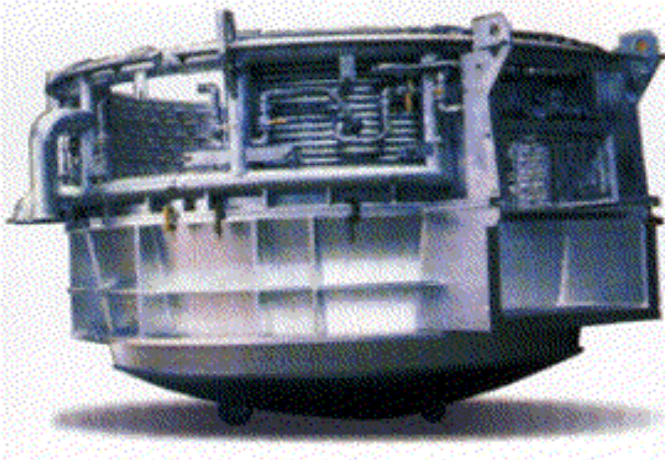




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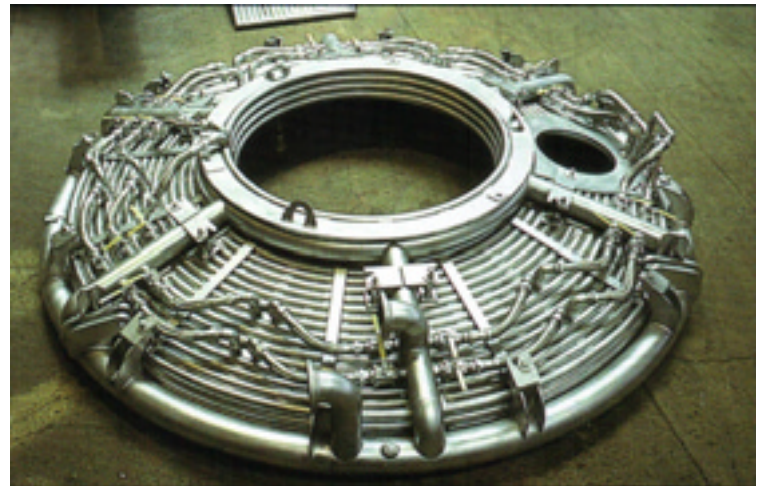
# Increase Arc Furnace Production Reduce Refractory Costs

Recently a prominent steel producing facility challenged Whiting Corporation to design a higher production arc furnace. Whiting responded by designing an expanded capacity shell with water cooled sidewalls, water cooled roof, submerged sidewall tap hole, and a fast return tilt feature that assures quick metal - pour cutoff.



*Diameter 15'4" (4.65m) single split furnace shell. Scrap volume capacity of 1,235 ft<sup>3</sup> (35m<sup>3</sup>). Up to a 40% increase in scrap volume on an existing 14'0" furnace platform. Hot metal capacity of 50 short (45 metric) tons.*

*Tubular construction water cooled roof. ►*



*In addition to increased production, the new design provides the melter with additional advantages:*

- Increased Productivity...from a 5-charge to 3-charge heat.
- Reduced Refractory Costs...with water-cooled roof and 80% to 85% sidewall panel coverage.
- Reduced Refractory Requirement Increases Furnace Availability.
- Slag free Control and Compact Liquid Steel Pour Capability... made possible with submerged tap hole and fast return tilt cutoff.
- Liquid Heel Operating Capability further improves productivity.
- Reduced Electrode Consumption...increased economy.
- Improved Working Environment around and above the furnace.

***IF THESE BENEFITS ARE IMPORTANT TO YOU, contact Whiting today.  
We can help!***

**Whiting Equipment Canada Inc.**



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