



# Redback™ Drilling Tools & Manufacturing

Manufacturing and Inspection Capabilities

Member of the SGS Group



# Capabilites and Services

Redback™ Drilling Tools & Manufacturing is part of the SGS Group and is a leading designer and manufacturer of precision machining equipment in Australia. We offer you unrivaled expertise and a reputation for providing quality precision machining equipment from our manufacturing facilities located in Wingfield and Moomba, South Australia.

## About Redback™ Drilling Tools & Manufacturing

Redback™ Drilling Tools & Manufacturing has been a leading designer and manufacturer of precision machining equipment in Australia since 1981. We are a subsidiary of the SGS Group and are part of a range of solutions provided for the Industries sector.

Our honesty, integrity and no-nonsense approach to business are how we build strong customer relations.

At the core of our business, we make use of modern CNC machines supported by robotics to ensure that our parts are of high precision and high quality.

With over 125 years of experience in our management team and a wide range of products and services, Redback™ Drilling Tools & Manufacturing deliver top quality equipment to the field, on time, every time.

## Facilities

Our manufacturing facilities situated in Wingfield and Moomba, South Australia, are known for delivering precision products and outcomes. Holding licenses for the repair and manufacture of standard and premium OCTG threads, as well as catering to the oil and gas, general machining, and mining industries, we are dedicated to supporting your operations with tailored solutions.

## Capabilities

We work with a comprehensive list of capabilities for all your manufacturing and inspection needs.

- High Precision CNC Turning
- High Precision CNC Milling and Machining Centres
- Threading Licenses
- Wellhead Manufacturing
- Welding
- Quality Assurance
- Non-Destructive Testing
- Engineering and Designs
- Inspection
- Repair
- New Manufacturing
- Make Up and Break Out Connection

## Quality Assurance

Our products are manufactured under close supervision from our quality team that work under the Quality Management in Compliance to ISO 9001 and API Q1.

All materials used in manufacture are certified and traceable. For further peace of mind, we can provide full document packages along with our certificates of conformance.

## Engineering and Designs

Our qualified engineering team is happy to work with clients and can provide support as follows:

- 2D Drafting for complete manufacture
- 3D modelling and Rendering Services
- Oil and gas design to API standards
- General engineering design
- Full design and development packages compliant to API requirements

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# Capabilites and Services

## Locations

Our state-of-the-art Wingfield facility, based in South Australia is our primary manufacturing base on an area of 11,130m<sup>2</sup> with a workshop area of 2,830m<sup>2</sup> and a storage space of 680m<sup>2</sup>. It also produces the industry renowned Redback Roller Reamer.

Our Moomba facility, based in South Australia, spans an area of 7000m<sup>2</sup> with a workshop space totaling 450m<sup>2</sup>. This site is dedicated to supporting the resource industry, specialising in repairs and custom manufacturing/machining for clients.



## Welding

We maintain a fully equipped welding shop to cater to all types of precision machining equipment. Our welding capability ranges from:

- Structural welding
- Hardfacing
- General Fabrication
- Repair and rebuilding of worn parts

## High Precision CNC Milling and Machining Centres

There are seven mills and machining centres available to machine complex geometries. Three of these machine centres are automatically fed raw material using advanced robotics to produce complete parts.

### Machines Available

- Largest milling table : 1245mm x 1245mm square with 3,000kg weight limit

## High Precision CNC Turning

### Machine Capacity (Overview)

- NATA accredited testing conducted locally in Australia
- ISO 9001 certified

### Machines Available

- Mazak Powermaster
- Mori Seiki LL7
- Mazak QTN400-II
- Dainichi DL-95
- Daewoo Puma12L-B
- Mazak STN550N

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# Capabilites and Services

## Wellhead Manufacturing

### API 6A Components

Redback™ Drilling Tools & Manufacturing is licensed for the manufacture of API 6A equipment such as:

- Flanges, Treecaps, Spools, Flowcrosses, Tubing Hangers, Casing Hangers and more.

## Threading Licenses

Gearhart United is licensed to cut API 5B and 7-2 connections, we also maintain threading license for Grant Prideco, JFE and Tenaris.

- Standard Oil Field Connections: EUE, NU, IJ, BTC, NC, REG, FH
- Premium Oil Field Connections: GP-HT, GP-XT, GP-DS, JFE-FOX, JFE-BEAR, Tenaris Hydril Wedge 500 Series

## Certifications

Our robust quality management system is audited and certified to meet API and ISO 9001:2000 international specifications. Our manufacturing processes utilise certified and traceable materials, guaranteeing the highest levels of quality. We provide a comprehensive certification package for all our products, offering you added reassurance

## Quality & Associations

- ISO 9001
- DTC Training Membership
- API Certified

## Non-Destructive Testing

For peace of mind, we offer in house Non-Destructive testing to detect issues with products. The in-house testing services are:

- Magnetic Particle Inspection
- Liquid Particle Inspection
- Visual Inspections to DS-1
- Hardness Testing
- Pressure Testing

We also have strong working relations with NATA laboratories for further testing methods such as Radiographic Inspection, Gamma Ray, Ultrasonic and Mechanical testing.

Learn more about how we can meet your manufacturing and repair needs at Redback™ Drilling Tools & Manufacturing

## Contact Us



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