

engineering excellence since

**1980**

## KSW Engineering engineering excellence since 1980

KSW has an excellent reputation in the worldwide market for being one of the most experienced and professional companies in the engineering sector.

Our sophisticated machining technology, coupled with our highly skilled workforce, enables us to take on the most complex of jobs.

KSW's total commitment to providing products and services that exceed client's expectations has enabled us to become an integral component of the clients we serve.

We are always willing to undertake innovative challenges and are highly respected in the market for utilizing our machines to their absolute limit in terms of complexity and capacity.

To maintain our status as a leader in our sector, we are committed to our continued investment programme in machine tools and IT systems, whilst anticipating and meeting the demands of our customers.

### horizontal boring

KSW has invested heavily in its horizontal boring capacity and we are now capable of manufacturing up to 15 tons in weight with a cube capacity of 90 inches (2300mm).

All machines are equipped with their own contouring heads and have a full range of outfacing bars available for internal deep bore profiling.

Our continued investment enables us to manufacture a broad range of components to unparalleled levels of quality and accuracy, from intricate valve blocks to complex Inconel 718 Tubing Hangers.

### turning

KSW has vast experience in turning a broad range of materials from nickel alloys to carbon steels and we are proud of our reputation in this key area.

Depending on component type, our turning machine tools can manufacture up to 15 tons in weight within Ø63" (Ø1600mm) with Ø48" (Ø1220mm) over the slide for a maximum length of 315" OD / 173" ID (8000mm OD / 4400mm ID).

All machines are equipped with Steady's which can handle up to Ø48" (Ø1220mm) and a full range of anti vibration bars up to 2900mm in length.



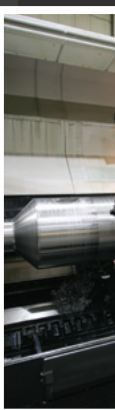




## vertical turning

KSW offers clients an extensive vertical turning service from complex Inlayed Housings to plain and simple heavy turning.

Depending on component type, we can manufacture up to 8 tons in weight within Ø60" (Ø1500mm) for a maximum height of 70" (1770mm).



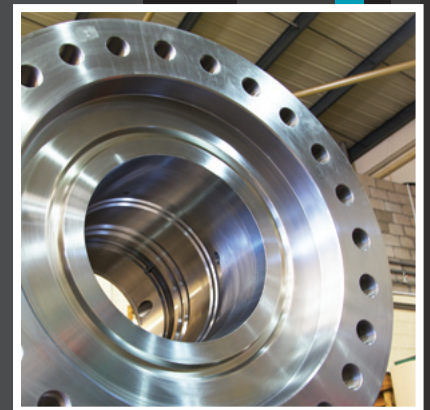


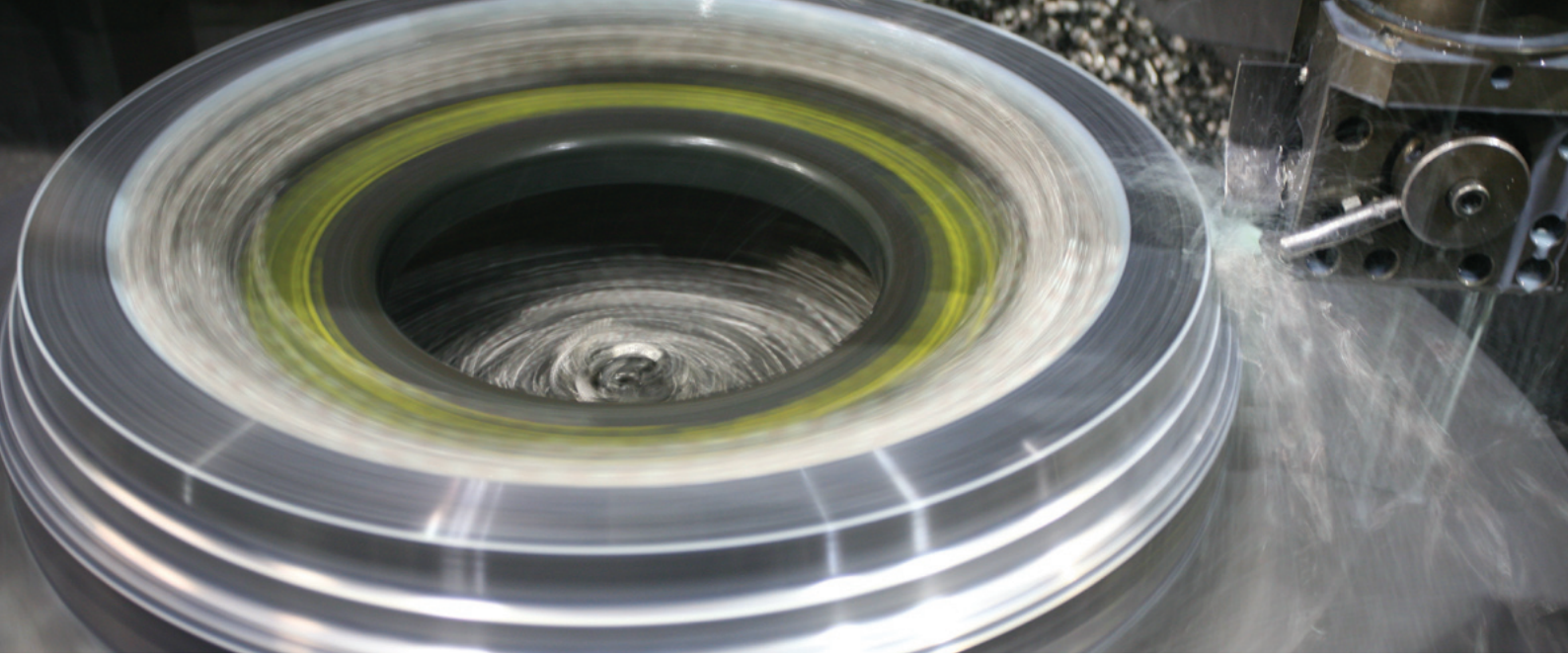


## programming

With over 44 years of engineering knowledge, our programmers can produce information for machine and operator straight from the customer component drawing.

All our machines are supported with full (DNC linked) 3D Gibbs CAD /CAM and Expert CAD /CAM programming facilities. This powerful software enables us to get our clients' projects through onto the machines with superb accuracy and speed, and thanks to our wireless Multi-DNC system, programs can be instantly sent to the machine tools.





## quality assurance

Quite simply, quality is paramount to KSW.

Our client base comprises of some of the world's leading companies.

Our aim is to ensure that all machining and manufacturing services carried out, consistently meets or exceeds our customers' expectations. We seek to achieve consistency and reliability, which in turn allows us to carry out contracts to specification and within specified time-frames.

We are proud to hold BS EN ISO 9001:2008 status. However, we use this as a foundation from which we build on our exemplary quality standards.

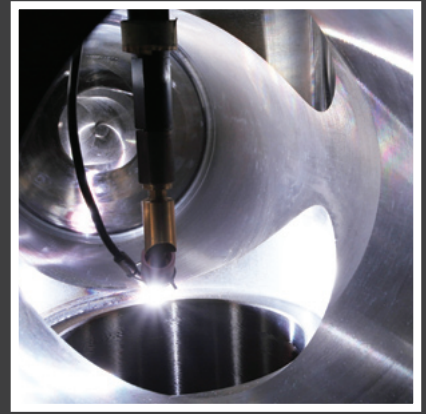


## welding

KSW can offer its clients Full Clad Welding Services. Two state-of-the-art Fronius ETR-S Welding Systems, mounted on 4m x 5m column and booms with 20 tonne turntables allows KSW the flexibility to weld a wide range of large and small components.

This equipment is coupled with experienced welding personnel and a full suite of procedures qualified to international standards.

In line with the KSW philosophy, the equipment and personnel allows KSW to tackle the most demanding jobs and customer requirements.



## non destructive testing

KSW provides a range of Inspection & Non Destructive Testing ( NDT) services to clients in the oil and gas industry. Our services are provided by highly trained, experienced & qualified personnel.

### Inspection capabilities are :

- Ultrasonic Inspection & Testing
- Magnetic Particle Inspection ( MPI )
- Liquid Penetrant Inspection ( LPI )
- Positive Material Identification ( PMI )
- Welding Inspection
- Overlay Thickness Measurement

Services can be carried out at our facility here in Glenrothes or at client premises.

Personnel qualified to PCN II, ASNT II, & CSWIP

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