The ALTEK TARDIS Gen II is the best press technology to cool your hot dross and obtain the maximum in-house and secondary recovery rates.

**THE SYSTEM..**

Patented, designed and built by ALTEK, the TARDIS Gen II is the best available technology for the treatment of hot dross. Compared to other systems, ALTEK’s dross presses generate the highest combination of in-house drains and secondary recovery rates. The cooling cycles are very short (typically 3 - 8 minutes); it is safe and easy to operate; it is environmentally clean; low in operating and maintenance costs; and occupies very little space. The TARDIS Gen II is designed and built to suit each customer’s special requirements and allow for quick return on investment.

**THE BENEFITS..**

- **Fully Automatic**
- **Short Cycle Times**
- **High Recovery Rates**
- **Environmentally Clean**
- **Quick R.O.I**
- **Low Maintenance Costs**
- **Safe to Operate**
- **Increased Overall Yields**
- **Sturdy and Durable Design**
- **Little Space Required**
THE PROCESS...

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

VERSATILE...

Different dross types are produced through varying factors such as cast house operation, furnace type, scrap additions, and alloy additions. The TARDIS Gen II 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 40 different pan sets to choose from, the TARDIS Gen II can treat dross generations from 50kg to 2,500kg (110lbs to 5500lbs) in only 1 pressing cycle. The TARDIS Gen II 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 TARDIS Gen II is proven to reclaim the highest overall metal yield compared with any competing technology.