



Supporting Intravascular Lithotripsy (IVL)



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Intravascular Lithotripsy (IVL) is a technique that utilizes shockwaves to break up calcium deposits in blood vessels. It employs pressure waves, sending precisely timed pulses of energy to break up calcium deposits within the vessel walls. These waves fracture the calcified plaque without harming the soft surrounding tissue, making the arteries more flexible and easier to expand. IVL uses non-thermal energy, which minimizes the risk of vessel injury. This precision allows for safer, more controlled treatments and can lead to improved procedural success and better patient outcomes.

Onanon's Role in IVL Applications

Onanon is a leader in medical connectors, with extensive experience in developing and implementing advanced IVL solutions. Onanon's MagConnect® HV is performance engineered to be the most intuitive interconnect in the world for IVL. This medical interconnect is a game-changer in IVL due to its intuitive self-mating design, embedded programmable EEPROM, and integrated LEDs for secure mating confirmation. Most importantly, while most IVL solutions deliver 6,000 – 8,000 volts of electrical current, Onanon's high voltage connector is rated to 12,000 volts, essential for effectively treating calcium buildup in denser heart tissue in cardiac IVL. Onanon's MagConnect® sets a new standard in user-focused, high-performance solutions.

Supporting the Medical Device Industry

Onanon's expertise is founded on decades of experience in custom interconnect design and the development of cutting-edge technologies, positioning us at the forefront of innovation. With a proven track record of designing and manufacturing medical connectors and cable assemblies for leading OEMs, we have established ourselves as a trusted partner in the medical industry. Our commitment to ongoing research and development drives us to explore emerging trends and translate this knowledge into patented innovations, enabling us to deliver state-of-the-art interconnect and cable assembly solutions in the medical device industry and beyond.



IVL Interconnect Capabilities

Environmental & Mechanical

Operating Temp Range: -55deg C to +135deg C
Mechanical endurance: 5k cycles
Vibration: >1μs @ 10-2000HZ, 20G
Shock: >1μs @ 50g
Locking System: Magnetic
Retention Force: 4lbs

Electrical Data

Contact resistance: <10mΩ
Test Voltage: 12k VDC
Current rating: 3A @ 10deg C temp rise

Certification

ISO13485 Certified

Global Manufacturing

Onanon's manufacturing facilities in the US (Silicon Valley) and Mexico enable us to provide both rapid prototyping and large-scale manufacturing solutions to our global customers.

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MEETING**



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