

**Saitama International Business Support Center of Japan and
International Life Science Enterprises, LLC proudly present the
companies of the Saitama Prefecture**

**Visit us at MD&M West, 2016
Booth Number 1452**

The Saitama companies pride themselves on their responsiveness to their client's needs while providing excellent quality, significant cost savings and rapid turnaround for your medical device; componentry, prototypes and finished products. Please visit with us to discuss your specific requirements, at the Saitama Industrial Development Corporation Booth at MD&M West, 2015.



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Actment Co. Ltd. (ISO9001/14001)



Actment produces flexible components such as tubes, forceps and small metal parts primarily from nitinol. They are interested in working with medical device manufacturers whom have applications for nitinol. Actment's primary focus is in minimally invasive devices such as guide wires for gastro and cardiac functions. Nitinol alloys exhibit two

closely related and unique properties: shape memory and super elasticity (also called pseudo elasticity). Shape memory refers to the ability of nitinol to undergo deformation at one temperature, and then recover its original unreformed shape upon heating above its "transformation temperature". Super elasticity occurs at a narrow temperature range just above its transformation temperature; in this case, no heating is necessary to cause the unreformed shape to recover, and the material exhibits enormous elasticity, some 10-30 times that of ordinary metal. Actment produces an effective method for the treatment for ingrown toenails for which they would like to have a US distribution partner. Over 31 million Americans suffer from this condition, which can be serious notably in those with diabetes.

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Cosmic M.E. Co. Ltd. (ISO 9001/ ISO 13485)



A supplier of components to; Japan Lifeline, Nihan Medicaland, Metran Distribution which are integrated into ablation and cardiovascular systems and high, low frequency modulators and ventilators. Cosmic M.E. is ISO 13485:2003 compliant and an authorized medical device Class III manufacturer by the Japanese Government. Their development process is governed by Quality Management Systems (QMS). Cosmic believes the quality of their processes and rapidity of response is of significant benefit to our clients. They specialize in working with small and mid-sized developing medical device companies. Cosmic's corporate strategy is to develop an international position in the medical device market place where the benefits of their methods and client dedication can facilitate their products achieving rapid and effective market position without costly delays and quality issues. Cosmic also provides local maintenance and support to imported electrical devices.

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Nippon Piston Rings (ISO 9001/ ISO 13485)



Nippon Piston Rings has developed unique biomaterial "NiFreeT". NiFreeT is a nickel-free alloy consisting of titanium, tantalum and tin. It is protected by US and international patents. NiFreeT has similar physical properties to Nitinol with a tensile strength of 1500MP, Young's modulus of 35GPa (approximation of human bone), and an elastic limit of 3.56%. NiFreeT has superior features compare to existing biomaterials. It is MRI compatible, biocompatible, highly resistance to corrosion, and highly visible on X-ray imaging. NiFreeT's magnetism testes lower than Platinum.

NiFreeT has already passed 4 GLP tests; Colonization, Gene Mutation Intracutaneous and Guinea Pig Maximization. Current testing includes 5 additional GLP tests completing ISO 10993 standards. Therby meeting the FDA requirements for human implant devices. NiFreeT can be supplied as finished goods or in the following formats: Ingot, wire, powder, machined parts and springs

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Kakoh, Co., LTD

Kakoh possess the capacity to produce every type of electrode, from extra-fine electrodes, by using proprietary technology with a special spiral method conforming to standard specification, to tailor-made electrodes requested by their clients. They are able to quickly deliver a wide range of goods with high quality and purity. They possess expertise in the production of fine metal piping made from various metals such as titanium, nickel titanium and precious metal. The applications of their products in medical devices include stents, catheters, cannula, ultra-sonic scalpels, endoscopes and needles. Kakoh is seeking partnerships in product design and prototyping. Their clients include; Mitsubishi, Nissan and Panasonic, among others.

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METRAN Co., Ltd. (ISO 9001/ ISO 13485)



Metran is a leader in the development and manufacturer of HFO ventilators and respiratory care medical care equipment. Metran Co., Ltd. develops, manufactures and sells respiratory and home-care medical devices. Their products include High Frequency Oscillation (HFO) critical care ventilators, humidification systems for ventilators, home-care products including CPAP devices and oxygen concentrators, and products to serve the veterinary field including ventilators and anesthesia workstations. Metran was the very first developer of commercial High Frequency Oscillation (HFO) ventilators in the world and have been at the forefront of innovation in the field of respiratory medical devices ever since. Metran's capability to develop and manufacture new products to meet the requirements of the medical field are well-known in the medical service sector, particularly in the field of respiratory care. They currently sell their products throughout the world including Europe, the Middle East, Asia, North America and Central and South America. Their

mechanical ventilators for neonates and infants, which require technology that is both refined and advanced, have earned the overwhelming trust of the international community. This trust stems from a 1984 "HIFI trial" sponsored by the United States National Institutes of Health (NIH) where Metran's HFO product was the only one chosen among numerous US and European manufacturers entered in the competition.

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Tokyo Titanium (ISO 9001/ ISO 13485)



Tokyo Titanium, provides both the development and production of titanium products including surgical instruments of exceptional quality for which they are

seeking US distribution. Medical device components are manufactured by them for leading Japanese medical device companies and Doctor's Idea Supply. Currently such parts are manufactured from a variety of metals including titanium. The products include; hernia implants, dental casts and a variety of retractors. Specializing in small custom runs and a rapid turnaround Tokyo Titanium can be an excellent supplier and partner in the production of medical devices as well as surgical instruments.

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B&Plus KK, Co., Ltd. (ISO9001/14001)



A Remote sensor is a non-contact interconnection sensor which sends power and signals through an air gap. They are effective in harsh environments and eliminate slip ring connectors reducing wear, maintenance and restricted movement. B&Plus manufactures remote system connections which supply power and transmit signals wirelessly and simultaneously. The remote system is composed of the transmitter (Remote) attached to the moving side and the output sensor (Base) attached to the fixed side. An air gap facilitates full 360° rotation, a wide range of alignment, flexibility and cost savings.

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