

PARASTREAM T25-2

TWIN HOPPER INOCULANT FEEDER

- Quick Change of Inoculants
- Maximum Flexibility
- Minimum Maintenance
- Simple Operation
- Easy Calibration
- No-Flow Detection
- Alarm if Problems Occur
- Precise Repeatability



HOT BOX / DOSING UNIT



STANDARD CONTROL CABINET

CHOICE OF HMI SCREENS
AVAILABLE DEPENDENT ON
SPECIFICATION

The Parastream T25-2 has the unique feature of incorporating two independent hoppers each containing a dedicated grade of inoculant for use on either grey or ductile iron castings. This allows the use of specialised inoculants rather than a “compromise” material.

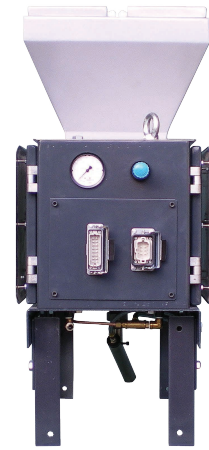
Changing the grade of inoculant for a specific casting when using the Parastream T 25-2 could not be easier. Inoculation grade changes are made by simply switching either manually or automatically from hopper A typically containing standard Strontium based inoculant for grey iron to hopper B typically containing a Zirconium based inoculant suitable for ductile iron.

To prevent contamination at the point of changeover from hopper A to hopper B the feeder screw is automatically purged of any existing material before the flow of a new grade of inoculant is fed into the screw.

1. The Parastream Inoculant Feeder is designed to work on any fully automatic pouring line
2. The quantity of inoculant dispensed can be set directly in grams/per second on the operator touch screen. As inoculants vary in density, the calibration graph can be changed on the operator touch screen for the appropriate density of inoculant.

Dispensing rates of 0.25 up to 200grams per second are available dependent on model.

3. The stainless steel dispensing tube from the fluidising chamber can be rotated through 180° simplifying installation and ensuring the inoculant is dispensed smoothly into the metal stream.



360° INOCULANT TUBE ORIENTATION



4. The choice of either single or twin 25Kg standard capacity hopper is protected from the contamination of oversized material by a 1mm stainless steel safety screen.

Hoppers of 200Kg and above are available.

5. For ease of access the hot box is equipped with two stainless steel ceramic fibre lined door which can be changed to open in any orientation and include stainless steel external heat shields.

6. Both standard Parastream T25-2 and S25-1 can be operated either manually via control desk joystick or automatically from any external signal such as mould line or stopper rod mechanism or both.

7. Can be linked to the foundry's quality control system via RS232. Optional facility to link into thermal analysis or temperature monitoring system.
8. Adaptive inoculation run time allows inoculation to finish before the end of pour time, minimising the amount of inoculant used by not inoculating the mould running system.
9. Automatic cut-off of compressed air if unit is not used for a period of time.
10. Repeatability better than +/- 1%

11. ALARMS

- Low hopper level
- Low flow from screw-feed
- Pipe blocked
- Low air pressure

Local Agent

Paraday Fabrications Limited

31 Enterprise Drive

Sutton Coldfield, West Midlands B74 2DY

United Kingdom

Tel: +44(0)121 353 7223 Fax: +44(0)121 353 1996

e.mail:sales@paraday.co.uk Web: www.paraday.co.uk

PFL