

EAS Combines the Advantages of Acoustic Amplification and Cochlear Implant Technology in One System

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