



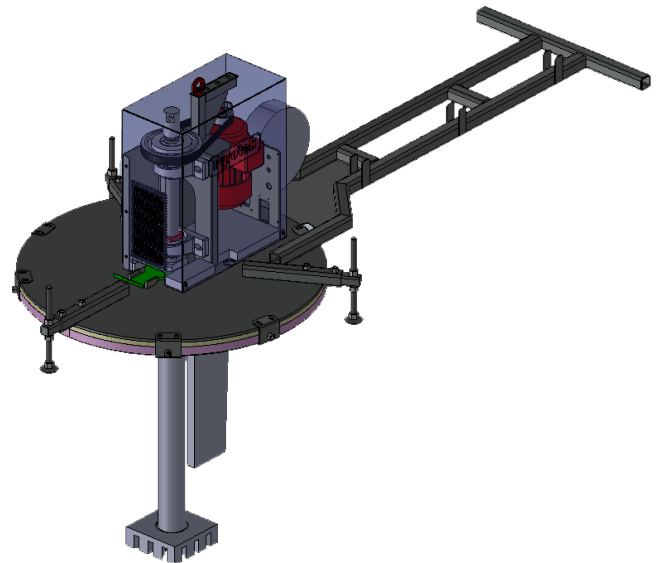
STAR E1000 AND E1500 MOLTEN METAL TREATMENT SYSTEM

PORTABLE FOUNDRY AND DIE CAST ALUMINIUM HOIST DEGASSING SYSTEMS

STAR E1000 and E1500 are rotary degassing systems with a portable drive unit and remote control panel.

The STAR E1500 has a flux-injection module that reduces metal porosity and produces cleaner castings.

Both systems are highly reliable, require limited maintenance, extend consumable product life, and have Shur-Lok couplings for simple shaft and rotor changes.



PHYSICAL PROPERTIES

Property	Value
Dimensions—mm	900 x 1000 x 720
Electric Motor Power—kW	1.5
Gas Supply	Argon or nitrogen
Inlet Pressure—kPa	600
Moisture	<3 parts per million
Oxygen	<5 parts per million
Purity	>99.999%
Power Supply	400 VAC, 3-phase, 25 A, 50 Hz Optional—230 VAC
Process Gas Supply—L/min	12–50
Purge Gas Supply—L/min	6–12
Shaft Rotation—rpm	1–700
Weight—kg	100
Flux Hopper Capacity—kg	25

BENEFITS

- Manual or automatic furnace or crucible treatments
- Durable modular design
- Deublin® rotary union feeds inert gas to the shaft
- Insulated heat shield located under motor mount
- Low maintenance
- Quick release Shur-Lok coupling
- Self-supporting adjustable legs
- Drive shaft bearings for shaft stability and concentricity
- Easily accessible shaft bearing lubrication fittings

SHUR-LOK COUPLING BENEFITS

- Effective gas sealing
- Low gas leakage
- Easy and fast shaft replacements
- Extends shaft product life
- High strength and better cantilever loading capacity
- Improved alignment reduces shaft run out
- Eliminates stress points created by graphite threads

CONTROL SYSTEM BENEFITS

- Simple control panel
- Manual or automatic operation modes
- Password change protection
- Ten preset automatic treatment cycles

OPTIONAL FEATURES

- 400 VAC, 3-phase power supply
- Analog (manual) control system
- Anti-splash shield
- Stand-mounted control panel
- Programmable logic controller system with data collection
- Starburst® or STAR rotors
- Temperature monitoring thermocouple

AVAILABILITY

These products are specially engineered for customers in Europe.

*Starburst is a registered trademark of Pyrotek Inc.
Deublin is a registered trademark of Deublin Company.*





STAR E1000 AND E1500 MOLTEN METAL TREATMENT SYSTEM

FLUX-INJECTION FEATURES

- Automatic lift baffle plate creates a metal vortex that remains active during flux injection
- Flux tank is easy to fill and drain
- Flux is dispensed at the beginning of the degas cycle
- Reliable and accurate flux injection

PRODUCT SPECIFICATIONS-STAR 1000

