



Procedure

Chips are filled manually by forklift truck or by hand in **a lifting and tilting device**. In a fully **automatic process**, the chips are first crushed to a **defined size** and cleaned of adhering oil / emulsion by a **centrifuge** and dried.

From the dried chips, **a magnetic separation stage removes the FE particles** that are undesirable for the melting process.

Perfectly prepared, the chips now reach the **heart of the system → the ARP heating screw**.

This reduces the remaining moisture even further and feeds the chips to the melting furnace at a **precisely controlled quantity**.

Features

Quantity of chips	up to 2000 kg/h Aluminium chips
Shredder	Single-shaft shredder with hydraulic pressing device for processing all common types of chips
Conveyor technology	Scraper belt conveyors, dosing screw conveyors and suitably sized holding hoppers permanently and continuously provide chips of the required quality and quantity.
Chip preheating	Possible by using the waste heat from the furnace chimney or by a separate air heater with gas burner that works independently of the furnace.
Burn-off	Losses due to material burn-off are very low and reach values in the range of 1...3%, also depending on the furnace technology

The specifications are approx. values, considerable variations are possible depending on the chip type. Throughput of other materials on inquiry. Subject to technical changes