

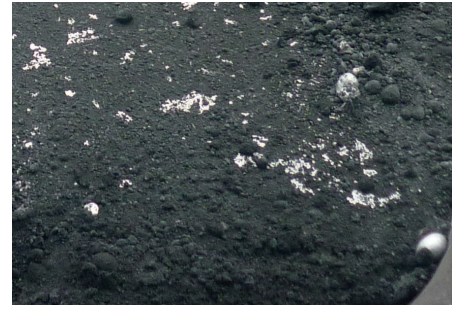


# ALTEK Salt Slag Cooling Press

The ALTEK Salt Slag / Rotary Furnace Slag Cooling Press is based on the same principle as the ALTEK TARDIS Gen III technology but it has several special design features which allow it to accommodate the particular challenge of cooling extremely hot material.

**Maximising Productivity...**

**...REDUCING  
ENERGY,  
DELIVERING VALUE,  
AND REDUCING  
OUR CARBON  
FOOTPRINT**



A high-pressure hydraulic system combined with specially designed press head and pan relationships allow for up to 2.5T to be effectively processed in one cycle. From this, cooling times are significantly reduced, pan procurement costs decrease, and significant aluminium recoveries can be achieved.

The ALTEK Gen III Salt Slag / Rotary Furnace Slag Cooling Dross Press is equipped with the latest technology advancements, including:

- Optimised PC-Based controls with maintenance alerts and system monitoring
- Remote connectivity
- Automated reporting statistics
- Integrated manual and troubleshooting guide
- Enhanced safety feature (door interlock)
- Industry 4.0 compatibility

## Benefits

- Fully automatic
- Industry 4.0 connectivity
- Quick cooling of slag eliminates fumes, and oxidation within minutes
- Formation of nitrides significantly reduced
- Up to 2.5T of slag can be processed in 15 minutes or less
- Pans can be tipped in approximately 5 hours reducing number of pans required compared to natural cooling
- Reduced storage required for cooling pans compared to natural cooling
- ALTEK slag bins are very durable and long lasting
- Significant increase in aluminium recovery % can be achieved
- Environmentally friendly solution to salt slag processing
- Sturdy and durable design
- Little space required
- Low maintenance costs

## Fast efficient process

Hot slag is tapped from the rotary furnace into special alloy, cast steel slag bins. The full slag bin is sent directly to the ALTEK TARDIS Gen III Press where the automatic cycle will begin. After the cycle has finished, the pan set is left to cool for as little as 5 hours before tipping. The pressed salt slag skulls can be stacked easily and neatly, and the metal plating around the slag skulls can be pneumatically picked off and returned to the melting furnaces for re-melting.

## Feature

- **Press head pan relationship** creates a tight seal during the press cycle to eliminate oxidation and fumes, and reduce forming of nitrides.
- **Higher pressure system** compacts large quantities of rotary slag to further aid the cooling process whilst improving the amalgamation of aluminium particles.
- **Fully automatic system** allows for operational ease and quick cycle times to further improve cast-house efficiency.



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