



ROBATEL INC.
 703 West Housatonic Street – Ste L15
 Pittsfield, Massachusetts 01201-6616
manufacturing centrifuges and centrifugal extraction equipment
 413.499.4818
 sales@robatel.com
 rousselet-robatel.com

Robatel Inc Statement of Merit & Asset Qualifications

Founded in 1830, Rousselet-Robatel of Annonay, France is an independent and fully integrated manufacturer of solid-liquid, liquid-liquid separation and extraction centrifuges. Rousselet-Robatel’s operating base includes large, medium, and small organizations in the pharmaceutical & biological, chemical, textile, metalworking, and environmental industries. The Company employs approximately 100 people in its 80,000 square foot workshop and its international subsidiaries and offices.

Founded in 1978, Robatel Inc is the USA subsidiary of Rousselet-Robatel. Since this time, Robatel Inc has earned a reputation for providing competent and reliable process support and engineering service assistance to our customers in North America. Many repeat customers over this 36 year period can attest to the rapid and professional support of our expert design, mechanical, electrical, and chemical engineers, chemists, and scientists.

PROCESS AWARENESS

A comprehensive understanding of the process and separation objectives upstream and downstream of the centrifuge is required before a properly engineered solution can be proposed. This is the first step when evaluating the performance of any centrifugal separator used in a lab, pilot plant, or production facility. It is in this way that Rousselet Robatel’s expertise in developing and analyzing process data delivers tangible, measurable gains.

QUALITY DIRECTIVES & STANDARDS

As a world-class manufacturer of fabricated centrifuges and services, the highly skilled team at Robatel Inc is committed to continuous improvement through all phases of the project.

- *Centrifuges:* By design and construction, all Rousselet-Robatel centrifuges are fabricated in accordance with many internationally recognized standards. Our commitment to excellence in quality and safety is evident in the care and craftsmanship applied in the fabrication and performance of our equipment. Each centrifuge is supplied with a CE stamp and EC Certificate of Conformity according to these directives and standards:

| | |
|-------------|---|
| CE 2006-42 | European Directive.....Machine Safety |
| EN 292/294 | European Standards.....Safeguarding of Machinery |
| ISO6178 | European Standards.....Basket Calculation |
| EN 90.600 | European Standards.....Basket Balancing (Quality G6.3) |
| EN 60.204 | European Standards.....Safety of Machine, Electrical Equipment of Machine |
| CE 2004/108 | European Directive.....ECM |
| CE 2006/95 | European Directive.....Low Voltage |

- *Control Panels, Electrical Equipment, and Programming:* All programming for Robatel Inc centrifuges is performed in the USA. All electrical and control panels are fabricated and assembled in the USA in accordance with internationally recognized standards for process environments including hazardous area applications that require purge & pressurization systems and explosion-proof rated equipment. Where applicable, each electrical component or panel is provided with authorized stamps or plaques:
 - ANSI – American National Standards Institute
 - ASME – American Society of Mechanical Engineers
 - NEMA - National Electric Manufacturers Association
 - NEC - National Electric Code
 - UL/cUL - Underwriter’s Laboratories



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DOCUMENTATION

Centrifuge project and final technical documentation is composed and issued by Robatel Inc in the English language. Project specifications and summaries shared with the centrifuge owner include General Arrangement drawings, control panel & electrical wiring diagram, P&ID and hydraulic piping diagrams, etc. Operating & Maintenance manuals consist of installation, start-up, and optimization procedures, sub-vendor documentation, detailed spare parts list, preventative maintenance procedures, the factory acceptance report, and the EC certificate of conformance. Document packages for cGMP applications encompass more detailed data such as a CIP report, surface finish report, etc.

FACTORY ACCEPTANCE TESTING

Factory acceptance testing (FAT) is conducted at our factory in France prior to shipment. Each centrifuge is subjected to exhaustive dry and wet running tests to ensure that the equipment performs as intended. FAT protocols include rotational speed tests, leak testing, noise level testing, Cleaning-In-Place protocols, and require testing of all interlocks, alarms, and safeties.

SERVICE & SPARE PARTS

Field service engineering, optimization, and preventative maintenance activities for North American customers are provided by Robatel Inc from its Pittsfield, Massachusetts facility. Engineers travel on-site to perform consultation, commissioning, troubleshooting or emergency services, and to preventative maintenance. Robatel Inc field service engineers participate in hands-on and supervisory roles.

COMMITMENT

Rousselet-Robatel strives to establish long-term, mutually beneficial relationships with its clients, and has done so since 1830. We will apply all of the assets at our disposal and assure you of our support to achieve the best possible performance from our centrifuges and extractors.