



La Spezia Service Center

Located along the northwest coast of Italy, Elliott's La Spezia repair center services the oil and gas, refining, chemical, petrochemical, power generation, and steel making industries throughout the Mediterranean Region and the Middle East. The 2,500-square-meter facility's convenient access to major highways and deep sea ports simplifies the transportation of equipment and components.

Elliott La Spezia is fully staffed by experienced personnel with diverse expertise in repairing Elliott and non-Elliott equipment. The team's capabilities range from routine machinery maintenance to upgrading aerodynamic components and the complete emergency restoration of critical process equipment. Elliott La Spezia specializes in the following areas of rotating equipment service:

- ♦ Utility steam turbines
- ♦ Mechanical drive, single- and multi-stage turbine repair
- ♦ Centrifugal compressor repairs
- ♦ Gear box repairs
- ♦ Inspections and overhauls
- ♦ Innovative weld repair
- ♦ Dynamic rotor balancing
- ♦ Turbine governor repair and service
- ♦ Power recovery expander repair
- ♦ Turbocharger overhauls and repairs
- ♦ Stress relieving, metalizing, and spray coating
- ♦ Full nondestructive testing
- ♦ Bucket, blade and impeller repair and replacement
- ♦ Diaphragm and casing restoration
- ♦ Custom parts manufacturing
- ♦ Specialty shop machining
- ♦ Equipment rerates and upgrades
- ♦ Gear and bearing repair
- ♦ Axial compressor repair
- ♦ Blower repair

With more than a century of turbomachinery experience, Elliott Group provides a single, comprehensive source of expert service for rotating equipment for any manufacturer.



The 2,500-square-meter facility is served by a 20-ton crane.



Elliott services range from standard maintenance to comprehensive overhauls.



Machining a steam turbine diaphragm.



Reblading a turbine rotor.

Facility

- ♦ 20-ton maximum lifting capacity, 7.3 meters under hook

Boring Mills

- ♦ Vertical boring mill: maximum 2-meter swing, 2-meter table diameter, 2-meter height
- ♦ Horizontal boring mill: maximum 1.2-meter x 1.4-meter table, 1.5-meter spindle

Lathes

- ♦ Maximum 2.5-meter swing, 8 meters between centers

Dynamic Balancing

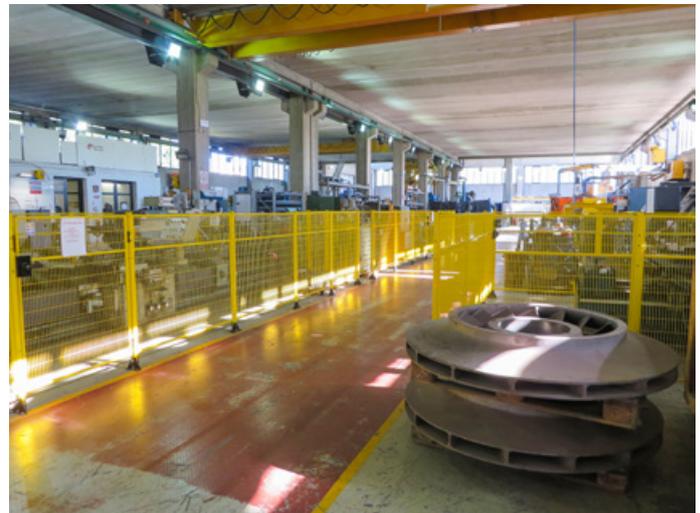
- ♦ Maximum 6-meter swing, 22 tons, 20- to 400-millimeter journal range

Other Equipment

- ♦ Welding: TIG, Stick, Pulse, Sub-Arc
- ♦ Nondestructive testing capabilities: magnetic particle, liquid penetrant, ultrasonic



Measuring a compressor shaft at final machining.



Protective cages separate equipment from pedestrian walkway.



Zona Industriale n. 1
54011 Frazione Albiano Magra
Aulla (MS) Italy
Phone: +39 0187 41311
Fax: +39 0187 413000

www.elliott-turbo.com

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