

## NOVATEC'S SYSTEMS CAN BE USED FOR FOLLOWING APPLICATIONS:

- Surface preparation prior PVD-CVD treatment and Surface stripping
- Automotive, aeronautics and Defence industry
- Medical industry (components and orthopaedic prostheses)
- Optical industry and eyewear frames
- Watch industry, jewellery, silverware and small components
- Moulds for plastic, glass and die casting & Industry of Precision Mechanics
- Industry of Electrical, Electronic, Semi-Conductors and customized and specially designed cleaning systems
- Treatment finishing for Components and Fittings & Photovoltaic Industry



SURFACE  
FINISHING  
TECHNOLOGIES

INDUSTRIAL  
CLEANING



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MULTISTAGES SYSTEMS FOR PRECISION  
CLEANING MOD. PLURITANK

## HEADQUARTER



**NOVATEC S.r.l.** is a meaningful name, synonymous with design, production, installation and commissioning, as well as service of cleaning and surface treatment systems.

Since 1993 **NOVATEC** has had one main goal: Customer satisfaction. We not only offer our Customers high-value products, but also customer-care with a prompt and competent service. Our experience and constant technological upgrades to both resources and equipment have made this possible.

Our company, dynamic and flexible, has a wealth of knowledge supported by a motivated technical team involved both in development and research. The great value of **NOVATEC** products is the result of synergic efforts to achieve the optimum in the surface treatment field and to maintain the excellent price-quality ratio which marks each system produced.

**NOVATEC** research and development in specific customer applications, enables us to offer the innovative and efficient solution for a guaranteed turn-key result.

This philosophy and our zest to embrace each product as a new challenge, enabling us to improve quality, innovation and satisfy customer needs, has resulted in **NOVATEC** becoming a well-known and appreciated brand all over the world.

## NOVATEC IN THE WORLD



**NOVATEC's** success, first in Europe and eventually throughout the world has enabled us to build up an important national and international commercial network.

Our representatives, who cover most of the world markets, also operate with local personnel, guaranteeing prompt after-sales response for all technical and process related issues

All of these aspects have contributed to **NOVATEC's** worldwide leadership in the field of surface treatment.

## PLURITANK series

**NOVATEC**, a manufacturer of high quality cleaning systems, thanks worldwide experiences and success, introduces its ultrasonic cleaning line series **"PLURITANK" (Multi-tank machines)** which, owing to its modular construction method, is designed to meet the many requirements for the treatment of different parts (tools or components) prior to PVD coating processes or other vacuum treatments.

Ultrasonic is the most efficient cleaning method available today; **"PLURITANK"** ultrasonic cleaning systems comprise a combination of different process modules, consisting of: ultrasonic immersion or spray cleaning tanks designed for use with aqueous detergent solutions, single or double-stage cascade immersion or spray rinsing tanks for deionised or tap water use, hot air dryers and vacuum dryers. All the modules in the system are entirely fabricated of stainless steel and available in standard version or adaptable to customers' specific production requirements.

Friendly use industrial PLCs and HMIs control the process functions and the automatic handling systems (from 10 kg to 300 kg and more), as well as conveyors, automatic lids, ultrasonic, solenoid valves and further possible functions. The systems can also be equipped with bar code readers, which control the quantity and the type of product being treated, and "traceability" systems so to monitor the process constantly and save data and parameters related to the different stages as for times, temperature, ultrasonic power, trends, etc. Thanks to the easy combination of these different process modules NOVATEC can meet any demand according to all customer's specific needs.



### POSSIBLE PROCESS COMBINATIONS

- ✓ Spray Pre-Cleaning - Oil Separation system
- ✓ US Cleaning (with mechanical agitation) - Oil Separation system
- ✓ Immersion Cascade Rinsing (with mechanical agitation or hydrokinetic turbulence)
- ✓ US Cleaning (with mechanical agitation)
- ✓ Immersion Cascade Rinsing (with mechanical agitation or hydrokinetic turbulence)
- ✓ (Option) Acid Immersion Rinsing or extra US Cleaning
- ✓ (Option) Immersion Cascade Rinsing (with mechanical agitation)
- ✓ D.I. Water US Immersion Rinsing (with mechanical agitation)
- ✓ Final D.I. Immersion Rinsing (with mechanical lift-out system)
- ✓ (Option) Manual or Automatic Blowing position
- ✓ Air Drying (single or double chamber)
- ✓ (Option) Vacuum Drying (for the complete degassing of the parts)



### USABLE TANK DIMENSIONS for standard "PLURITANK" systems:

PLURITANK 50	300 x 400 x 420 (h) mm
PLURITANK 80	400 x 500 x 400 (h) mm
PLURITANK 110	400 x 500 x 550 (h) mm
PLURITANK 210	500 x 700 x 600 (h) mm

Adaptable machine versions are available following customers' specific requirements.

**"PLURITANK"** systems are the alternative to solvent-based systems, giving excellent cleaning without the associated health and safety issues. Our attention is completely focused on the satisfaction of customers' demands and on the offer of our know-how supplying high quality products and services worldwide.

