



TEES
COMPONENTS



Tees Components is an established, award-winning and approved heavy engineering subcontractor, based in the North East of England. But we are not like other subcontractors. We are an enthusiastic and progressive family business that has adapted and evolved to meet the growing demands of industry, becoming one of the most comprehensive heavy machining facilities in the UK.

We thrive on major projects, and regularly machine large-scale components for key industries including defence, renewable power generation, new nuclear and decommissioning and marine. We appreciate the challenges you face as a procurement or SQE team and will provide you with engineering excellence from concept to completion.



HEAVY MACHINING EXCELLENCE SINCE 1963

With some of the largest CNC machines in the country, we are proud to be one of the most comprehensive, versatile heavy machinists in the UK.

Our expansive, six-acre site operates 24 hours a day, with the flexibility to accommodate anything from multi-million pound defence projects and offshore power generation, to quick turnaround local projects and one-off pressure testing.

The sheer scale and range of our site means we have the capacity to fulfill high profile, complex projects for major industries, including defence, renewable power generation, new nuclear and decommissioning and marine.

With heavy investment in the latest technology, operating with over 20 machines, including:



**RANGE OF CNC VERTICAL BORERS
AND VERTICAL MACHINING
CENTRES WITH LIVE SPINDLES**
turning 2.0m to 6.8m diameter



**RANGE OF CNC HORIZONTAL
BORERS, MILLS, CNC
ROTARY TABLES**
milling 2.0m to 11.5m in x-axis



5-AXIS CNC MILL-TURN
with 3.0m between centres



LIFTING EQUIPMENT
up to 70 tonnes

We live and breathe engineering, and at the heart of our operation is an established team of 65 highly skilled, apprentice-trained, mechanical and electrical engineers, fitters and welders. With them comes an unrivalled knowledge base and an eagerness to innovate - a reliable extension of your own team.





Wembley Arch



LARGE SCALE, GAME-CHANGING PROJECTS

The scale and versatility of our machines, combined with the expertise of our engineers, means we can accommodate big ideas and maintain small tolerances. Because of this, we have been involved in some high profile, complex projects, including:

- Channel Tunnel
- Jubilee Line
- Bond St extension
- Wembley Arch
- Humber Bridge
- Millennium Bridge

MATERIALS

We machine a wide range of metals, including:

- Mild steel
- Stainless steels (including duplex and super duplex)
- Irons (including chilled iron)
- Superalloys (including Inconel)
- Bronze alloys
- Aluminum

With extensive experience in setting complex fabrications, we work with you to understand the critical dimensions that ensure your components are fabricated to your specified tolerances.

We also work with major foundries, machining castings and forgings and providing feedback on material stock and machinability.

REPORTING

Our records of inspection provide you with the confidence that work is produced within the desired accuracy. We provide marked-up drawings, showing actual measurements of all machined dimensions and features, as standard.

We are also happy to provide custom inspection reports, host third party inspections and add witness points to quality plans, when required.

HEAVY MACHINING WITH PROVEN PRECISION

Precision-made parts ensure greater dependability, reliability and functionality. We understand the end value of your project, and appreciate that the parts we work on are instrumental components of something bigger. It's important to us to get it right first time - meeting your delivery schedules, specification and budget.

- Our inspection is rigorous and reliable, and takes place in our temperature-controlled inspection room, or in situ on machine tools.
- All our machined components are verified throughout production and at completion.
- We can provide calibration reports for machine tools, giving you the confidence that our machines are performing within their accuracy specifications.

FARO ® INSPECTION

We use the world's most innovative, portable 3D measurement machines to prove, test and certify the precision and quality of our work:



FAROArm ® 6-axis Quantum 12' with accuracy
 $\pm 0.060\text{mm}$ ($\pm 0.0024''$)



FAROArm ® 6-axis Prime 10' with accuracy
 $\pm 0.059\text{mm}$ ($\pm 0.0023''$)



FARO ® 3D Laser Tracker Vantage, up to 50m (164') with accuracy
 $\pm 0.015\text{mm}$

Data processed through Cam2 Measure 10 software

ADDITIONAL SERVICES

We also have the skills and resources to provide:

- Experienced mechanical engineers to take assemblies out of service, including the stripping, refurbishment/repair and replacement of parts, complete with inspection and full report
- MMA, MIG and TIG welding of mild steel, stainless steel, alloy steels
- 4m² spray painting facility, serviced by 20 tonne overhead crane
- Hydraulic pressure testing (to 700 Bar, 10,000 PSI)
- Our own transport up to 16 tonnes

OUR COMMUNICATION CHANNELS ARE ALWAYS OPEN

As a family business, we believe communication is key – it keeps projects moving, helps working relationships to flourish and reassures you that we are on target.

Not sure if your project is achievable?

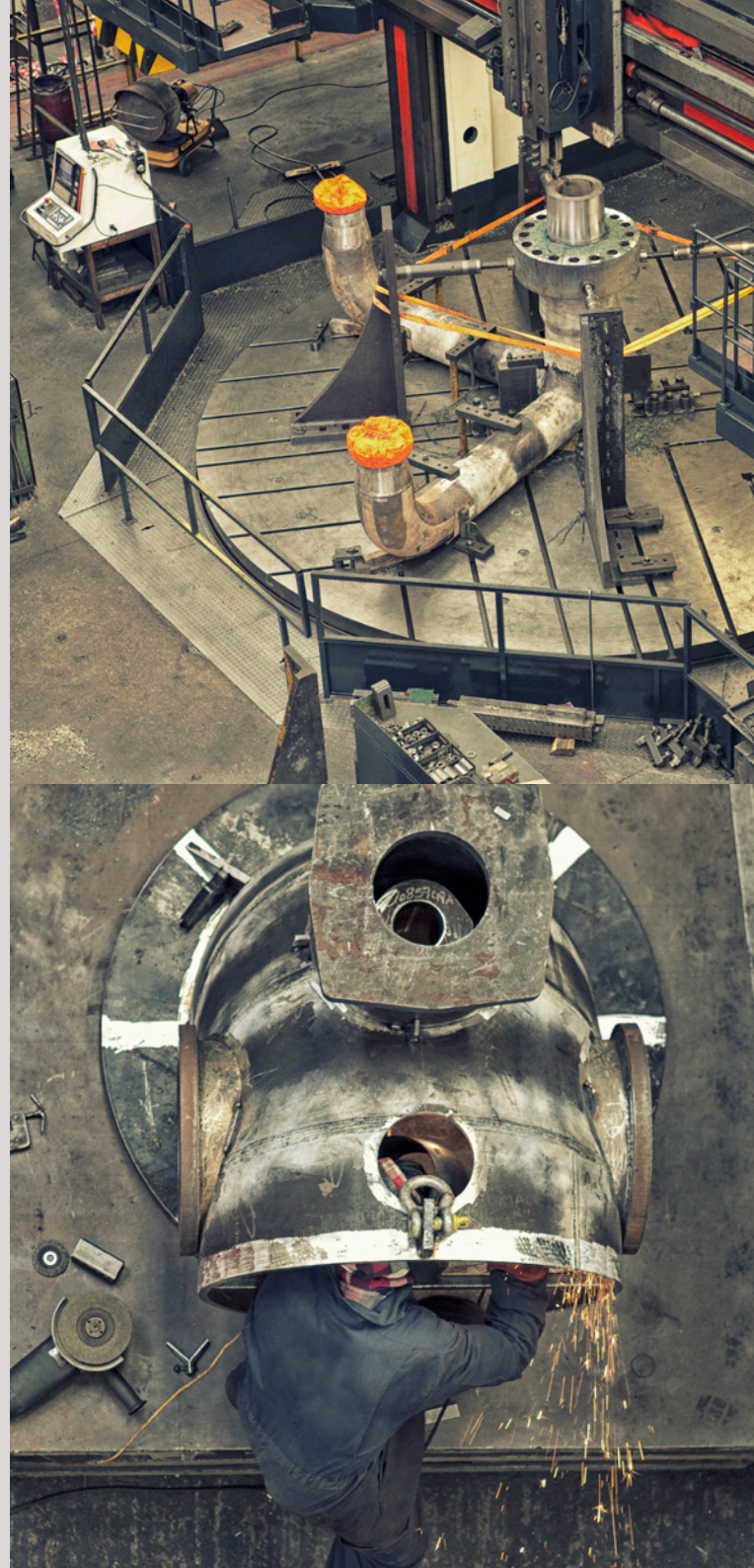
We'll work with you to develop a prototype, overcoming engineering challenges to meet your required specifications.

Want to visit our site?

We understand how much you invest in each project and welcome site visits at any point during production. We also provide regular progress reports to keep you updated.

Consistent, named contact

It's important to be able to speak to the same person throughout your project, and to know who to speak to next time.



Tees Components have been a strategic supplier to our company for many years. We have enjoyed a long and successful trading history based on transparency, trust and their ability to manage our requirements to the highest quality standards.

Gilbert, Gilkes & Gordon

The Tees Components team offer a great service from enquiry to delivery. I have visited them several times to see my projects undergoing machining and am still surprised by their capacity and capabilities.

Renown Engineering

Tees Components are our preferred choice for any medium to large subcontract machining assistance, their recent investment in machine tools and crane upgrades have greatly increased our supply chain's capabilities and their knowledgeable and friendly staff make it a pleasure to do business with them.

TSP Engineering

OUR APPROVALS INCLUDE:

- Siemens
- Rolls Royce
- GE Power
- Sheffield Forgemasters International
- Goodwin Steel Castings

INDUSTRY STANDARDS

- ISO 9001
- ISO 14001
- Excellent HSE standards
- We often work with international clients, and commit to fostering high international standards of ethical operations
- Due to the sensitivity of some of our projects, we promise compliance with customer security and confidentiality requirements

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