

BRADKEN

MANUFACTURING FACILITIES

Bradken - Darlaston



Darlaston - single source supply:
Pattern, casting, machining and
assembly



Automated shell moulding



Typical shot blast components

Bradken's Darlaston foundry has a history of more than 150 years continuous operation in metals, melting and casting products. Today Darlaston foundry is a European leader in shot blast and surface preparation components and a major supplier of small wear and heat resistant castings to the power, cement, pumps, mining, general engineering, mineral processing and quarrying industries. Quality castings are produced in high chrome iron, nihard iron, tool steels and high and low alloy steels.

Manufacturing Capabilities (Overview)

- Bradken operates a continuous improvement program and maintains specialists at each facility to drive improvements and efficiencies
- Weight Range: 0.5 to 250kgs
- SO 9001-2008 and ISO 14001 certified world-class foundry
- Castings, heat treatment, machining and assembly
- Moulding techniques include air-set and automatic shell moulding

Key Differentiators

- Single source solutions: patterns, casting, machining and testing
- Solidification modeling / assisted engineering
- Jobbing to large production runs
- Superior surface finish and high dimensional accuracy

Bradken is committed, through continuous improvement, to preventing all injuries, illnesses and incidents; providing a safe and healthy workplace and protecting the environment.

Quality castings, value added services and pride in workmanship.

BRADKEN

MANUFACTURING FACILITIES



Robotic fettling



Mould manipulator



Metal pouring

Facility Information

In business Since 1850

Capabilities

Casting
Machine Shop
Value Added Assembly
Heat Treatment

Metals Cast
High Chrome Wear Resistance
Iron
Ni-Hard Wear Resistant Iron
Tool Steels
High Alloy Steel
Low Alloy Steel

0.5 to 250 Kgs

Air-set and automated Shell
moulding

Flask sizes - 1.2 x 1.2m

Machine Shop Capability

Turning
Vertical Boring
Horizontal Boring
CNC

Heat Treatment Processes

Gas fired heat treat furnace

Normalising
Annealing
Hardening
Tempering
Vacuum

Quality and Process Controls

Magmasoft Solution and Imaging
Hardness
Magnetic Particle
Microstructure
Liquid Penetrant
Chemical Analysis

Ultrasonic Examination
Mechanical Testing
Charpy Impact Testing

Quality Assurance Programme

ISO 9001
ISO 14001



ISO9001: FM 01688
ISO14001: EMS 89701

For more information contact Bradken at powerandcement@bradken.com

Darlaston

Heath Road
Wednesbury, WS10 8XL
United Kingdom
T +44 114 284 1000
3 BKPC SP MKT DARLASTON REV .0

Meadowhall

2 Vantage Drive
Sheffield, S9 1RG
United Kingdom
T +44 114 284 1000