9 Reasons Why:

Stack Melters Beat Reverb Furnaces

1. Improve safety due to limited exposure to molten metal and pre-heating of the charge material
2. Floor space reduced due to 2.5x holding capacity versus 10x
3. Efficiency of 1,000 Btu per pound versus 2,500 Btu
4. Lowered holding costs caused by 2.5x holding capacity versus 10x in a reverb
5. CO2 emissions lowered (less gas burned = less CO2)
6. Lower melt loss (1% vs.3-8%)
7. Improved process control and resulting metal quality caused by only a +/- 10 degree F holding temperature variation versus large swings each time a cold charge is placed into the hot bath
8. Improved process control and resulting metal quality due to reduced gas levels created by more stable temperatures and reduced burner fluctuation and reduced surface area within the bath
9. Reduced manpower requirements with automated charging systems vs. manual charging exposing operators to metal splash.

Modern Equipment Company

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