



Silchester Service Center

Elliott's 58,000-square-foot service center in Silchester, Hampshire is located 50 miles west of London. The Silchester service center supports the oil & gas processing, chemical, petrochemical, fertilizer, sugar processing, and refining industries.

Services provided at the Elliott Silchester service center include:

- ♦ Single- and multi-stage turbine repair
- ♦ Centrifugal compressor repairs
- ♦ Bucket, blade and impeller repair and replacement
- ♦ Innovative weld repair
- ♦ Dynamic rotor balancing and vibration analysis
- ♦ Hot gas expander repair
- ♦ Stress relieving, metalizing, and spray coating
- ♦ Full nondestructive testing
- ♦ Inspections and overhauls
- ♦ Diaphragm and casing restoration
- ♦ Custom parts manufacturing
- ♦ Specialty shop machining
- ♦ Equipment rerates and upgrades
- ♦ Re-engineering modifications
- ♦ Gear and bearing repair
- ♦ Axial compressor repair
- ♦ Blower repair

Elliott service centers are registered to ISO 9001 or have structured quality management systems. The Elliott Silchester facility is equipped to respond to emergency requests. Service is available 24 hours a day, seven days a week. With more than a century of turbomachinery experience, Elliott Silchester is staffed with skilled and dedicated engineers, technicians, welders, and machinists with the industry knowledge and expertise to keep equipment performance high and maintenance costs low.

Elliott Group's global service network provides a single, comprehensive source for all turbomachinery service needs, regardless of the original equipment manufacturer (OEM.)



Using a portable coordinate measuring machine to reverse engineer a turbine rotor.



The 58,000-square-meter facility has a 30-ton crane capacity.

Facility

- ♦ 30-ton maximum lifting capacity, 39 feet under hook

Boring Mills

- ♦ Vertical boring mill: maximum 72-inch swing, 42-inch table diameter
- ♦ Horizontal boring mill: maximum 60-inch x 220-inch table

Lathes

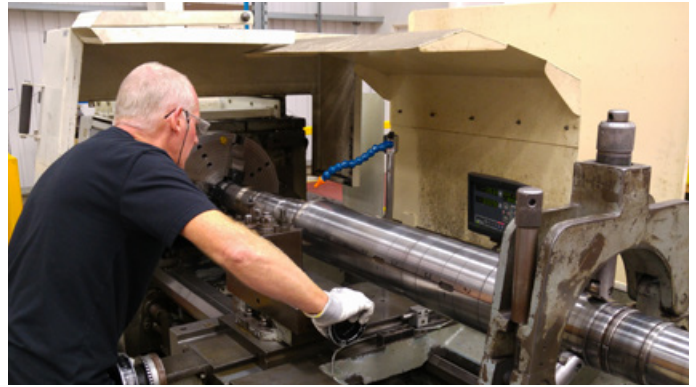
- ♦ Maximum 60-inch swing, 450 inches between centers

Dynamic Balancing

- ♦ Maximum 62-inch swing, 75,000 pounds, 20-inch journal

Other Equipment

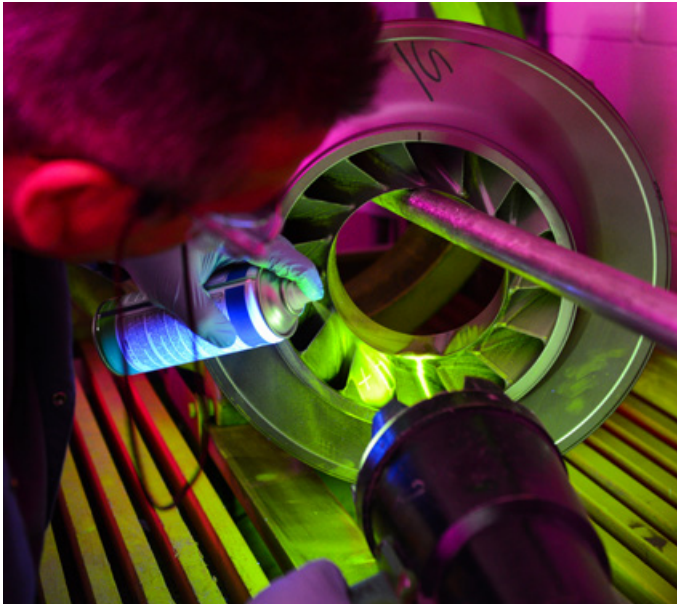
- ♦ Welding: MIG, TIG, Stick, Pulse, Sub-Arc
- ♦ Nondestructive testing capabilities: magnetic particle and liquid penetrant



Turning a compressor shaft following weld repair.



TIG weld repair of an impeller.



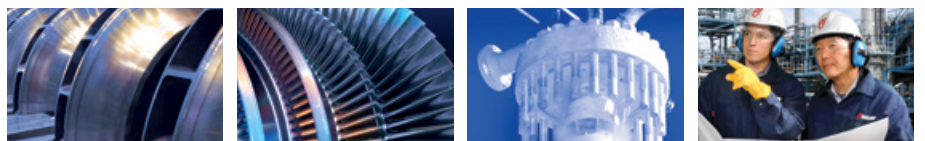
Magnetic particle non-destructive test of an impeller.



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T H E W O R L D T U R N S T O E L L I O T T



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