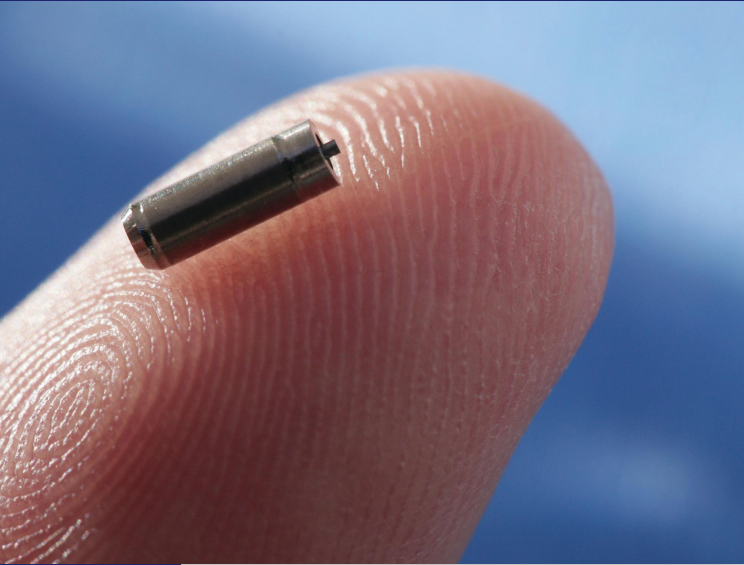


EaglePicher™ Medical Power

FIRST CHOICE FOR IMPLANTABLE MEDICAL BATTERIES



OUR HERITAGE

EaglePicher has been active in battery development since 1922, with a focus on mission critical life sustaining applications. EaglePicher Medical Power proudly carries this culture and heritage into the field of implantable medical batteries.

OUR TECHNOLOGY

We offer one of the broadest ranges of electro chemistries available for implantable applications including lithium manganese dioxide (Li/MnO₂), lithium thionyl chloride (Li/SOCl₂), lithium carbon monofluoride (Li/CFx) and lithium ion (Li ion).

OUR PROCESS

Our range of high-performance batteries is matched by the importance we place on establishing a collaborative technical relationship with our clients—ensuring that battery specifications are finely tuned to each customer's application. All this is backed by our ISO 13485 certified organization where we provide a full range of research, development and manufacturing capability for implantable medical batteries.

THE RESULTS

The results speak for themselves. Over the last decade, our product line has grown to include primary and rechargeable battery solutions for Neuromodulation, Neurostimulation, Drug Pumps, Cardiac Rhythm Management, Heart Pumps, Cochlear Implants and numerous monitoring applications.

EaglePicher Technologies

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CHEMISTRY	EXPLANATION	TYPICAL APPLICATION
Li ion	Preferred chemistry for secondary cells (rechargeable). Highest energy density and discharge rate for secondary batteries. Available in multiple configurations ranging from under 500µAh to 570mAh.	Neurostimulation, Neuromodulation, Cochlear Implants, Drug Pumps, Ventricular Assist Pumps
Li/MnO ₂	Medium energy density and highest rate discharge for primary batteries with a very good shelf life. Available in multiple configurations ranging from under 2mAh to over 2Ah.	ICDs, Micro Devices, Monitors
Li/CFx	Very high energy density and higher rate discharge for primary batteries with excellent shelf life. Available in multiple configurations ranging from under 2mAh to over 2Ah.	Neurostimulation, Neuromodulation, Drug Pumps, Monitors
Li/SOCl ₂	Very high energy density and low rate discharge for primary batteries with good shelf life. Available in multiple configurations ranging from 350mAh to 8Ah.	Low power monitoring

CONSTRUCTION TYPE	Stacked Plate, Bobbin, Wound and Hybrid configurations.
CELL CONFIGURATIONS	Cylindrical, elliptical, prismatic and "D" shapes. Configurations are available as positive, negative or neutral can with Stainless Steel or Titanium enclosure for improved MRI safety. Customers can define their own custom enclosure or take advantage of our patent-pending Modular Cell.
MICRO CELLS	Injectable-size primary and rechargeable.
CUSTOM CELLS	Offers customers the flexibility of designing a cell that matches their exact requirements for capacity, configuration, construction and chemistry.
MODULAR CELLS	The CONTEGO Series provides the opportunity to significantly reduce development time and cost while delivering exact capacity requirements. Benefits to the customer are: <ul style="list-style-type: none"> • Lower development cost • Earlier availability of sample cells to support device development and testing • The use of proven components, processes and chemistry provides a highly stable, reliable product • Simplifies the FDA process since similar cells have already received approval

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