

Innovative Solutions for Next-Gen Drug Delivery

We bring innovation to reality through next-gen design, applications engineering and rapid solution development for the medical industry.

picocyl.com



PICOCYL

CREATOR OF THE..

Pico-Cylinder



An elegant solution powering tomorrow's devices.

COMPANY OVERVIEW

Innovative Solutions
for Next-Gen Drug Delivery

PICO CYL

Innovative Solutions for Next-Gen Drug Delivery

We bring innovation to reality through next-gen design, applications engineering and rapid solution development for the medical industry.

Driving innovation with our leak-free cylinder designs and sub-systems through thought leadership, a commitment to experiential design and rapid development, and state-of-the-art cleanroom manufacturing facilities.



Innovation On-Demand

We bring innovation to reality through next-gen design, applications engineering and rapid solution development. Our core competencies are holistically aligned for medical-grade quality, performance, reliability, efficacy, compliance and for optimal manufacturability.



Rapid Development

Our engineering team transforms concepts into finished products using state of the art design and analysis tools; in-house prototyping and model shop; quick-turn and production mold tooling; design for manufacturability; and decades of proven product development.



Cleanroom Manufacturing

Our facility was built from the ground up to manufacture components and devices for the medical and pharmaceutical industries. Picocyl is an ISO 13485:2016 certified company and manufactures our products in a certified Class 8 cleanroom in our start-of-the-art facility in Golden, Colorado.



Comprehensive Services

We offer a unique and broad array of consulting and professional services to simplify your experience. Our extensive methodologies are holistically aligned for superior quality, performance, reliability, efficacy, compliance and for optimal manufacturability.

The Future

Drug Delivery

Picocyl enables 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 Picocyl and our organizational core competency to envision and bring to market new, modern applications and solutions which solve today's and tomorrow's drug delivery challenges.



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.

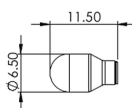
How can we be of Service?

- Applications Engineering
- Design Analysis
- Customization
- Device Development
- Contract Manufacturing
- Environmental Sustainability

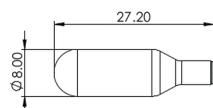


Cleanroom Manufacturing

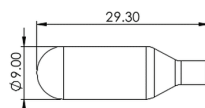
We are an ISO 13485 certified manufacturer with advanced automated gas filling and sealing, laser marking traceability, onsite gas blending, and multistage leak-free in-process verifications.



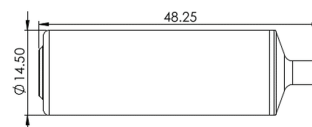
160 µL



700 µL



1 mL



4.5 mL

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About

Picocyl is a forward-looking organization which is singularly focused to envision and bring to market new products and solutions which solve today's and tomorrow's medical and specialized high-quality application delivery system challenges. Through a full lifecycle of experiential design and engineering services, unique rapid product development approach, state-of-the-art cleanroom manufacturing facilities (ISO Class 8), and commitment to unsurpassed quality, performance and efficacy, Picocyl has earned a reputation as one of the medical industry's premier innovators and thought leaders for delivery systems.

A pioneer in developing unique energy sources for drug delivery, the Company'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.

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