# GA GERDAU

# **Overview**

Jackson TN Mill



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# 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**

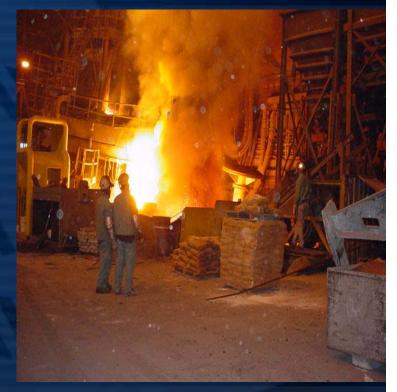


#### **JACKSON MILL MEGA SHREDDER**



## 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



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#### 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

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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



