

BRADKEN

MANUFACTURING FACILITIES



Bassendean, WA

Introduction

Bradken's Bassendean facility was established in 1956 and is one of the largest and best equipped engineering facilities in Australia. The Bassendean facility has been at the forefront of implementing cutting edge technology in the manufacturing and refurbishment of products for mining, rail, resources, processing and construction industries.

The personnel at the Bassendean facility cover a wide range of technical expertise and have extensive experience in their respective fields, ensuring the fulfillment of a wide variety of engineering, fabrication and refurbishment services for our customers.



Manufacturing Capabilities

Bradken Bassendean facility can cater for all heavy jobbing work with the following equipment and services available:



Key Features

- 130,000m² of covered floor space and 33,000m² of non-covered, hard standing area
- Dual lift crane with a 75 tonne capacity and a maximum under hook height of 10.8m
- CNC plasma cutter with a 9m by 2.8m cutting envelope
- Stress relieving furnace with a 18.3L x 4.7W x 4.7Hm capacity and a maximum temperature of 700°C
- 1.75 tonne capacity vacuum furnace with nitrogen quench
- Pressing capability from 150 to 800 tonne
- Capability to roll plate up to 3.2m wide and 50mm thick
- Heavy fabrication capability including mammoth (6m), senior (4m), junior (3m) and tandem submerged arc welding
- Cylinder rotating capacity of 150 tonne and 6m diameter
- Vertical boring capability of up to 25 tonnes and maximum turning diameter of 5.5m
- Floor borer capability with a maximum of 10m horizontal and 4m vertical travel
- Horizontal boring capability with a maximum of 4.2m horizontal and 2.5m vertical travel
- Paint facility with a 11.9L x 8.0W x 7.0H m capacity
- Steel grit and garnet grit blasting room with a 4.8L x 5.8W x 4.2H m capacity
- Laboratory services including: MT, UT, PT, metallographic preparation and analysis

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Products Manufactured On-Site

Duaplate® & Vidaplate®: Bradken's premier abrasion resistant chromium carbide overlay plates.

Duablock®: A superior wear resistant white iron casting that is metallurgically bonded to a mild steel backing plate.

Duaceramic™: A composite material combining exceedingly abrasion resistant alumina tiles with an impact resistant polyurethane to provide a tough, long life wear liner.

Bradken Blades: Includes the manufacture and heat treatment of blades for dozers, graders and loaders.



Manufacturing Services

Duafab: The complementary fabrication service located on-site for the fabrication of Duaplate and Vidaplate.

Rail wagon fabrication and refurbishment: The on-site resheeting, repair and manufacture of ore wagons.

Bucket & shovel fabrication and refurbishment: The Bassendean facility has the capability to manufacture and refurbish all buckets and shovels, regardless of size.

Grinding mill and crusher refurbishment: The on-site overhaul and refurbishment of an extensive range of mineral processing equipment, including SAG mills, ball mills and crushers.

General fabrication and refurbishment: Specialised fabrication and refurbishments of a range of consumables for the mining, rail and mineral processing industries.

Machine shop: For the machining of large and small precision components including trundle wheels, rigging components and crawler shoes.



SAI Global Recognised Facility

At Bradken, we recognise that safety, the environment and quality are of paramount importance. The Bassendean management system is certified to the International Quality Systems Standard, ISO9001 and International Environmental Standard ISO14001.



Certified
Environmental
Management

ISO 14001
Lic C10131
SAI Global



Quality
Endorsed
Company

ISO 9001
Lic QEC0007
SAI Global

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