



Services, Solutions & Innovations for:
High Viscosity / High-Volume Biologics

Working together to define the future of drug delivery.

Together, Altaviz and Picocyl enable the future of drug delivery and other special applications through innovative device design and gas-powered solutions for the medical and pharmaceutical markets.

Every product, application and solution we deliver is built from the ground up in our USA-based, state-of-the-art, cleanroom manufacturing facilities (ISO Class 8).

Our extensive methodologies are holistically aligned for medical-grade quality, performance, reliability, efficacy, compliance and for optimal manufacturability. It is our Team of original thinkers, thought leaders and master engineers who lead Altaviz and Picocyl with an organizational core competency to envision and bring to market new, modern applications and solutions which solve today's and tomorrow's drug delivery challenges.



**Gas-Powered
Products & Platforms**



PICOCYL

**Gas-Power
System Components**



GLOBAL LEADERS
**Gas-Powered
Drug Delivery**

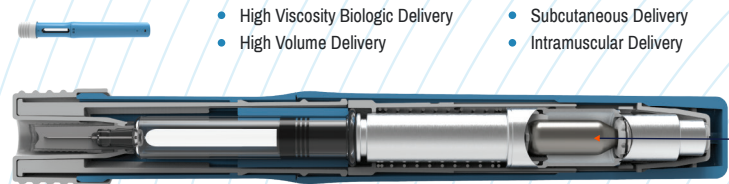
Products & Platforms

Innovative, fully integrated systems for immediate use or rapid customization.



Universal Biologics Auto-Injector

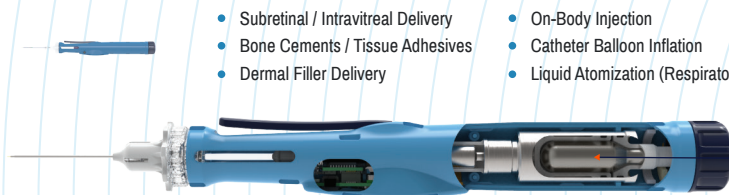
- High Viscosity Biologic Delivery
- High Volume Delivery
- Subcutaneous Delivery
- Intramuscular Delivery



Picocyl-Powered

Fluid Injector

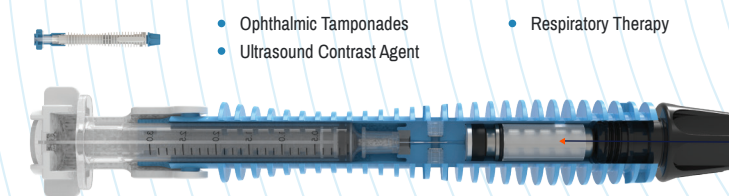
- Subretinal / Intravitreal Delivery
- Bone Cements / Tissue Adhesives
- Dermal Filler Delivery
- On-Body Injection
- Catheter Balloon Inflation
- Liquid Atomization (Respiratory, Nasal)



Picocyl-Powered

Gas Injector

- Ophthalmic Tamponades
- Ultrasound Contrast Agent
- Respiratory Therapy



Picocyl-Powered

Implant Delivery

- Intraocular Lens Delivery
- Glaucoma Shunt Delivery
- Drug Eluting Implant Delivery
- Surgical Applications



Picocyl-Powered

GLOBAL LEADERS
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Focus Areas

Revolutionary design-thinking to drive Innovation and bring novel surgical solutions into the world.



System Components

Driving innovation with our leak-free cylinder designs and sub-systems.



The Game Changing Pico-System

Our leak-free, superior quality Pico-Cylinders, Opener Pins, Actuators, and Drive Sub-Assemblies are designed from the ground up to deliver exacting performance and unsurpassed reliability.

Pico-Cylinder Breakaway Septum



Our Pico-Cylinder Breakaway Septum has the lowest and most controlled opening forces on the planet. Our patented septum design combines this low puncture force with high reliability burst integrity.

Pico-Cylinder Valve-Release



Our Pico-Cylinder Valve-Release contains a spring-loaded valve that allows for partial gas release, resealing, and vacuum purging and filling to ensure highest purity gas transfer.

Component Actuator



Our custom Actuators puncture the Pico-Cylinder, seal off the gas, and integrate into your device to optimize design architecture, ergonomics, and human factors.

Component Pico-Pin



Our Pico-Pins have been intentionally designed, tested, and manufactured to open the Pico-Cylinder Breakaway Septum – reliably releasing the gas out of the cylinder and simplifying downstream manufacturing processes and quality checks.



Cleanroom Manufacturing

We are an ISO 13485 certified manufacturer with advanced automated gas filling and sealing, laser marking traceability, onsite gas blending, and multistage leak-free in-process verifications.



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PICOCYL

Gas-Power System Components

A pioneer in developing unique energy sources for drug delivery, Picocyl's flagship Pico-Cylinders have become the industry standard for single use, pressurized gas cylinders.

Designed and built from the ground up for the strict requirements of medical, quality compliance, Pico-Cylinders are leak free, with superior performance, energy and power density, and low noise impact. Produced in cleanroom manufacturing facilities in the United States of America, Pico-Cylinders come in multiple standard form factors. Pico-Cylinders can also be completely customized for unique size, weight, fill requirements, pressures, puncture forces and gas types.

Picocyl is ISO 13485:2016 certified, has been audited and approved by numerous medical device and pharmaceutical firms, and has been FDA Inspected.



altaviz

Gas-Powered Products & Platforms

Altaviz develops and manufactures platform technologies and products for the medical device, pharmaceutical, biotechnology, and other specialized industries requiring high performance applications. We empower clinicians and surgeons to better care for their patients with highly effective devices and instruments improving efficacy, safety, and work flow efficiency.

We introduce next-generation products, backed by effective, novel, technologies delivering better solutions to the challenges and objectives of enhanced patient care. Our team is rooted in the core competency of medical device design and high volume manufacturing process development fortified by knowledge of market drivers and customer needs.



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