

SMARTT Degassing – Foseco's innovative process control for rotary degassing of aluminium alloys



PRESS RELEASE

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Foseco announce the launch of SMARTT-Degassing; an innovative process control for rotary degassing of aluminium alloys.

This innovative rotary degassing process controlled by SMARTT, is a software which is based on the recently developed Foseco Degassing Model that accurately simulates rotary degassing. The operator simply defines a melt quality level and SMARTT predicts the best treatment practice based on ambient conditions, melt temperature, rotor design and alloy composition. The treatment parameters are automatically transferred into the FDU MTS degassing unit. In conjunction with innovative rotor designs SMARTT achieves a constant quality level and reliable results. The SMARTT software determines rotor

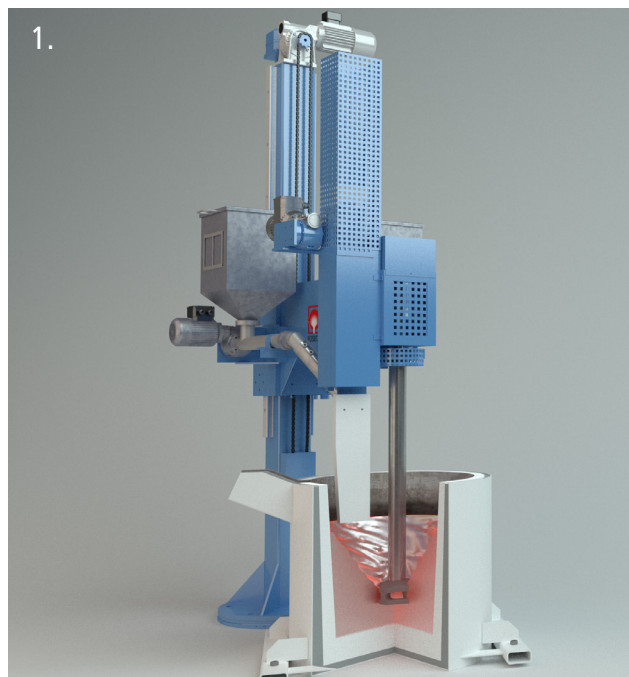
speed, inert gas flow rate and treatment time and transfers this data to the degassing unit before treatment begins. Four different treatment schemes offer opportunities for the foundry manager to optimise his process in various ways – a significant advance in metallurgical control.

Additional benefits of SMARTT are

- + Continuous recording of ambient conditions
- + 20 programs on the operator screen
- + Applicable to almost all types of FDU
- + Suitable for MTS 1500 units with 1 or 2 dosing systems
- + Automatic degassing to a hydrogen target
- + Uppassing with N₂-H₂ mixed gas
- + Data logging of every treatment and all treatment parameters

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(1) Foseco's MTS treatment station (2) Operator screen of new SMARTT degassing process control software unit