

Nucor Steel Florida

Presented by: Shane Hirst



Amelia Island

St. Augustine Beach

Daytona Beach

Cocoa Beach

Vero Beach

Jupiter Dog Beach

South Beach, Miami

Cape Florida State Park

BEST FLORIDA BEACHES

Destin Beach

South Walton Beaches

Panama City Beach

Honeymoon Island State Park

Clearwater Beach

Pass-a-Grille Beach

Anna Maria Island

Captiva Island

Naples Beach

**Rest Beach, Higgs Beach,
and Smathers Beach in KEY WEST**







SCRAP CONVEYOR

MELTSHOP

ROLLING MILL

ROLL SHOP

SPOOLER

BAGHOUSE

WAREHOUSE

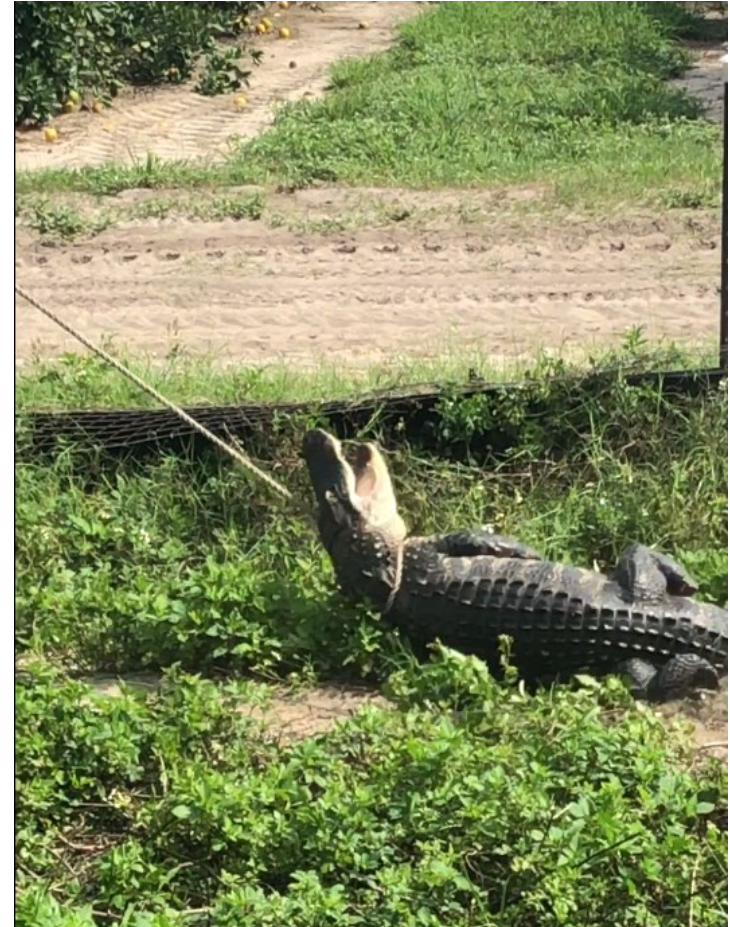
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ADMIN/LOCKER ROOM

HARRIS REBAR

Fun Facts about NSFL

- Our property is 440 acres total and 300 acres of it is an operating commercial orange grove (oranges for juicing)
- We've seen deer, hogs, turkeys, bears, snakes, and alligators on-site
- 71 miles from Atlantic Ocean (Vero Beach)
- 71 miles from Gulf of Mexico (Bradenton, Tampa Bay)



Mill Milestones

- Broke ground April 2019.
- RM Start Commissioning Sept 1 2020.
- RM First billet through Induction Furnace Oct 1 2020.
- RM First billet on cooling bed Oct 15 2020.
- MS Start Commissioning Oct 1 2020.
- MS First Heat, Cast and First Continuous Heat Dec 18 2020.
- First Micro Mill to ever run the first heat in endless mode.
- Started 24/7 Production January 11, 2021.
- Installed Octagon mold in January 2023.

Roll Mill

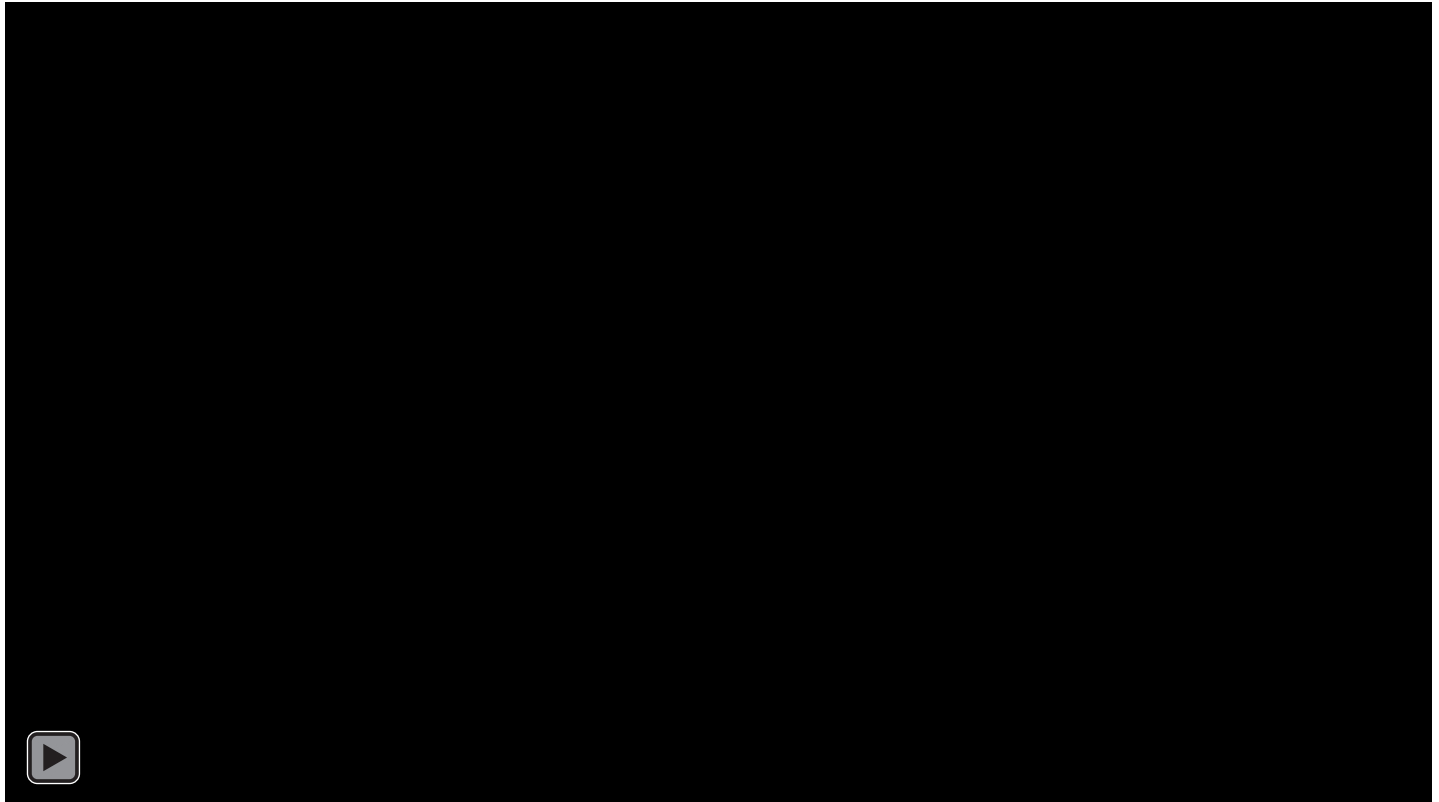
- No reheat furnace!
- Ability to heat a cold billet with an induction furnace for pre-cast mill sizing. Ambient to 2000° in less than 20 mins.
- Continuous cast/rolling - Connected directly to the Melt Shop caster.
- Newly installed an Octagon shaped mold in caster.
- Typically, 1850° coming in the induction heaters and 1975° out.
- Eight cantilever rougher stands (1-3 are 685 mm) (4-8 are 450 mm)
- Eight 4334 finishing stands (iron, CPC, and CPM rolls)
- Rod block available to run #3 rebar (4 sets of carbide rings (212 mm))

Rolling Mill

- Annual capacity 425,000 tons*
- Product range
 - #3 to #11 rebar
 - A615, A706
 - Grade 40 to Grade 100
 - Spool #3 #4 #5 #6,
 - max spool weight of 5.5 tons

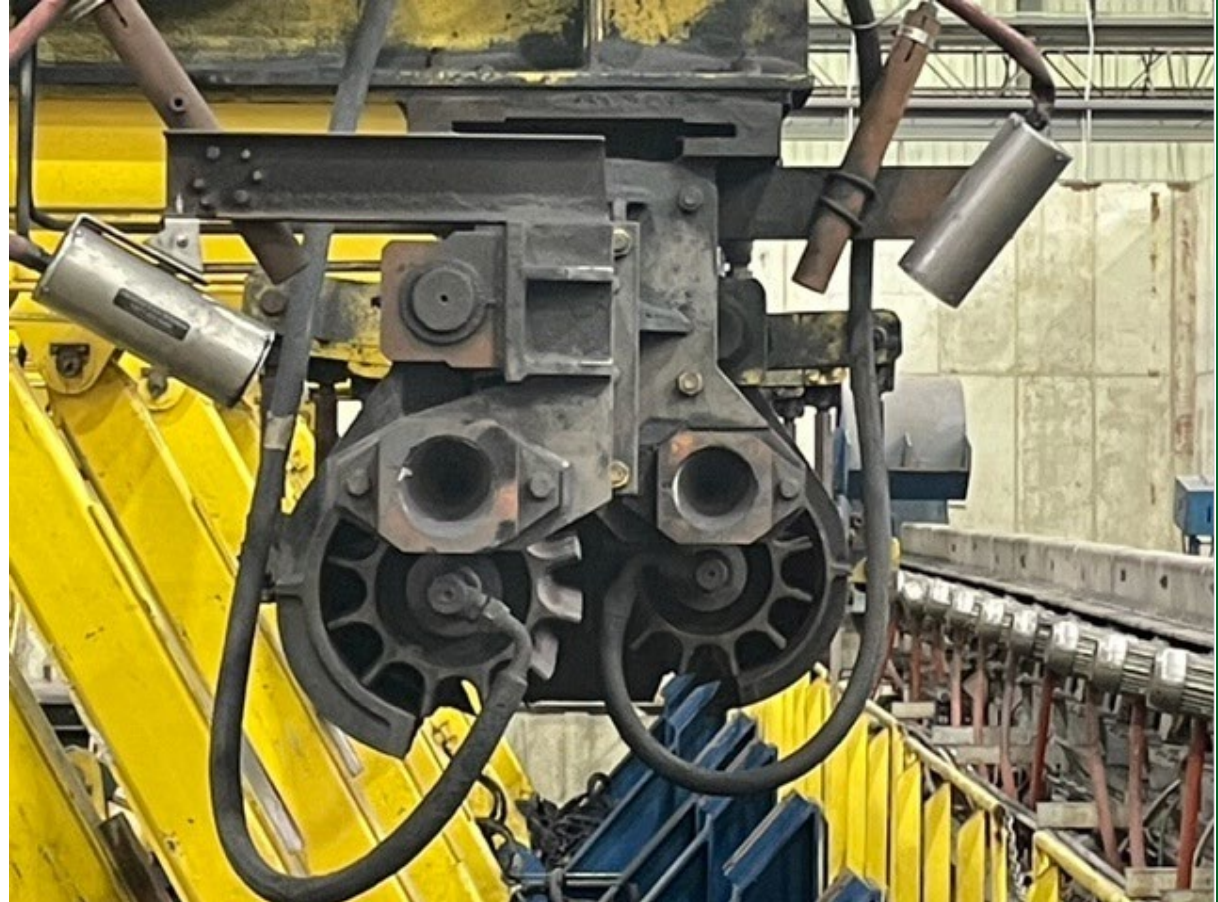
High Speed Line

- #4, #5, #6 bar
 - 2 Shears
 - Shear #2 is our crop shear
 - Shear #3 is our dividing shear



Twin Channel Revolver

- Allows for higher finishing speeds



Cooling Bed

- Cooling Bed
 - Fast walk (Upper section)
 - 1:1, 2:1, 3:1 ratio
 - Slow walk (Lower section)



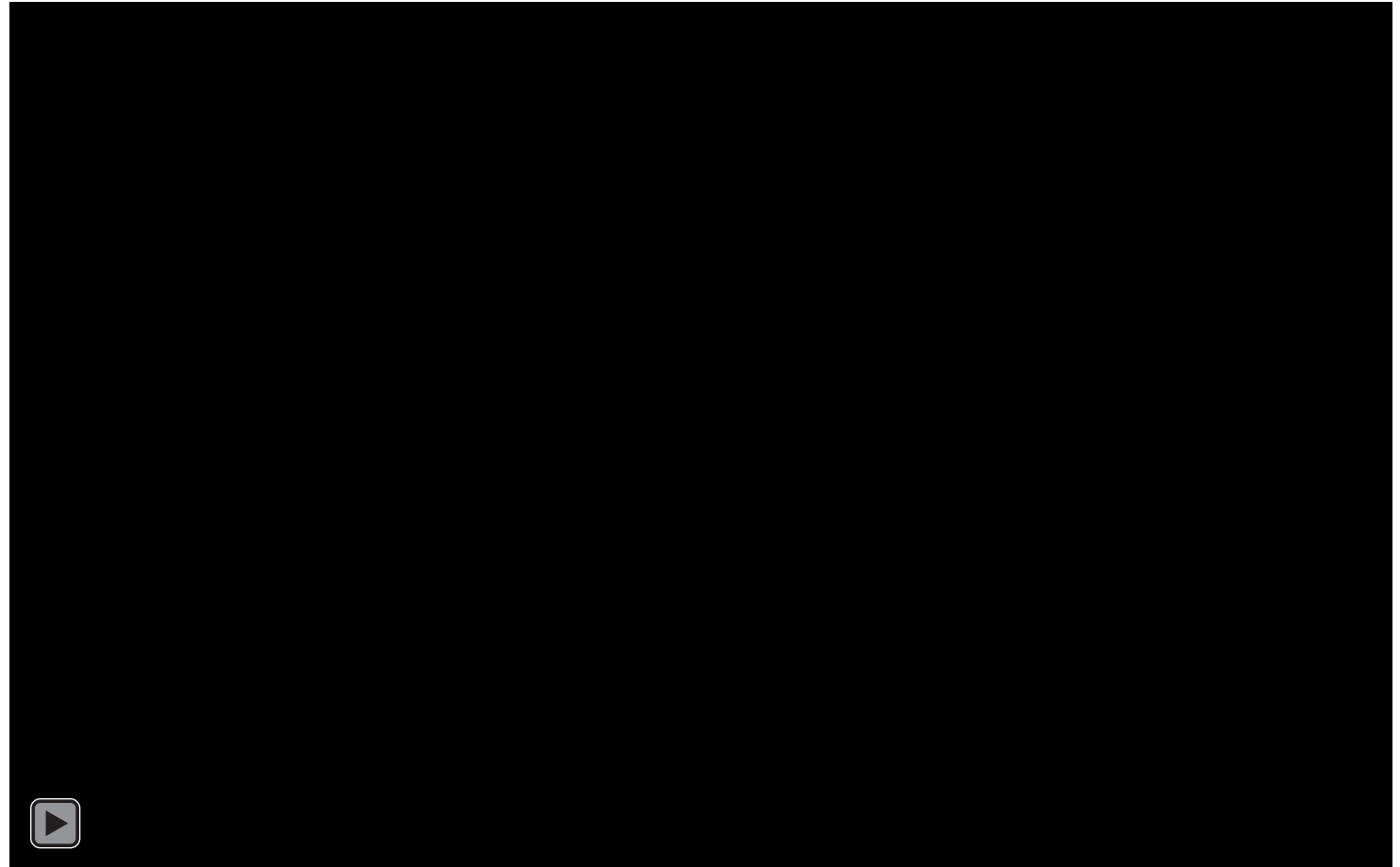
Low Speed Line

- #7 - #11 Bar
 - 1 Shear
 - Shear #4 is both the crop and dividing shear
- Traditional Apron line
- Cooling Bed
 - Both sections work at same speed



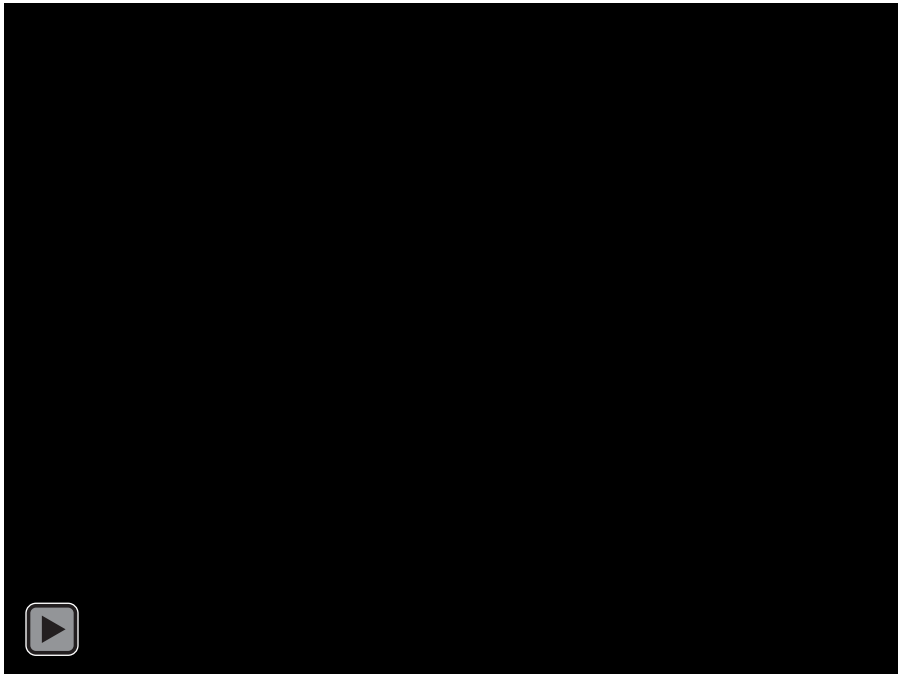
Roll Mill Finishing

- Bundle forming
 - Forming Chains
 - Lances
 - Pockets



Roll Mill Spooler

- Spooler Line
 - We currently spool #3-#6 bar
 - Ability to spool up to #8 bar
- 4 Stand Rod Block
 - #3 bar is the only product currently ran through the rod block



Nucor Florida branding



Summary

- NSFL currently is home to over 220 teammates
- Our weekly tonnage target is 9,200 tons

**THANKS FOR YOUR
ATTENTION!**