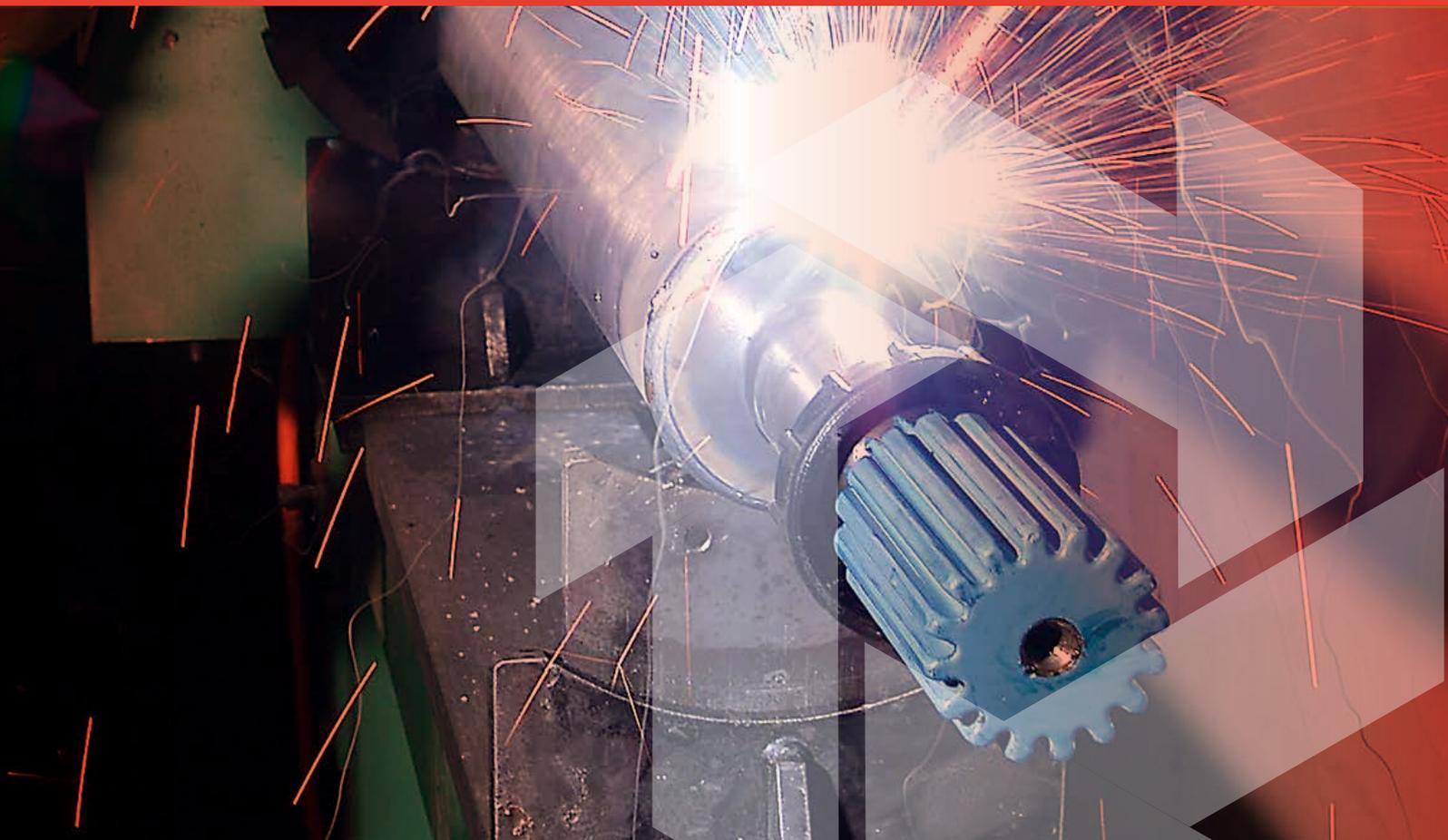
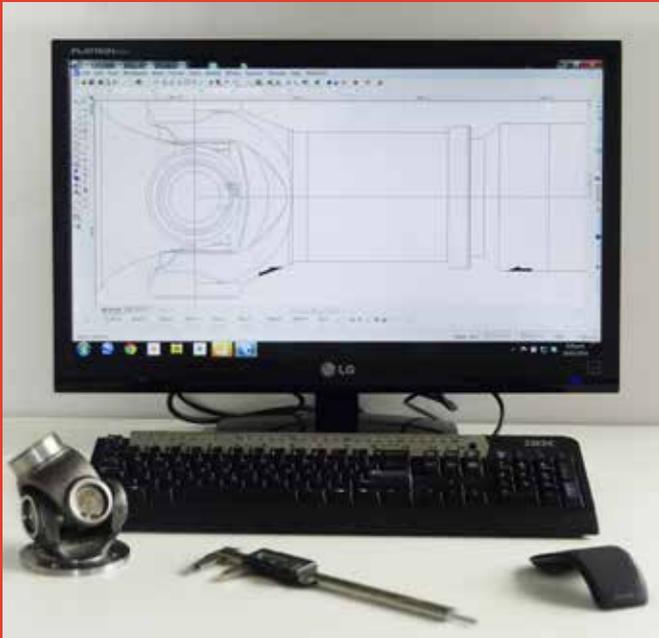


## Keeping you at the forefront of driveline technology.

Turret Technology brings together the complete package of design consultancy, quality componentry and engineering expertise to deliver innovative driveline solutions that customers can rely on. Carrying forward the wealth of experience gained from over fifty years of serving the driveline market we deliver products that resolve industry challenges effectively and incorporate advanced features to keep pace with modern day needs. This often involves our design engineers making an assessment of site or machine operating conditions and

confirming angle and alignment parameters before calculating and designing a practical customised solution. These special projects are handled seamlessly and efficiently in-house from computer aided design & parts procurement through to machining, assembly and balancing. Modern workshops are set up with a selection of lathes, machining centres, automated rotational welders and several dynamic balancers. These resources cater for all sizes and types of driveline so whatever field you're in Turret Technology will keep you at the front.





## DESIGN

Intelligent design of a driveline is very critical to ensure on-going reliability. It is important that the power source, speed and universal joint angle are ascertained prior to specifying a shaft to suit any situation. Whether your requirement is for a precision coupling with less than 7Nm of torque or a large industrial shaft to transmit in excess of 2600KNm Turret offers a full consultation and design service so your custom requirements can be met with products that deliver optimal performance.

- ⚙️ Specifying Shafts
- ⚙️ Angle/Speed Calculations
- ⚙️ Problem Solving – Vibration, torsional & reliability issues

## MANUFACTURING

Turret Technology has the resources, skill and expertise to produce all types of drivelines from automotive through to heavy industrial driveshafts. We can even manufacture to classification society rules should this be required. You can be guaranteed the highest level of engineering excellence and commitment to quality when you choose Turret Technology.

- ⚙️ Driveshafts—Sealed for Life, Short-coupled, Two-piece
- ⚙️ Centre bearing shafts
- ⚙️ Custom design components.



## MODIFICATIONS

Due to the wide range of special purpose vehicles & equipment needed to meet the demands of industry we offer a modification service for all types of drivelines including shortening, lengthening and changing drive ends. Contact Turret Technology for -

- ✦ Driveshaft shortening
- ✦ Driveshaft lengthening
- ✦ Changing flange connections
- ✦ Upgrading



## REBUILDING

Regular servicing provides an economical solution to increasing the life of the driveline. Rebuilding rather than replacing the driveline is also very beneficial in the reduction of operational costs.

Turret Technology's rebuilding services cover -

- ✦ Spline replacement
- ✦ Replacing Yokes
- ✦ Universal Joint Replacement
- ✦ Re-tubing
- ✦ Straightening
- ✦ Centre Bearing replacement



# BALANCING

The dynamic balancing of all drivelines is a very crucial part in the manufacturing process.

Turret Technology operates four balancing machines to cover the needs of a diverse range of applications. With drivelines spinning at higher rpm's than ever before it is important that they are balanced to the finest of tolerances.



Weight attachment welder in front of dynamic balancer



# DRIVELINE SERIES DATA

SERIES	CUP DIA.	LENGTH	STD FLANGE SPIGOT	STD FLANGE PCD	CONTINUOUS TORQUE	SHORT DURATION TORQUE
	mm	mm	mm	mm	Nm	Nm
1310	26.99	81.76	60.30	79.40	176	995
1350	30.16	92.08	69.60	95.30	286	1609
1410	30.16	106.35	69.90	95.30	339	2040
1510	39.70	115.90	95.30	120.70	498	3120
1610	47.63	134.94	168.30	155.60	867	4050
1710	49.21	154.78	196.90	184.20	1220	9250
1810	49.21	191.69	196.90	184.20	1695	16500

\*These figures are a guide only and we recommend contacting Beattys Driveline Technologies when specifying a driveshaft.

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