

Yard

Yard Operations

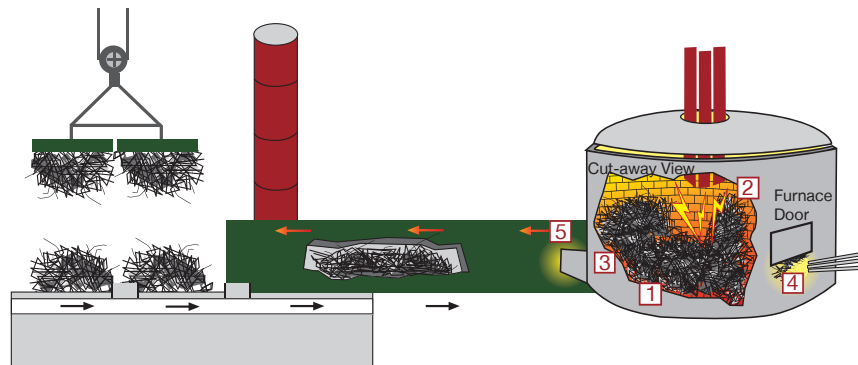
- Provides over 1,200 tons per day to the Melt Shop
- Handles 400,000 tons per year of incoming scrap from trucks and rail
- Provides support services for outbound products shipped by truck and rail
- Supports baghouse operations; plant sweeping operations



Melting Process

Scrap Steel is Melted in 4 Ways

1. "Hot Heel" Practice
2. Electrical Energy
3. Natural Gas Energy
4. Chemical Energy
5. Exhaust Heat



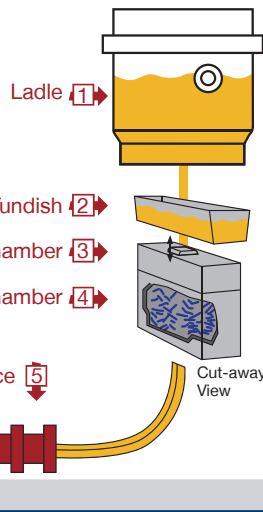
Rolling Mill

Continuous Caster

Ladle Metallurgical Station (LMS)

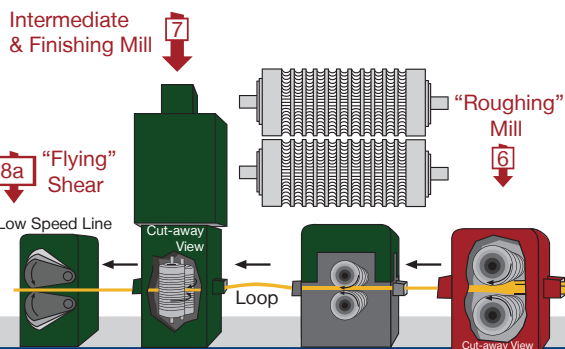
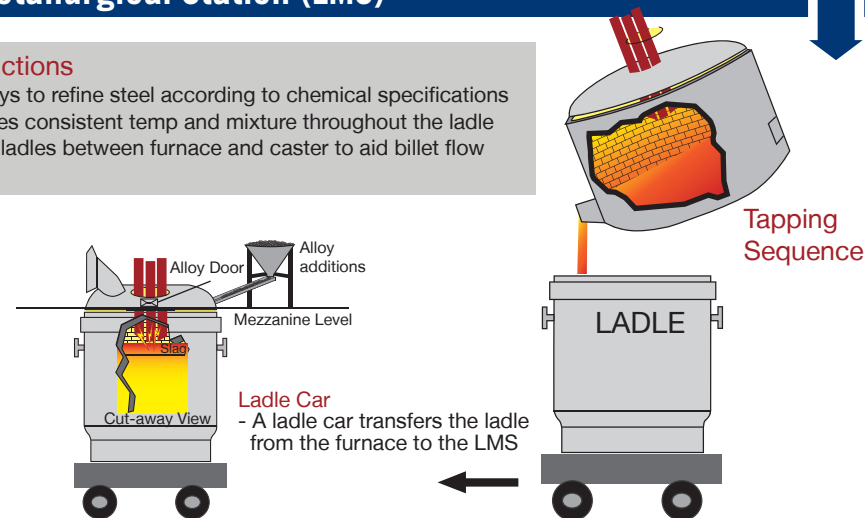
Caster

- Forms liquid steel into a 5" square section in a continuous strand
- The solidified strand exits the caster and enters the induction furnace to be prepared for rolling



LMS Functions

- Adds alloys to refine steel according to chemical specifications
- Establishes consistent temp and mixture throughout the ladle
- "Stages" ladles between furnace and caster to aid billet flow



Finishing & Transportation

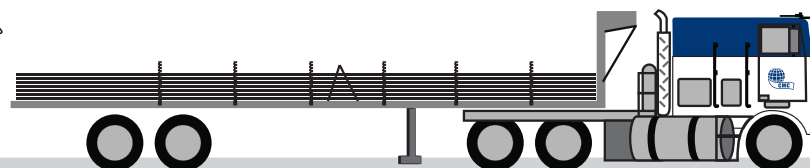
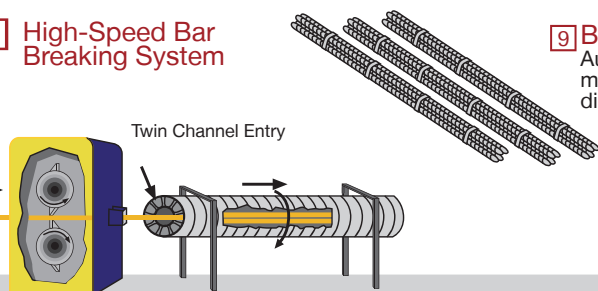
Finishing & Transportation

- Loads CMC trucks, customer trucks, and commercial carriers
- Arranges shipment of all finished products
- Arranges transportation of inbound materials including CMC truck "backhails"

[9] Bundling & Shipping

Automated bundling systems prepare products for movement by overhead crane to storage areas or directly to customer trucks.

[8b] High-Speed Bar Breaking System



MICROMILL PROCESS

