Entegris

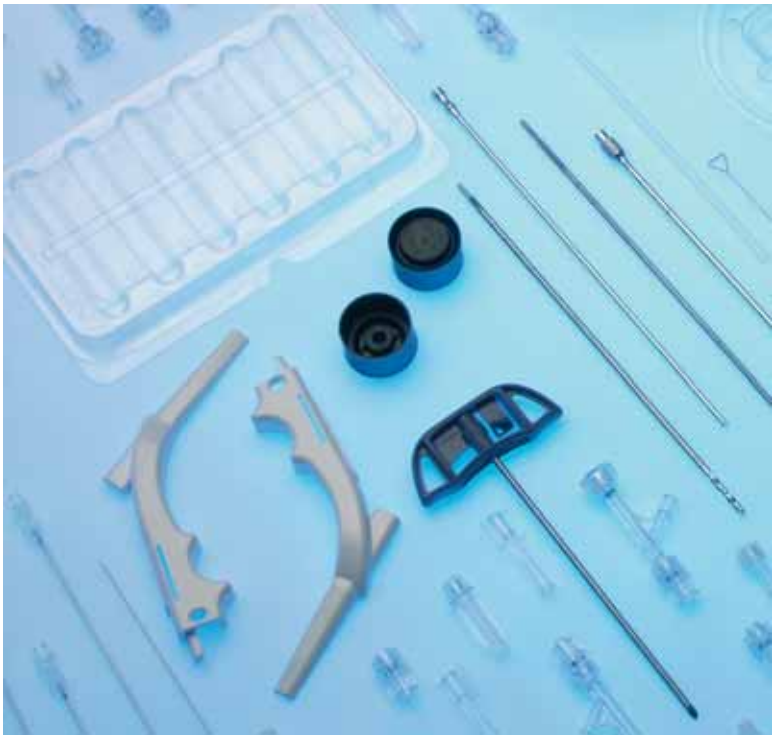
PRECISION CLEANING SERVICES AND SYSTEMS

State-of-the-art cleaning for Life Sciences applications

precision cleaning services add value, reduce cost

Contract Cleaning Services

Entegris offers a precision cleaning service to clean a variety of parts in critical applications. We combine our proprietary cleaning technology, custom designed equipment and years of hands-on experience to meet and exceed the demands of many customers in a variety of industries. We have cleaned and processed hundreds of different types of parts from the Semiconductor, Flat Panel Display, Aerospace, Microelectronic, Pharmaceutical, Optical, Medical and other industries.



A variety of small parts are cleaned using Entegris' precision cleaning service.

Benefits

Precision cleaning by Entegris offers you access to a highly experienced, state-of-the-art cleaning service. With over 20 years leadership experience in precision cleaning, Entegris services add real value to your products and business.

By outsourcing your cleaning needs, you gain flexibility, productivity and predictability within your operations. Our economies of scale enable cost-effective cleaning services and our broad service capabilities combined with a single point of contact give you greater efficiency.

Capabilities

- Aqueous ultrasonic and spray processes using 18 Mohm DI water
- Inspection, packaging and certification services
- In-house applications lab develops cleaning recipes to ensure customer cleaning requirements are met
- Effective and efficient sub-micron removal of general environmental contaminants such as particles and organic films
- Effective and efficient sub-micron removal of manufacturing contaminants such as silicone mold releases, ionic films and light machine oils
- Proven results cleaning metal, ceramics, plastics, silicone rubber and other materials
- Supply chain management services
- Facilities in U.S., Europe and Asia

Quality Systems

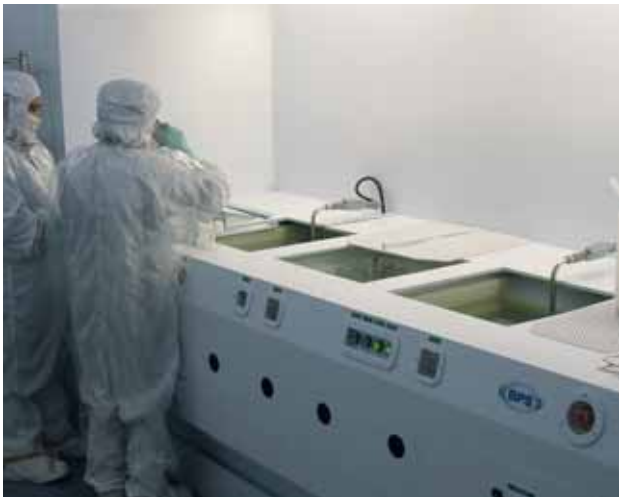
Our quality systems ensure the correct packaging, labeling, documentation and cleaning procedures are applied as specified by the customer to achieve outstanding cleanliness levels and traceability of every part cleaned by Entegris.

Inspection

Samples of each lot are inspected based on customer requirements. Capabilities include LPC, IC, FTIR, NVR, visual and microscopic inspection. 10x to 1000x testing is performed in our in-house lab.

Cleanroom Packaging

All parts are packaged in a cleanroom environment. Parts can be single, double or triple bagged. Bag materials include nylon, low-density polyethylene or high-density polyethylene. Vacuum or nitrogen purge is also available.



Small parts cleaning line

High Performance Cleaning Systems for Critical Applications

Excellent for Complex Geometries

Entegris cleaning systems are well suited for parts with complex geometries because ultrasonic power is able to penetrate blind holes and hidden areas.

Fully Automated Operation

A PLC automatically controls process functions. Flag sensors or bar code readers can be utilized to distinguish different parts and activate associated recipes. Units offer automatic control of detergent or surfactant concentration during the wash cycle.

Low Cost of Ownership

Entegris cleaning systems offer the lowest cost of ownership by reducing total operating costs, minimizing process supervision (leading to better time management), providing the best throughput per unit area, lowering utility consumption (electricity, DI water and CDA/N_2) and providing high system reliability backed by over 20 years of experience.

Superior Cleaning Performance

- Highly-engineered wash and rinse processes produce a superior level of cleanliness
- Modular design consists of one or more ultrasonic or spray processes to meet exacting needs
- Heated, compressed clean dry air (CDA) or recirculating HEPA blower produce thorough drying
- Process takes place within a controlled environment to help prevent contamination

HTC series cleaning system

Ultrasonic or immersion wash/rinse

Superior Cleaning Performance (continued)

- DI water and air flow-paths are constructed of high purity materials
- Point-of-use filtration is located after all valves and heaters
- To prevent bacteria growth, the DI water flow-path purges automatically at user-selected, programmed intervals

Features

- Aqueous cleaning systems
- Spray, ultrasonic or combination systems
- Thorough drying
- Automated batch processing
- Low to high throughput
- Suitable for metal, plastic, silicon rubber, glass and other materials
- Complimentary recipe/process development
- Compact footprint
- Standard or semi-custom
- Water reclaim
- Cleanroom compatible
- Process monitoring
- Worldwide support

For More Information

To find out more about what Entegris can do for you, please call one of our Regional Customer Service Centers today.

Entegris Regional Customer Service Centers

	Telephone	Fax
North America	952-556-4181	952-556-8022
North America Toll Free	800-394-4083	800-763-5820
Europe	49-7264-9158-0	49-7264-9158-927
Japan	81-3-5769-7800	81-3-5769-7845
Malaysia	604-403-1266	604-403-1262
Korea	82-31-738-1181	82-31-738-1191
Taiwan	886-3-5633598 886-3-5633552	886-3-5633521

Ultra series cleaning system

Terms and Conditions of Sale

All purchases are subject to Entegris' "Terms and Conditions of Sale."

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The materials integrity management company

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