

METAL RECOVERY

Oldroyd Intec have a strong pedigree in the design and supply of equipment for the Metal Recovery Industry. We are specialist engineers servicing the non-ferrous metal industry, whether that is primary metal smelting plants, secondary metal recycling and smelting plants, metal refineries or foundries.

We believe that through experience and expertise we have a compelling set of propositions for our customers;

- Engineered to meet the exact requirements of the customer
- High specification engineering to ensure the maximum lifecycle of the plant
- Direct input into best practices to ensure maximum efficiency of the plant operation



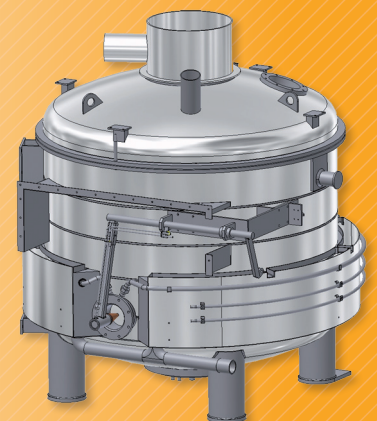
Oldroyd Intec believe in supplying our customers with the complete smelting package, not just the furnace, and we have as much experience and success in the supply of the entire smelting plant as we do the furnaces themselves. We therefore supply the following equipment to complement the design of the furnace and your plant and operation;

- Furnace Charging Systems
- Furnace Burners - normally aspirated or oxy-fuel
- Furnace Doors
- Process Gas Trail including; Hygiene Ventilation, Quench Tower, Spark Arrester, Bag Filter, Fans & Ductwork
- All operation platforms and steelwork
- Mechanical and electrical services including process control and instrumentation control system

ROTARY FURNACES, DC ARC FURNACES & ANCILLARY

Oldroyd Intec are specialists in Rotary Furnace & DC Arc Furnace and Ancillary equipment design. We design and supply the following furnaces to suit your requirements of feedstock, melt cycle and operating temperature with either normally aspirated or oxy-fuel burners.

- Conventional Rotary Furnace – short or long shell with front or side tapping spouts
- Tilting Rotary Furnace – suitable for Aluminium recovery with 20% less salt addition over conventional RF
- Top-Blown Rotary Converter (TBRC) – versatile for higher temperature applications
- DC Arc Furnaces - Suitable for high temperature applications over 1800°C



REFINERY EQUIPMENT

Oldroyd Intec have vast experience of the design and supply of refinery products that enable our customers to efficiently refine the metals to their desired specification, culminating in the production of commercial grade metal ingots. We can work with our customers to design and supply any type of refinery equipment using our engineering knowledge and experience. Typical examples of equipment we have designed and supplied are;

- Refining Pots & Kettles
- Lead Pumps and Stirrers
- Sidewell & Holding Furnaces
- Soft Lead Scrap Docks
- Metal Launderers
- Ingot and Block Casting Machines
- Centrifugal Casting Machines

LEAD ACID BATTERY BREAKING

Oldroyd Intec supply compact very competitively priced battery breakers for 5 Tonne per hour operations based on our own standard design. We can supply the entire plant or re-engineer or replace any part of your existing battery breaker to maximise efficiency and minimise environmental impact. The battery breaking process will provide the following products;

- Lead plates for smelting and refining to lead ingots
- Lead oxide for drying/roasting using a static reverb furnace and then smelting for lead ingots
- Polypropylene for pelleting
- Sulphuric acid for de-sulphurization and treatment to form gypsum or agricultural fertilizer

ALUMINIUM FEEDSTOCK PREPARATION

Oldroyd Intec Ltd have been supplying entire Secondary Aluminium plants for over 20 years. The preparation of the feedstock is critical to the successful process and requires specialized equipment for each type of residue material. We provide the design and supply of the following equipment;

Dross Preparations;

- Dross Breaker
- Dross Separator

Turnings Preparations;

- Oily Turnings Chipper, Centrifuge and Dryer
- Dry Turnings Bailer

Castings & Scrap Preparations;

- Fragmentor
- Sloping Hearth Furnace

