

# HIGH TEMPERATURE ENVIRONMENTS

## CUSTOM EQUIPMENT

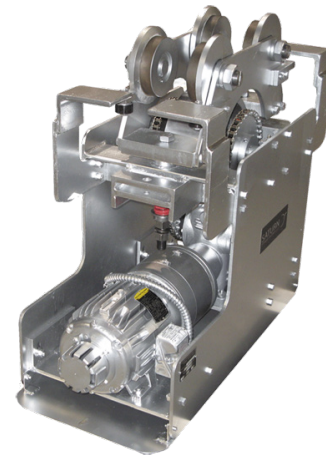
SATURN engineers and manufactures wire rope hoists, tractor drives and related overhead crane equipment for operation in high-temp environments where temperatures may exceed 120F. This includes hoists that handle hot molten metal. SATURN Hot Metal Hoists meet the Safety Requirements for Molten Metal Handling and Pouring Equipment as per ASTM E2349-05/9.5 (Supersedes ANSI Z241.2).

### STANDARD FEATURES FOR HOT METAL HOIST

- Conforms to OSHA 1910.179 Safety Standards
- Hoist Worm Gear Drive (As 2<sup>nd</sup> Mech. Braking Means)
- Wire Rope With 8:1 Safety Factor
- Metal Power Circuit Upper Limit Switch
- Metal Gear Type Limit Switch (2<sup>nd</sup> Upper & Lower Limits)
- Warning Light & Horn To Signal Trolley/Bridge Motions
- Class H Insulated Motors and Brake Coils
- Heat Shields Underneath Mechanical Drives
- Heat/Splatter Shield Underneath Hook Block
- NEMA 12 Enclosures With High-Temp Internal Wiring
- High-Temp External Wiring Thru Metal Conduit
- Metal/N12 Pendant with Fire Sleeve Cord Cover
- Motor/Circuit Protection with Motor Thermostats
- Oversized Hook To Properly Fit Ladle Bail
- High-Temp Synthetic Oil in all Reducers
- High-Temp Grease in all Bearings
- High-Temp Aluminum Paint
- Drop Lugs & Rubber Bumpers
- Mainline Contactor



5-TON HOT METAL HOIST



T-200 TRACTOR WITH HIGH TEMPERATURE FEATURES INCLUDING STEEL DRIVE WHEEL



3-TON RAISED DUAL RAIL HOT METAL HOIST



3-TON HOT METAL HOIST