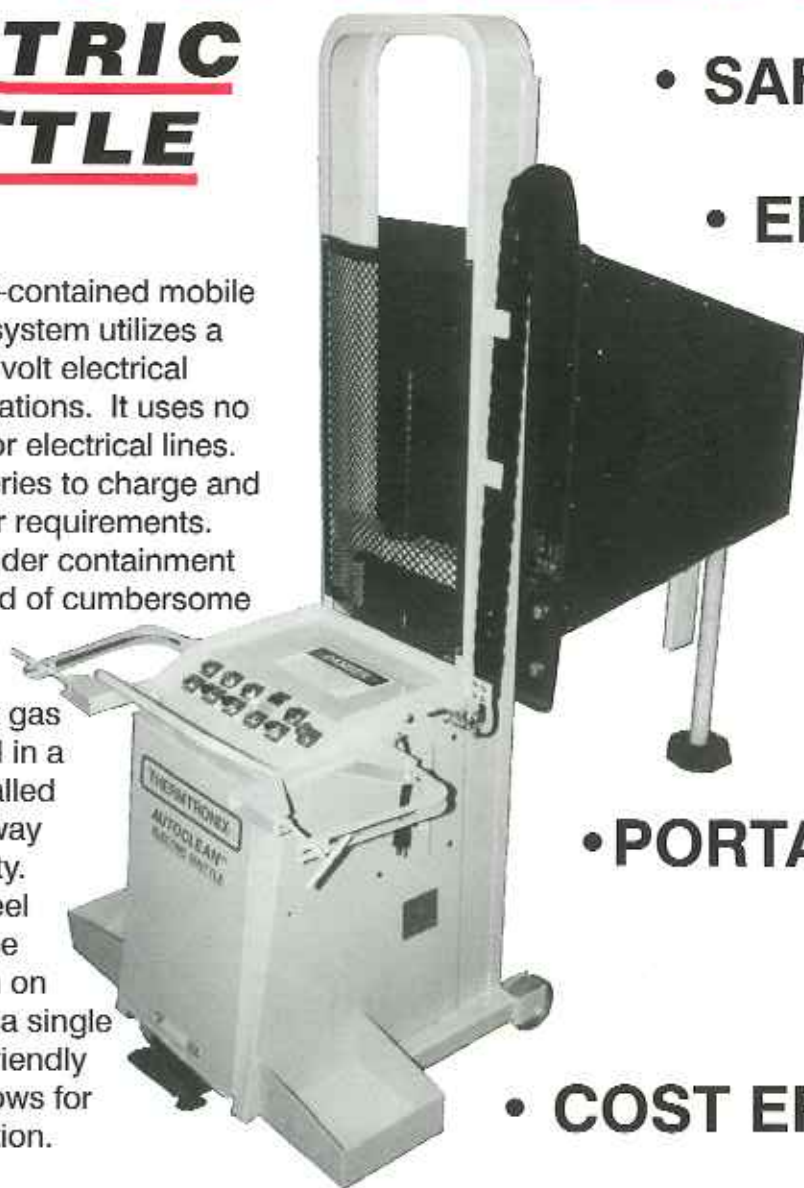


THERMTRONIX®

AUTOCLEAN™

ELECTRIC SHUTTLE

This complete self-contained mobile rotary degassing system utilizes a single plug-in 120 volt electrical source for all operations. It uses no auxiliary controls or electrical lines. There are no batteries to charge and no compressed air requirements. Onboard gas cylinder containment eliminates the need of cumbersome interconnecting gas lines. Both electrical and inert gas lines are protected in a single factory installed retractable cable way for enhanced safety. Large diameter steel wheels assure ease of movement even on rough floors while a single integral operator friendly control display allows for one person operation.



- SAFE
- EFFICIENT
- FAST
- CLEAN
- PORTABLE
- COST EFFECTIVE

ALUMINUM ROTARY DEGASSING SYSTEM

AUTOCLEAN™ ELECTRIC SHUTTLE was designed by **THERMTRONIX®**, the leading manufacturer of quality aluminum melting furnaces, specifically as a portable, cost effective cleaning system for degassing aluminum alloys with precise, repeatable quality results. **AUTOCLEAN™ ELECTRIC SHUTTLE** is designed for use with nitrogen or argon to assure environmentally safe working conditions while providing consistently high quality aluminum.

PRODUCT BULLETIN 3201



Web Site <http://thermtronix.com>

THERMTRONIX® CORPORATION 17129 Muskrat Avenue • Adelanto, CA, USA 92301 • (760) 246-4500 • FAX (760) 246-4550

THERMTRONIX®

AUTOCLEAN™ **ELECTRIC SHUTTLE**

ADDED VALUE, A STANDARD FEATURE WITH
EVERY **THERMTRONIX®** PRODUCT

- **TOTAL ELECTRIC OPERATION** •
 - **NO COMPRESSED AIR** •
 - **NO BATTERIES TO CHARGE** •
 - **AUTOMATIC OPERATION** •
 - **ONBOARD GAS CYLINDERS** •
- **MOBILE PLUG-IN OPERATION** •
 - **SMOOTH HYDRAULIC LIFT** •
 - **HIGH LIFT CLEARANCE** •
 - **QUIET OPERATION** •
- **SINGLE OPERATOR CONTROL** •
 - **LARGE STEEL WHEELS** •
- **LONG LIFE SHAFTS & ROTORS** •

AUTOCLEAN™ **ELECTRIC SHUTTLE** utilizes a foundry proven method of spin degassing in which either a "dry" argon or nitrogen gas is passed through a heavy wall machined graphite shaft with a factory applied protective coating to reduce oxidation and extend service life. A unique edge-cut rotor shears the gas and evenly disperses it in the bottom of the molten aluminum bath. These miniature gas bubbles present an increased surface area through which dissolved hydrogen in the molten aluminum is absorbed as they slowly rise to the surface. Typical degassing times will run from 7 to 15 minutes in a 1000 lb. (450 kg) melt depending upon alloy and inert gas used.

DESIGN AND SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

PRODUCT BULLETIN 3201

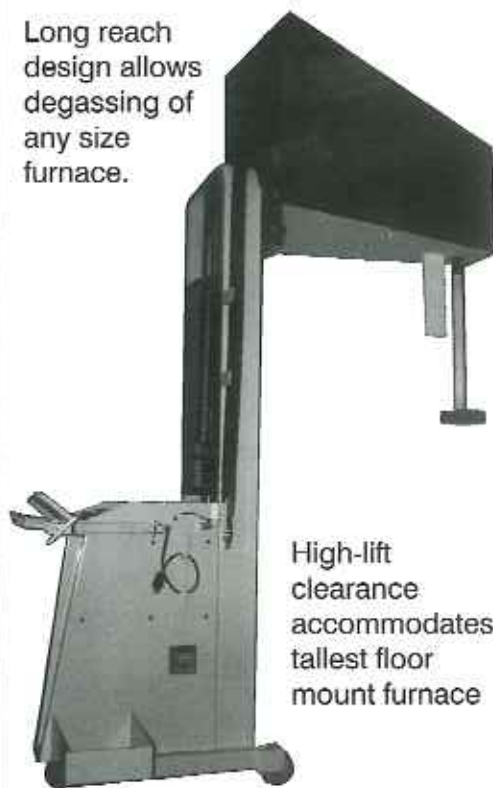
   
Web Site <http://thermtronix.com>

Fully Automatic Control



High Lift Clearance

Long reach design allows degassing of any size furnace.



High-lift clearance accommodates tallest floor mount furnace

Samples taken from a 1000 lb. (450 kg) melt of alloy 356 after 12 minutes of nitrogen degassing with **AUTOCLEAN™** **ELECTRIC SHUTTLE**, and tested @26 inches (660 mm) Hg in a RATS™ (Reduced Atmosphere Testing System) by **THERMTRONIX®**



BEFORE

AFTER