A1 Roper
Safe management of molten metal

Foundry Ladles
Design, Manufacture, Service & Repair
Geared Crane Ladles

- Capacities to 65000kg (65 Tonne)
- Spout Options
  - Manual or Motor Operation
    - (Electric or Pneumatic)
- Roper 'Self-Locking' Oil Bath Gearbox
- Roper Bottom Pour Slide Assembly
- Jig Fitted Trunnions
- Gearbox Brake Option
- Proof-Load Tested and Certificated
- European Regulations Compliant
- Class 1 Design Features
- Low Maintenance
Treatment Ladles
for SG-Iron Production via Sandwich/Wire-Feed Process

Type I (T1)
Tall Bodied (2:1) ‘Open-Top’ Ladles for Metal Transfer.

Type II (T2)
With Tundish Cover c/w Filling & Metal Transfer Facility.

Type III (T3)
With ‘Lifting’ Tundish Cover, as T2 but with Pouring Facility.

Custom Ladles
Custom design ladles to suit most applications and designs. Up to 65 tonnes.

Motorised Geared Ladle
Available with pneumatic or electric geared motors with remote control for safe operation.
Barrel and Drum Handling Device
Specially designed for safe handling with double steel adjustable banding hoops that securely lock the barrel between heavy gauge suspension arms.

Geared Drum Ladle
Capacity up to 10000kg, with cover, standard spout or teapot spout (as pictured).

Flexible Ball Bearing Trolley
For use on Monorail Systems. Available in 4 wheel 1000kg capacity and 8 wheel 2000kg capacity.

Geared Ladle
Capacity 175-750kg to suit standard ladle hoists, fitted with oil bath gearboxes or manual lever tilt.

Moulding Boxes
Roper Self-Locking Gearboxes
Ladles for Forklift Operation
Bottom Pouring Slides
Ladles for Most Materials
Hot Metal Receivers
Ung geared Ladles

Ladle Hoist
Features include:
Special swivel type Safety Hook with spring loaded jaw, deep nut and ball thrust bearing. Spring operated pawl enclosed by guard. Extra large friction disc brake for maximum safety. Capacity up to 1000kg.
Zero Harm Ladles

Safe molten metal management
Fully automated remote ladle operation
Removing the operator from risk
Zero accident tolerance!

A1 Roper have partnered with Balfour Beatty in their Zero Harm Initiative for industry-leading standards of health and safety.
We are proud to offer the World’s first Zero Harm Certified Foundry Ladle.

Ladle Pan:
- Centreband c/w fully-machined Trunnions
- Trunnion Splash Guards
- Spout (1) for Deslagging
- Fan-Bail Catch for secure transportation

Lifting Bail:
- Bolted construction
- Cross Members c/w Lifting Eye and Heat Shield
- Side Members c/w Bearing and Fixing Bushes

Motorised Gearbox:
- Roper Oil-Bath Gearbox
- 0.75KW 400-440V 3 Phase Helical Geared Motor
- Motor Brake and Disengaging Coupling

Hydraulic Pump:
- 110V single phase Hydraulic power unit
- Solenoid operated directional valve
- Power unit controlled by remote control

Hydraulic Ram:
- Spring return with heat resistant oil
- Complete with Viton seals

Powered B.P. Slide:
- Hydraulic Pump & Housing
- Cylinder
- Panel
- Fixings
- Wired & Piped
Fully Controllable
High & low heat controls to eliminate overheating with automatic ignition and burner timer.

Wide range of sizes
Various cover sizes available to heat an extensive range of ladles.

A1 Quality
Manufactured to high standards by our British team in accordance with EN746-2 regulation for safety.

Several mounting designs
Heaters can be horizontal, column or wall mounted with upwards, downwards or sideways firing.

Reduce gas heating costs with efficient control systems. Available for use with Natural Gas, LPG and Oil.

Endorsing safe & reliable molten metal management.
Over 90 years of excellence to the foundry industry originating as E.A. Roper & Co. in 1921.
At the forefront of ladle design philosophy & engineering from our UK base in Keighley.
Renowned for the world class Roper ‘self-locking’ oil-bath gearbox.
Acclaimed Roper Slide System for a reliable bottom pour process.
Pioneer of the ‘Zero Harm’ ladle.

A1 Roper employs a highly skilled, motivated & experienced workforce in fabrication, machining and fitting from our Yorkshire base in Keighley, England. We operate with a culture of personal ownership and accountability for quality.