GA GERDAU

Overview

Jackson TN Mill



GA 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



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).







Product Mix



Angles = 48%

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



Channel = 20%

3 through 6

Flats = 27.4%

1/4 x 2 through 1 x 6 1 1/4 x 2 through 1 1/2 x 4

Squares, Rounds & Rebar = 4.6%



#43 Through #57 Rebar1 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

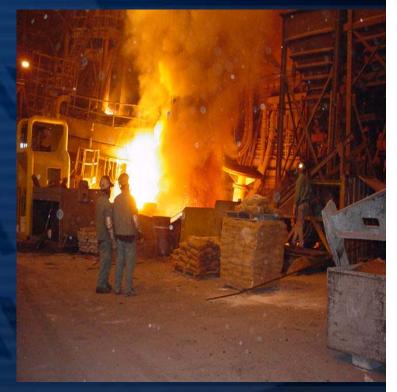


JACKSON MILL MEGA SHREDDER



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



GÐ GERDAU

A glimpse at the Melting Area







A brief glimpse at the Casting Area







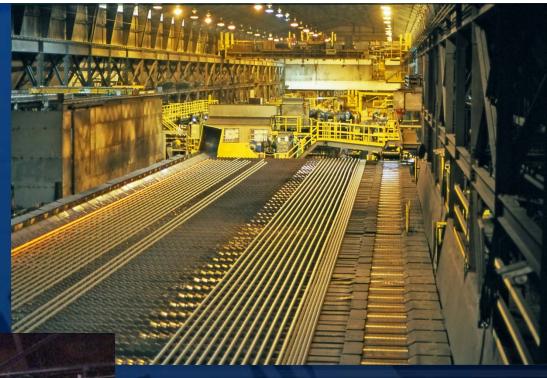


Rolling Mill

•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 Mainten GÐ GERDAU

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

GÐ GERDAU

Samuel's Banding system •(4) Mobile units •(1) Fixed positioned •1,000 lbs. coils

PMENT TS ICALLY





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



