

Entegris at a Glance

A world-class supplier of advanced materials and process solutions for the semiconductor, life sciences, and other high-tech industries.



FOUNDED
1966



2020 REVENUE
\$1.8B



HEADQUARTERS
Billerica, MA



EMPLOYEES
~5,800



Business Divisions

- Advanced Materials Handling (AMH)
- Microcontamination Control (MC)
- Specialty Chemicals & Engineered Materials (SCEM)

Our Mission

To help our customers improve their productivity, performance and technology by providing enhanced materials and process solutions for the most advanced manufacturing environments



Global Infrastructure

Local R&D, manufacturing, and support



North America



Europe and Israel



Asia and Japan

Differentiated Product Development

Deep technical expertise and application knowledge

Direct engagement by engineering teams

Pilot capability at most sites

Strong Customer Relationships

Dedicated customer support organization focused on specific customer needs

Collaborative customer engagements leverage global state-of-the-art infrastructure and tech centers

We are your partners in delivering safe and effective, life-sustaining solutions



Reliable quality for life-sustaining treatments

From manufacturing pharmaceuticals to medical devices, we understand complex supply and quality challenges and work with you to achieve world-class production with batch-to-batch consistency.



Global, supply chain infrastructure

Leveraging a global, state-of-the-art infrastructure with local R&D and manufacturing, we offer unparalleled supply chain security.



Customer-centric enabling technologies

By identifying, removing, and preventing contaminants, our technologies can improve quality, purity, and maintain product supply to your customers, the healthcare providers.



Five decades of unparalleled partnerships

Through collaborative customer engagement from concept to full production, we enable your successful new product launches and commercial manufacturing campaigns.

Product Breadth and Depth of Technology

Cross BU synergy
Core Life Sciences

- Filtration and Purification
- Fluid Management
- Specialty and Fine Chemicals
- Particle Characterization
- Liquid Packaging



Market for Filtration Products



Biopharm

API
SVP/LVP
Cell Culture Media



Medical

Infusion Set
IVD
OEM



Laboratory

Lab analysis
Environment
monitoring



Microelectronics

FPD



Food and Beverage

Drinking Water
Beer
Juice



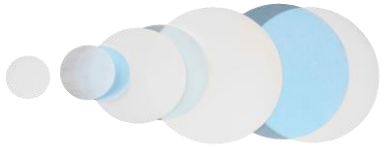
Chemical and Water Treatment

Ink
Li-renewable
Optical

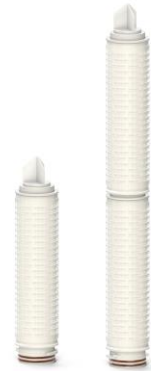
Life Science Filtration Portfolio

30+ years expertise in life science filtration, products manufactured in Hangzhou, China

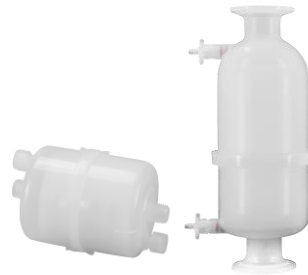
Microporous Membrane



Filter Cartridges



Disposable Filter



Syringe Filter



Filter Housing



New 20,000 m² World-class Facility in China



Improvements made after Entegris investment



Consolidation and upgrade of manufacturing capacity and capability



Technology infusion



Improved quality control systems

- ISO 9001, ISO 13485, ISO 14001 certified
- Production environment: class 100,000 cleanroom

Together, Entegris Expertise Contribute to Life Science Filtration



Hangzhou Validation Center

Our new expanded 1,500 m² validation center opened earlier this year, and performs testing and validation services for pharmaceutical companies and filter.

China Technology Center (CTC)

Four dedicated labs under one roof for the semiconductor, display/ FPD, other commercial electronics and life sciences industries, solving a diversity of customer problems.



Benefit for our clients:



Leverage worldwide based experts to develop high-value products



Broad analytical and problem-solving capabilities to help customers resolve application issues

Hangzhou Validation Center

Physicochemical Lab

- Integrity tester
- Organic impurities
- Elemental impurities

Microbiology Lab

- Bacterial challenge test
- Environmental monitoring
- Sterile test
- Microbial limit



HPLC



Biosafety Cabinetry



GC-MS



ICP-MS



China Technology Center (CTC)

Team Member

Over 25 scientists and engineers

Labs

- Analytical and Metrology Lab
- Micro-contamination Control Application Lab
- Advanced Material Handling Application Lab
- Surface Preparation and Integration Application Lab



A credible partner in developing, manufacturing, validation and application



Global resource sharing



Localized R&D capability



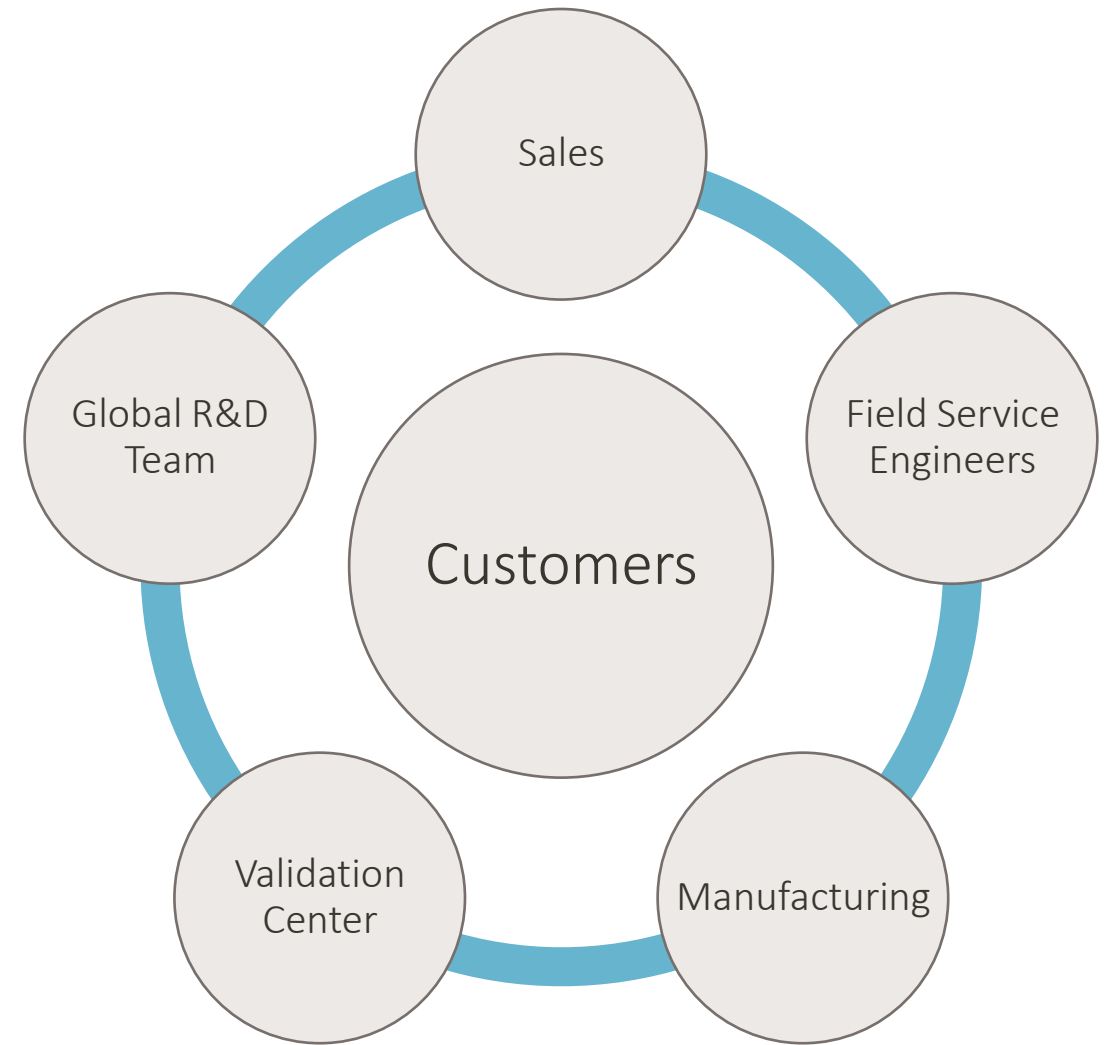
Diversified product mix



World-class manufacturing capabilities



Customer co-development models



Pharmsteri™ PP Cartridge Filter



Pharmsteri™ PP Cartridge Filter can efficiently remove particulate and colloidal contaminants in pharmaceutical applications.

- All polypropylene construction provides excellent chemical compatibility, allowing use in a broad range of applications
- Optimize form factor allows high flow and low pressure drop, lowering cost of ownership
- All components meet **USP Class VI test** requirements, providing biosafety insurance and regulatory compliance globally



Thank you!
