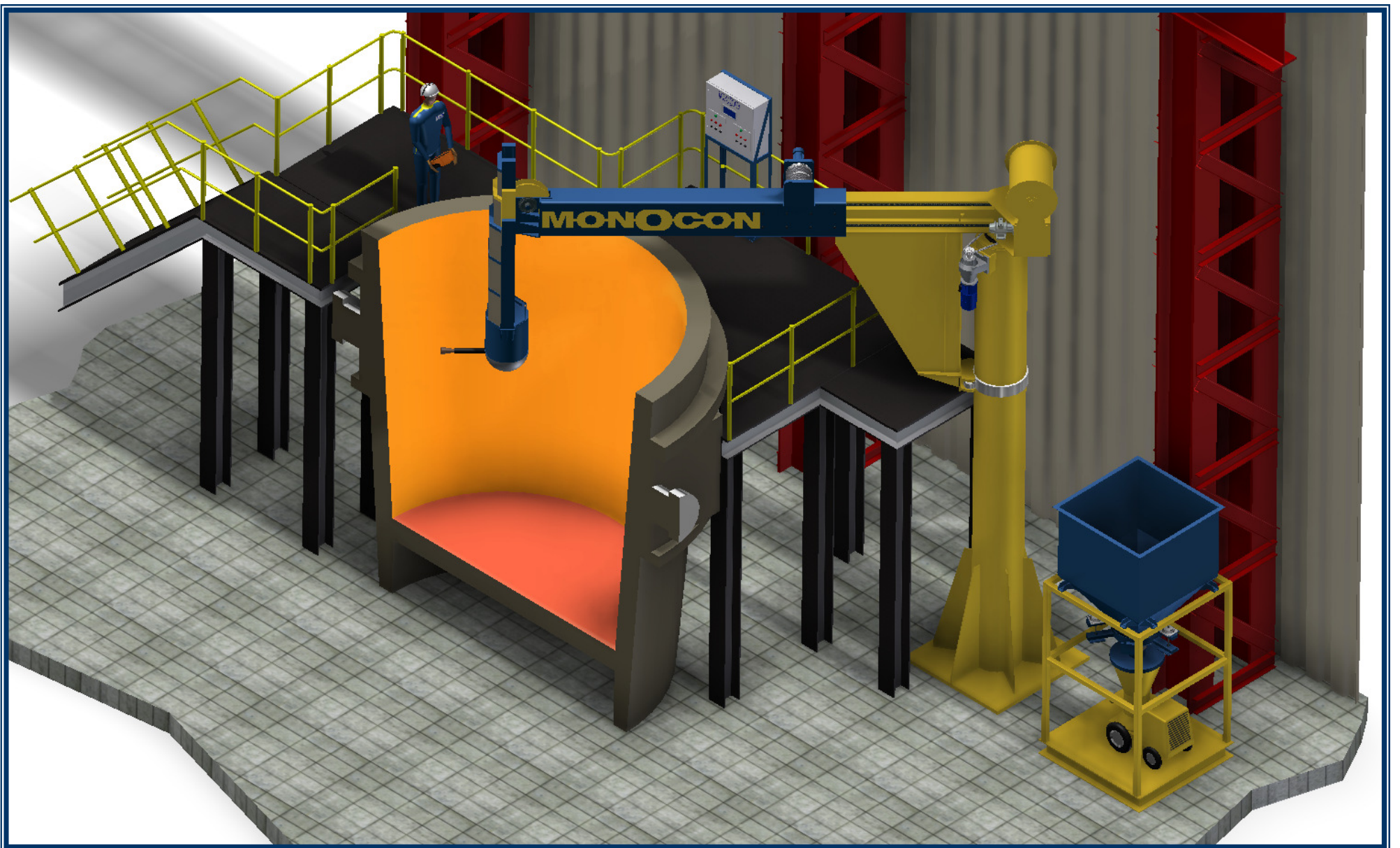


# MONOCON

## MONOCATOR “NEXGEN V”



FOR HOT/COLD  
REFRACTORY REPAIR OF  
STEELMAKING LADLES



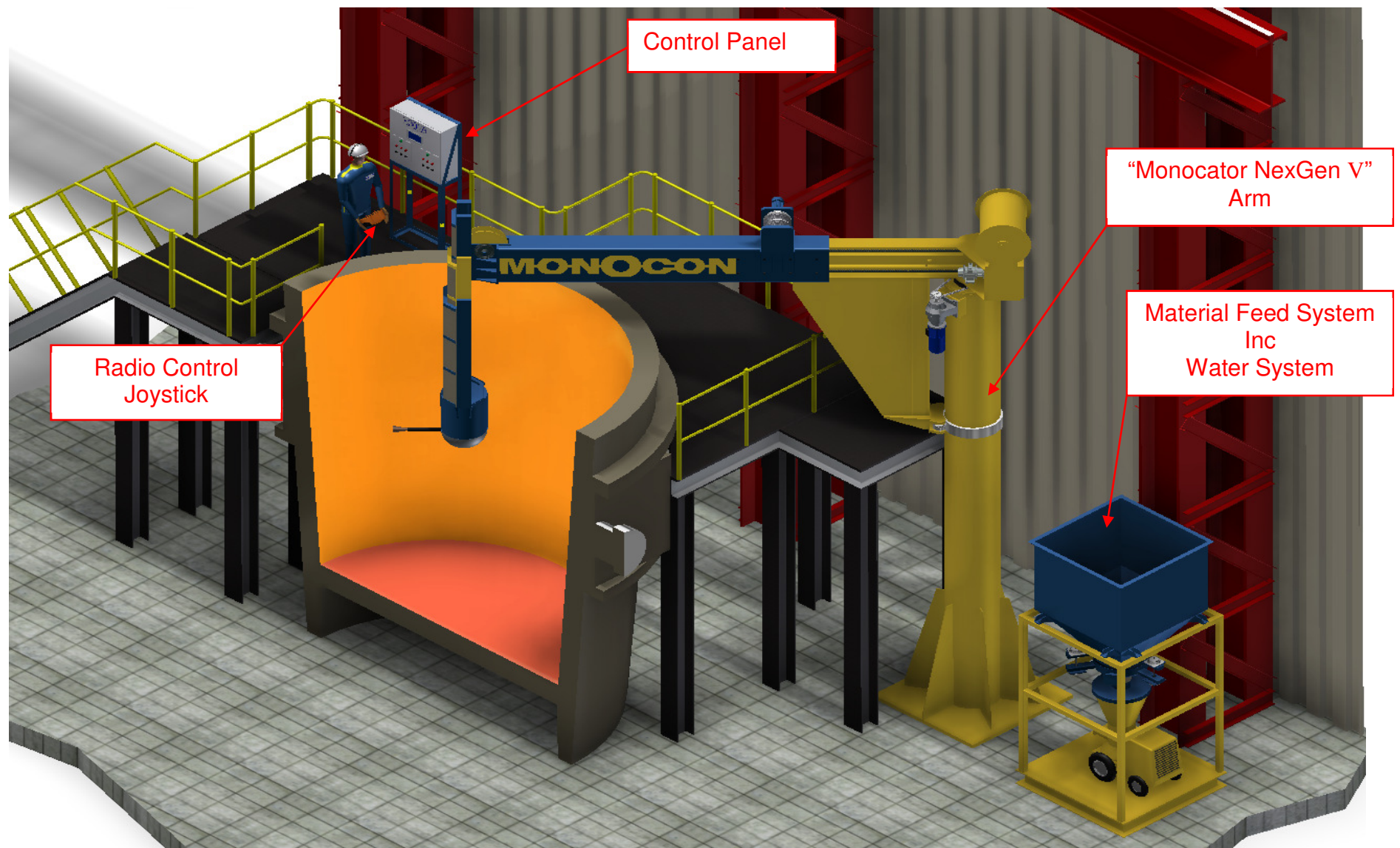
## DESCRIPTION

The Monocon 'NexGen V' is used to repair all internal areas of steelmaking ladles.

### Main Components

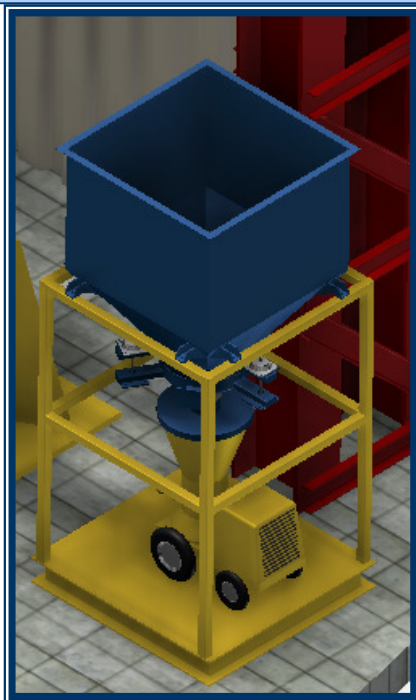
- Monocon NexGen V arm
- Material Feed System
- Weigh System
- Water System
- Control panel
- Radio Control Joystick

### TYPICAL LADLE "MONOCATOR NEXGEN V" LAYOUT



### TYPICAL MATERIAL FEED SYSTEM (Rotary Gun Type)

- Bulk Hopper – 2m<sup>3</sup>
- Air Pressure – 6 Bar
- Air Consumption – 3 to 6m<sup>3</sup>/min
- Material Delivery – 4.5T/hr (max)



### WEIGH SYSTEM

- Display Qty of dry material
- Load Cells on Feed System
- Digital Display on Control Panel

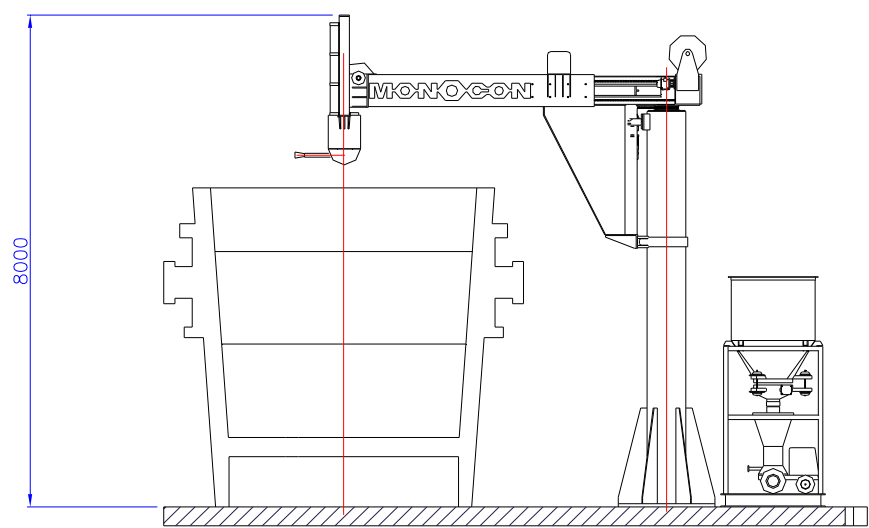
### WATER SYSTEM

- 200 Litres Capacity
- Multi stage pump
- Control Valve
- Visual of Digital flow meter
- Temperature Controlled

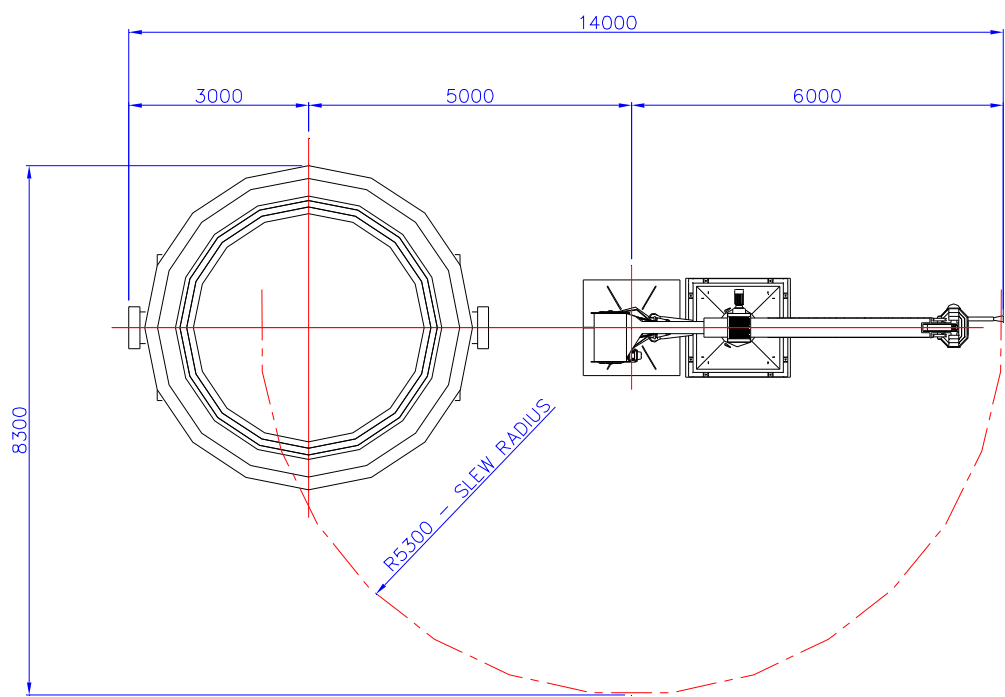




**TYPICAL DIMENSIONS** – dependant upon site Survey



DIMENSIONS	
Height Approx.	8,000 mm
Working Area Length Approx.	14,000 mm
Working Area Width Approx.	8,300 mm
Weight Approx.	5,000 kg



**MAIN CONTROL PANEL**

Material Weight Display



**RADIO CONTROL JOYSTICK**



- Mode
  - Spray position
- Slew
- Nozzle Rotate
- Telescope
- Hoist
- Nozzle up/down
- Material on/off
- Water +/-

# MONOCATOR 'NEXGEN X'

Additional options available include:

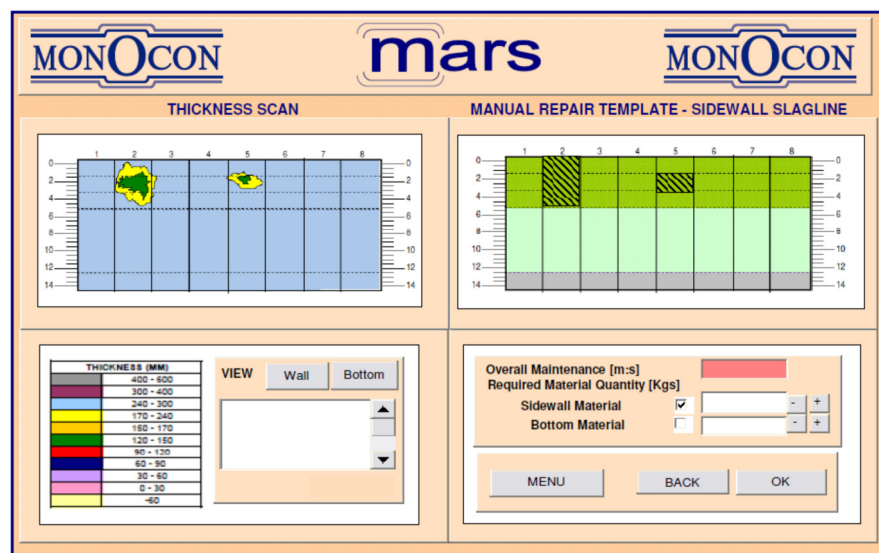
- Pressure Vessel Feed System (Instead of Standard Rotary Gun). *See right.*

- Bulk Hopper – 2m<sup>3</sup>
- Pressure Vessel – 1.1m<sup>3</sup>
- Max Pressure – 6 Bar
- Air Consumption – 8m<sup>3</sup>/min. (max)
- Material Delivery – 5m<sup>3</sup>/hr (max)

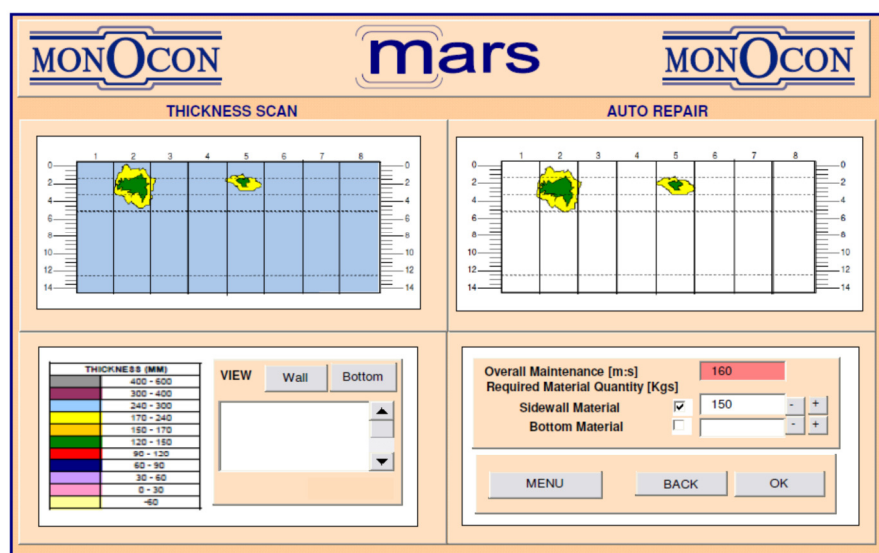


- Dual Material Feed Systems – The machine can be supplied with two feed systems (either Pressure Vessel or Rotary Gun) which will allow easy change of spray material for different areas of the ladle as required.

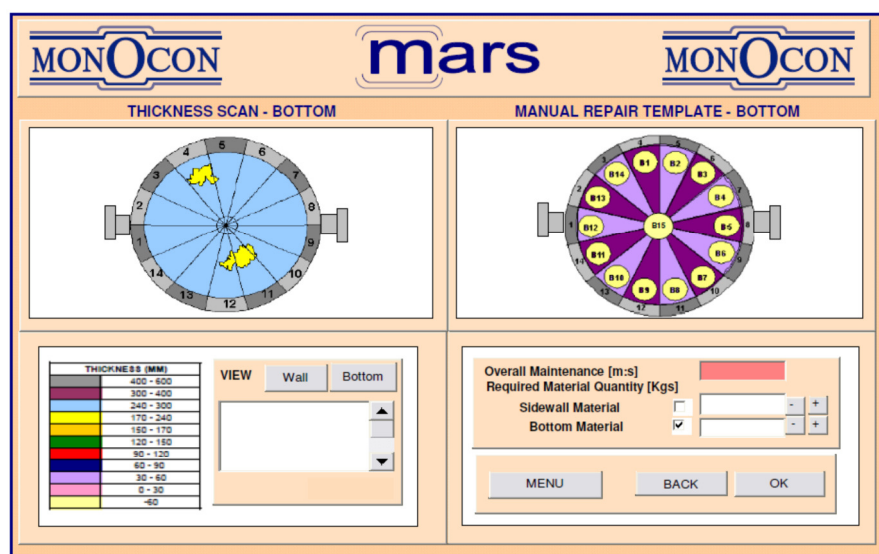
- Refractory Scanner



Refractory Scanner can be used as a guide to target suspect areas on the lining – Joystick Control.



Refractory Scanner can initiate a repair routine based on the refractory scan – Automatic Control



Refractory Scanner – used to target areas of repair on ladle bottom.

**MONOCON**  
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