



JMC RECYCLING SYSTEMS

For all your metal recycling needs



The LEVIATHAN Heavy Duty Ingot Casting Machine has been developed in our foundry to give trouble free alloy production. Metal is poured from the pouring wheel, and the system accurately controls the volume of metal poured into each mould, consistently producing ingots with minimum dross formation. As the moulds pass around the head of sprockets they invert, allowing the ingots to fall by gravity - assisted by four hammers, two internal and two external, driven off the main chain.

Leviathan

Heavy Duty Ingot Casting Machine.



JMC did not just design these machines, we used them in our own foundries therefore we can personally guarantee from our own experience their quality and reliability.

Having kept on much of the same staff, we can also offer over 40 years of manufacturing experience therefore no one else can better guide or train you in the use and maintenance.

We really offer the whole package!



JMC Recycling Systems Ltd

Unit 2, Harrimans Lane, Dunkirk, Nottingham. England NG7 2SD
Tel: +44 (0)115 9409630, Fax: +44 (0)115 9791478
email: info@jmcrecycling.com web site: www.jmcrecycling.com





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DATA & SPECIFICATION

| | |
|---|---|
| Mould Type: | Aluminium Alloy |
| Mould Dimensions: | TBC. On placement of order |
| Number of Moulds: | 140 or 180 |
| Number of Impressions: (Per mould) | TBC |
| Mould Material: | Ductile Cast Iron |
| Production Rate: | Up to 4 - 7 Tonnes - Dependant on Individual requirements |
| Mould Pre-heat: | Natural gas burners, total maximum heat output 80kw |
| Required Gas Pressure: | 20 mbar Maximum |
| Mould Cooling: | Forced Air Cooling / Water Cooling |
| Cooling Water Collection: | Internal water collection tray |
| Ingot Knockout: | Automatic mechanical dual hammer |
| Pour Mode: | Mechanical pouring bowl or pouring wheel |
| Drive Motor: | 1.1kw / 380-415v / 50hz / 3ph + N + E Can be changed to suit local supply |
| Speed Control: | Electronic Inverter |
| Conveyor Chain: | 160mm pitch bolted assemblies |
| Machine Construction: | Robust steel frame, fully welded construction |
| Safety Features: | Emergency stop/grab wire switches (Sited both sides of machine) All moving parts fully guarded |
| Additional Extras: | Oil pots for constant chain lubrication, water collection tray, pre-heat burners, flame failure device, pouring bowl refractories |
| Dimensions: | (TBC) |
| Approx Weight: | 12,000kg (Approx) |

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180 Mould Air-Cooled Leviathan



Leviathan Air cooling Fans



Ingot stamping system for batch numbering



Knock-out Hammer and Locking pin



140 Mould Water Cooled Leviathan



Steam
Extraction
System

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