



Innovations in Aluminum Pumping System Performance

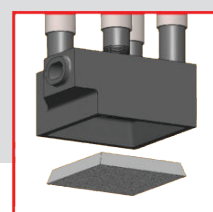
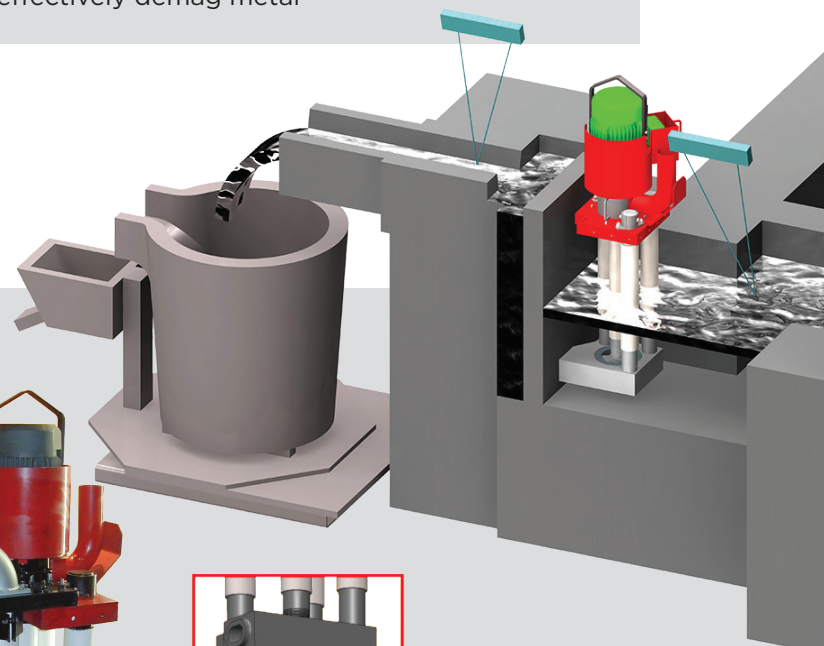
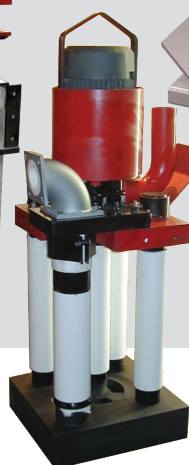
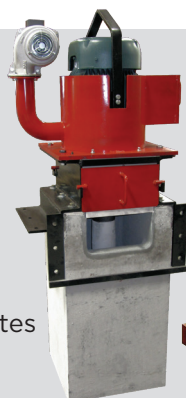


Circulation Pumps

- Circulates molten metal quickly and effectively throughout furnace
- Significantly increases melt rates while reducing energy consumption
- Eliminates temperature stratification and hot spots in the furnace
- Perfect for mixing metal for fast alloying and homogenization
- Available in multiple sizes to fit your furnace
- All models available with optional gas injection to effectively degas metal

Metal Transfer Pumps

- Faster, cleaner and safer metal transfer
- Reduce dross formation
- Improve metal with filters prior to transfer
- Enhance efficiency: variable flow rates, high lift, automated feed rates
- Reliable performance & long service life
- Variety of sizes



Smart Technology

- Control pump based upon furnace operating conditions
- Uses a variety of sensors to read temperature, metal level, vibration and more
- Pump speed adjusts automatically to increase furnace productivity, reduce manpower and increase pump service life

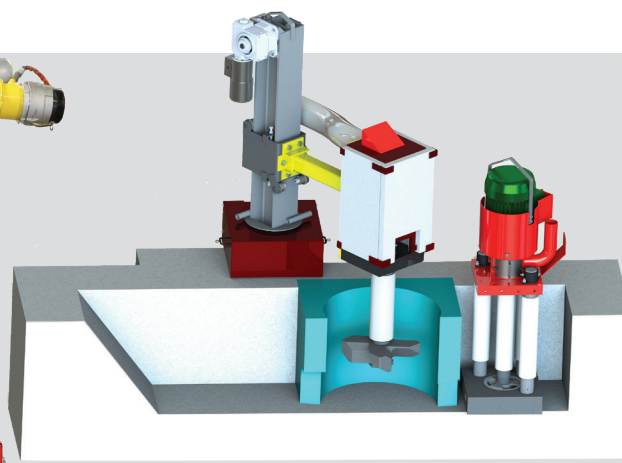
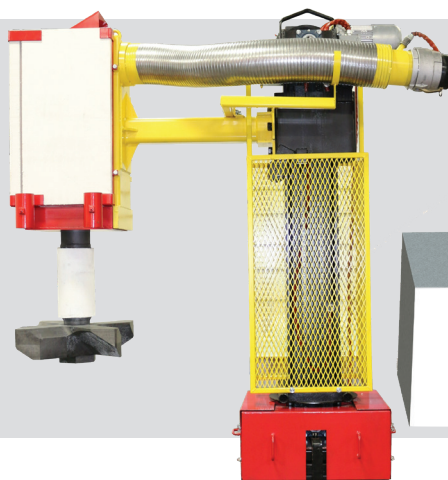


Metal Treatment

- Variety of custom solutions to fit your application
- Fully automatic ladle degassing stations with programmable operation can be customized to your needs
- Mobile units can be easily moved to different areas of the plant
- Lightweight (35 lb) air driven portable unit is simple and can be moved manually for quick treatment
- All units feature our QUAD-Zilla degassing rotor and shaft for superior metal treatment
- Flux Injection optional

Scrap Submergence

- Increases melt rate for lightweight scrap for more production out of your furnace
- Provides measurable improvement in metal recovery
- Submerges scrap quickly and efficiently, minimizes dross formation
- Height adjustment for metal level
- Built rugged for long service life



Graphite Casting Rings for Billet Tables

- Complete range of designs to fit your billet casting tables
- Sizes up to 24" diameter
- Unique graphite offers high porosity and permeability
- Uniform material properties for superior performance
- Factory testing of each ring is available



Machined Graphite Parts

- With our complete CNC machining capabilities, we offer high quality machined graphite parts.
- 5-axis machining for making complicated shapes
- Access to a complete range of graphite materials including extruded, molded and isostatic grades as well as treated materials
- Quick-turnaround time



MOLTEN METAL
EQUIPMENT INNOVATIONS

15510 Old State Road, Middlefield, Ohio 44062
Phone: +1 (440) 632-9119 Email: info@mmei-inc.com Website: www.mmei-inc.com