

MOBILE SPINNING DEGASSING SYSTEM WITH FLUX INJECTION



The CALGAS 2500 combines the benefits of flux injection and spinning rotor degassing.

This mobile system can be easily relocated anywhere in the plant to provide efficient rotary degassing and flux injection. CALGAS 2500 allows a steady flow of flux below the metal line which promotes oxide entrapment. The combined effect helps improve the quality of aluminium alloys and reduces operating costs.

TECHNICAL DATA

- Electrical
 - Single phase, 220 vac, 50 Hz
 - Total power 5 kW of electrical power is required for the drive motor and the control panel
 - Automatic cycle, dual timers for flux injection and degas
 - Variable speed from 0–600 rpm
- Mechanical
 - Manual push cart
 - Foot operated floor lock
 - Heavy-duty construction
- Gas Supply Requirements
 - Dry nitrogen or argon
 - Incoming gas pressure, 0.5~0.6 Mpa
 - Using pressure, 0.1~0.15 Mpa
 - Process gas flow rate, 0~2.5 m³/h
 - Purity, more than 99.996%
 - Water, less than 3 ppm
 - Oxygen, less than 5 ppm
- Flux Tank Specifications
 - Flux tank capacity, 22 pounds (10 kg)
 - Flux flow rates approximately 1/4, 1/2 or 1 pound per minute (1/8, 1/4 or 1/2 kg)
 - Grain size of flux, not larger than 0.08 inch (2 mm)
- Timer Settings
 - 0–99 minutes

TECHNICAL DATA (CONTINUED)

- Degassing Mode
 - Manual
 - Automatic single degassing
 - Degassing with flux injection
- Furnace specification limit, furnace diameter 16~48 inch (400~1200 mm), depth 20~48 inch (500~1200 mm)
 - Molten aluminium weight 660~3300 pounds (300~1500 kg) each cycle

APPLICATION

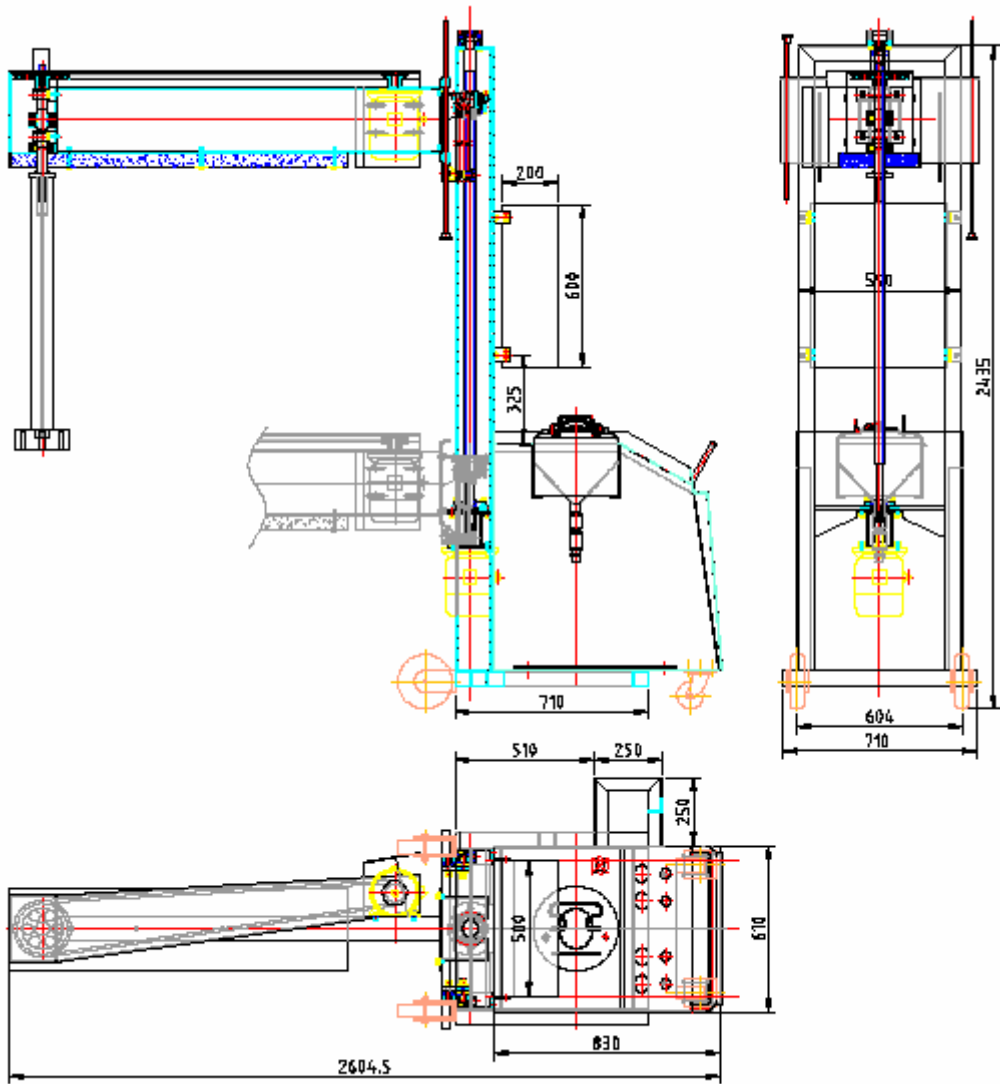
- Crucibles
- Crucible furnaces
- Dip-out wells
- Bull ladles

UNIT WEIGHT

- About 1100 pounds (500 kg)

ADVANTAGES

- Mobile unit is easy to position
- Hydraulic lift eases rotor replacement
- Auto-timer and flashing light notify operator when cycle is complete
- Efficiently uses flux, nitrogen or argon
- Variable speed drive 0~600 rpm, with digital rpm indicator
- Incoming gas pressure detecting, protection function for process gas flow and tank pressure during flux injecting
- Improves casting quality by reducing oxides and hydrogen
- Requires minimal maintenance



Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

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