



GERDAU

Overview

Jackson TN Mill



GERDAU

Safety In Action

Jackson TN Mill





Visitor Safety Briefing

- ➔ Exit Locations: One at the rear of the room.
 - ▶ Primary exit through the lobby
 - ▶ Secondary exit through West office doors
- ➔ Evacuation Assembly Area is inside the parking lot directly South of the main office
- ➔ + First-Aid: EMT's and supplies located in Quality Control Laboratories
- ➔ Reporting An Emergency:
 - Melt Shop - x222 / x295*
 - Rolling Mill / Shipping - x251*
 - Main Office - x218*
 - Plant-wide Radio - Channel 5*



EMERGENCY



ASSEMBLY POINT

MELT SHOP

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ASSEMBLY POINT

MAIN OFFICE

EMERGENCY



ASSEMBLY POINT

ROLLING MILL

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ASSEMBLY POINT

MAINTENANCE

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ASSEMBLY POINT

CONTRACTORS

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ASSEMBLY POINT

Shredder/RCD

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ASSEMBLY POINT

SHIPPING

ASSEMBLY AREAS

JACKSON MILL



Site History

- Located in Jackson, Tennessee
- 390 acre site
- Commenced operations in 1981 as Florida Steel Company
- 370 employees
- 1996 – Name change to Ameristeel
- 1999 – Purchased by Gerdau Group
- 2002 – Merger of Ameristeel, Co-Steel, and Gerdau Canada (name changed to Gerdau Ameristeel)
- 2011 – 110 Year Celebration & Global Branding Initiative (name changed to Gerdau – Jackson Mill).



Jackson Product Mix

Angles = 48%



Flats = 27.4%



2 x 2 x 1/8 through 4 x 4 x 3/4 Equal Leg

3 x 2 x 3/16 through 5 x 3 1/2 x 1/2 Unequal Leg

1/4 x 2 through 1 x 6

1 1/4 x 2 through 1 1/2 x 4

Channel = 20%



3 through 6

**Squares, Rounds &
Rebar = 4.6%**



#43 Through #57 Rebar

1 1/2 through 2 1/4 Squares

MiniMill Steelmaking

- Recycling
 - Shredder
 - Railcar Dismantling
- Melt Shop
 - Electric arc furnace
 - Caster
 - Refractory
- Roll Mill
 - Rolling mill
 - Finishing mill
 - Roll shop
- Shipping

JACKSON MILL RECYCLING



JACKSON MILL MEGA SHREDDER



Melting & Casting

- Electric arc furnace by FUCHS,
 - capacity of 120 ton average heat size.
 - 55 MVA transformer.
 - Tap to Tap averages 80 min..
- Caster, 4 strand continuous casting machine
 - 20' Radius
 - Hydraulic Oscillators
 - Torch cut-to-length system
- Product mix: 6 1/4" sq., 5 1/4" sq., 5"x7" slab, 6"x7" slab & 4 5/8"x 6 5/8" slab





A glimpse at the Melting Area



A brief glimpse at the Casting Area





Rolling Mill

- Bricmont pusher reheat furnace, 100tph
- 16 stand in-line mill
 - Roughing Area
 - (5) P-742 MH Roll Unit
 - (1) P-736 MH Roll Unit
 - Morgan Shear, 10.4 sq. in.
 - Intermediate Area
 - (6) P-736 MH Roll Unit
 - Morgan Shear,
 - Finish Train
 - (4) P-736 MH Roll Unit
 - Morgan Divide Shear
- Hi-Profile Bar Gauge by Danieli
- Roll Services Area
 - Roll Turning
 - Stand & Guide Build-up
 - Stand & Guide Maintenance



Cooling Bed

- 140' of run-in conveyors
- 320' entry drop-wall system
- 270' bed



Hi-Profile Bar Gauge

- 4-Head unit
- 30 scans per second
- Recipe system



Pomini Multi-Strand Straightener

- 5 Top driven Rolls
- 5 Axial adjustable bottom rolls
- Quick change cartridge system
- Product Recipe system

- Danieli Pendulum Shear
 - Product flow 250 Ft/min
- Danieli 80' Stacker
 - (4) sets of 20'
 - (2) sets of 40'
 - (1) 60' when coupled



Samuel's Banding system

- (4) Mobile units
- (1) Fixed positioned
- 1,000 lbs. coils





Our inventory can contain up to 360 different products.

Our inventory can also contain up to 34 different lengths and grades.



*We are capable of staging
nine trucks at one time.*



Tarp Shed

The tarp shed is equipped with nets for fall protection for the drivers



