



SURECAST ALLOYS

LEADING SUPPLIERS OF PRECISION MACHINED COMPONENTS

NOT the END

JUST the BEGINNING



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Surecast Alloys Limited
Unit R11, Foundry Road, Langley Park,
Chippenham, Wilts, SN15 1JB

Tel: 01249 446074, Fax: 01249 661548

Email: sales@surecastalloys.co.uk

- **PRECISION sand castings**
- **GRAVITY die castings**
- **With full supporting treatments including testing and X-RAY**
- **CNC Machining Facilities**
- **Welding**
- **Painting and Assembly**
- **Approved to ISO 9001:2000**



Surecast Alloys Capacity List

CAD

Pro Engineer - 3D CAD for part and tooling design

CAM

Sprucam - 4 axis 3D machining from solid for production parts, prototypes, patterns and Dies.

Materials

Cast - Aluminium Alloys—LM25, LM6 etc up to 150kg
Zinc based alloy up to 25kg
Iron—Grey and SG up to 300kg

Machined - Stainless Steel, Aluminium, Iron, Bronze, Resins, Plastics etc.

Precision Sand Casting

Process - Precision hard sand, automated line mould size 1.2m x 1m x 1m.
Shell cores up to 0.9m x 0.9m x 0.5m and 12kg.

Gravity Casting

Manual - Free standing dies or cavity blocks fitted to out standard tables operated by rack and pinion.
Aluminium and zinc based alloys only: up to 25kg.
Hydraulic - Free standing dies powered by our standard power packs up to 35kg.
Pneumatic - Free standing dies air powered for tilt pouring.

Heat Treatment and Testing

Heat Treatment - 4 furnaces and Quench tank—Aluminium to TE, TB7, TS and TF conditions.
NDT- In house real time x-ray, Die Penetrant, Brinel hardness, Spectograph.
DT - Hydraulic tensile—UTS and % elongation.

Quality Control

Certification - To BS ISO 9001:2000 , externally audited
Measurement - Mitutoyo CMM facilities max 0.8m x 0.6m x 0.6m.
Plus custom gauges.

Machine Shop

CNC M/c Centres - 6 off max 1000mm x 510mm x 500mm 4 axis
CNC Lathes - 2off max 355mm diameter, 580 length plus 76mm diameter bar feed.
Manual - Various lathes, mills, multi- spindle production drills, special purpose etc.

Welding

Manual - Full Mig, Tig and Arc welding for fabrication

Assembly (Electro Mechanical)

Department - Dedicated assembly department with manual and pneumatic tools.

Packaging and Despatching

Warehouse - Facility for in house storage JIT, Kanban and Faxban.

If you would like to discuss your requirements please email
sales@surecastalloys.co.uk
or
call Elliot on 01249 446017