



Part of a bigger picture

# ALTEK TARDIS Gen III

The ALTEK TARDIS Gen III takes the traditional dross press to a new level – combining the proven robust solution with the latest in connectivity and information.

The Gen III 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
- In-house drain monitoring
- Enhanced safety feature (door interlock)
- Industry 4.0 compatibility

### Fast efficient process

Hot dross is skimmed from the furnace into special alloy, two-piece cast steel pan sets. The full dross pan is sent directly to the ALTEK TARDIS Gen III where the automatic cycle will begin. After the cycle has finished, the pan set is left to cool for as little as 1 hour before tipping. The pressed dross skulls can be stacked easily and neatly, and the metal drain ingots formed in the sow moulds are returned to the melting furnaces for re-melting.

### Versatile

Different dross types are produced through varying factors, such as casthouse operation, furnace type, scrap additions, and alloy additions. The ALTEK TARDIS Gen III is well suited to process all these different dross types and the versatile control system can be programmed specifically to the customer's dross being produced. Ultimately this increases overall recovery rates and optimizes the dross press system. With 8 dross press model sizes and over 70 different pan sets to choose from, the ALTEK TARDIS Gen III can treat dross generations from 50kg to 2,500kg (110lbs to 5500lbs) in only 1 pressing cycle. The ALTEK Dross Press technology has been successfully used in primary plants, extruders, sheet mills, die casters, secondary smelters, recyclers and foundries.

### Results

Typically, our customers achieve:

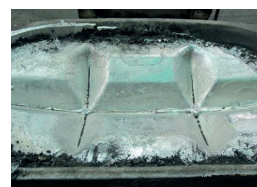
- 5% to 25% in-house drain
- 40% to 70% secondary recovery

The results that can be achieved depend upon the aluminium content of dross coming out of the furnace. The ALTEK TARDIS Gen III is proven to reclaim the highest overall metal yield compared with any competing technology.



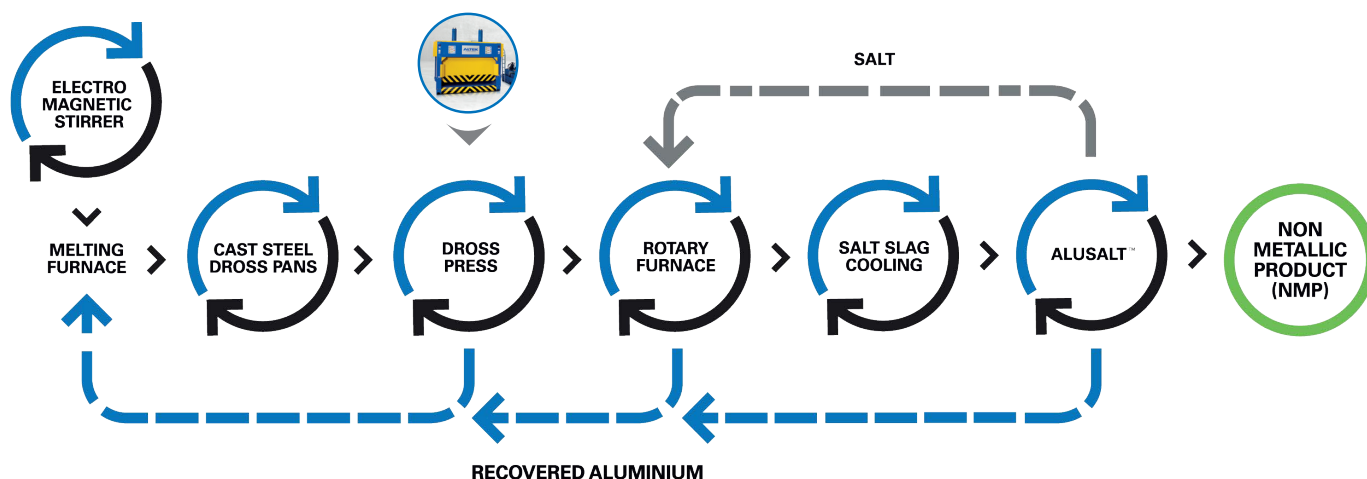
### Benefits

- Industry 4.0 connectivity
- Fully automatic
- Short cycle times
- High recovery rates
- Environmentally clean
- Quick ROI
- Low maintenance costs
- Safe to operate
- Increased overall yields
- Sturdy and durable design
- Little space required



## ALTEK's End-To-End Dross Management Solution

The Tardis Gen III plays a vital part of a larger cost effective sustainable End-To-End Dross Management Solution that can help give a faster return on investment over a much shorter period of time. Typically as little as two years.



**DISCOVER MORE...**

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