

CAPABILITY STATEMENT

API Q1 CERTIFIED SERVICES
WORKSHOP & MACHINE SHOP

TEK Engineering provides integrated engineering, manufacturing and maintenance solutions for the oil & gas, natural resources and renewable energy sectors.



**CANNING VALE,
WESTERN AUSTRALIA**

ABOUT TEK ENGINEERING



TEK Engineering is a Western Australian, privately owned company specialising in the provision of workshop and machine shop services. Our facility in Canning Vale delivers end-to-end solutions, including engineering design, manufacture, repair, testing, refurbishment, storage and tool rental — all under one roof.



Safety

A strong commitment to safety in everything we do.



Quality

Investing high-quality outcomes that exceed expectations.



Reliability

Trusted by clients across Australia and beyond.

OUR CAPABILITIES

- ✓ Engineering Design & Drafting
- ✓ Pre-Assembly Make-up
- ✓ Pressure Testing
- ✓ System Integration Testing (SIT)
- ✓ Factory Acceptance Testing (FAT)
- ✓ API & Proprietary Connection Threading
- ✓ Asset Manufacture, Repair, Refurbishment & Storage
- ✓ Tool Rental

KEY CAPABILITIES

- ✓ **Oilfield Threading**
 - Rotate Shoulder Connections
 - Tubing Connections
 - Casing Connections
- ✓ **Offline Make-up**
 - Fully Rotational Bucking Unit
 - Up to 22"OD at 100,00 ft-lb
 - Torque Turn Analysis
- ✓ **Gas and Hydrostatic Testing**
 - Large Test Bay
 - Analogue & Digital Recording
 - Flushing & Fluid Cleanliness
- ✓ **Mousehole**
 - Providing safe vertical manipulation and well simulation testing

INTEGRATED FACILITY

- ✓ **Integrated Machine Shop & Workshop**
 - Total site area = 6,800 sqm
 - Indoor high bay workshop area – 2,000 sqm
 - 3x10 MT and 1x 20 MT Bridge Cranes
 - Offices
 - Multiple CNC machines and general fabrication tooling

SERVING INDUSTRIES THAT POWER THE FUTURE

API Q1 CERTIFIED

OIL & GAS

NATURAL RESOURCES

RENEWABLE ENERGY

CONTACT US

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TECHNICAL CAPABILITIES

Manufacturing, Repair & Services



MANUFACTURING

- Crossovers, Drill Pipe, Casing and Tubing Pups
- Lift Subs
- Saver Subs
- Circulating Subs and Waterhead Bushings
- Side Entry Subs
- Flow Couplings and Blast Joints
- Test Caps and Plugs
- BOP Test Tools
- Drift Mandrels
- Bespoke Specialist Tooling

MATERIALS & FINISHES

- API 7-1 / API 6A / CRA materials
- Manganese Phosphating
- Copper Plating
- Other Material and Surface Treatment options available to suit specific applications

THREADING LICENSES

- API 7-1 Monogram
- Proprietary Rotary Shouldered Connections
- Proprietary Casing & Tubing Connections



BUCKING SERVICES

- Offline tubular preparation that keeps rigs focused on drilling and tubular running.
- Fully rotational machine for fast, accurate makeup and breakout of premium and non-premium threaded tubulars.
- Floating head and tailstock accommodate offset connections.
- Hydraulic clamps handle 2 3/8–22 in OD without changing jaws.
- Calibrated to thread manufacturers' guidelines and tolerances
- Soft non-marking jaws for CRA tubulars.
- Bespoke adaptors support 42 in hole opener BHA's, surface flow trees and wellheads.

TORQUE CAPACITY
100,000 ft-lb

TESTING SERVICES

- Pressure Bay with integral hydraulic panel up to 30,000 psi.
- Accommodates assemblies up to 20 x 3 m
- Testing Mediums: inhibited fluid and nitrogen.
- Calibrated digital and analogue recorders.
- Flushing and fluid cleanliness analysis.
- Accumulator and hose testing
- Borescope
- MPI, ultrasonic, load and electrical testing available upon request.
- Mousehole: 9.560 in ID x 10.2 m depth

PRESSURE TESTING
up to 30,000 psi

FIELD SUPPORT

- On-site Services
- Mobile Hydraulic Test Units
- Mobile Flushing Units
- Fluid Cleanliness Analysis
- Rental Assets
 - Mobile Blast Barriers
 - Drift Mandrels
 - Drilling Subs
 - Test Fixtures
 - Other Drilling Tools available

ASSET SUPPORT

- Asset refurbishment, testing & recertification
- Long / short term storage coverage
- Integrated engineering, manufacture, repair and testing support services



QUALITY ASSURANCE



API Q1 CERTIFIED SERVICES, WORKSHOP & MACHINE SHOP

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