

SSAB Americas Headquarters

SSAB Enterprises, LLC
801 Warrenville Road, Suite 800
Lisle, Illinois 60532
Toll Free: 877-594-7726
Tel: 630-810-4800
Fax: 630-810-4600

Production Facilities

Mobile
SSAB Alabama, Inc.
12400 Highway 43 North
Axis, Alabama 36505
Toll Free: 888-592-7070
Tel: 251-662-4400
Fax: 251-662-4360

Montpelier
SSAB Iowa, Inc.
1770 Bill Sharp Boulevard
Muscatine, Iowa 52761
Toll Free: 800-340-5566
Tel: 563-381-5300
Fax: 563-381-5322

CTL Facilities

Houston
SSAB Texas, Inc.
13609 Industrial Road, Suite 114
Houston, Texas 77015
Tel: 713-341-7701
Fax: 713-455-0668

St. Paul
SSAB Minnesota, Inc.
2500 West County Road B
Roseville, Minnesota 55113-3873
Toll Free: 800-383-9031
Tel: 651-631-9031
Fax: 651-631-9670

Toronto
SSAB Central, Inc.
1051 Tapscott Road
Scarborough, Ontario M1X 1A1
Toll Free: 888-576-8530
Tel: 416-321-4949
Fax: 416-321-4945

Commercial Contacts

Mobile
Toll Free: 888-592-7070
Tel: 251-662-4400
Fax: 251-662-4360

Montpelier
Toll Free: 800-340-5566
Tel: 563-381-5300
Fax: 563-381-5322

Houston
Toll Free: 877-722-2589
Tel: 281-671-1740
Fax: 281-807-1920

St. Paul
Toll Free: 800-383-9031
Tel: 651-631-9031
Fax: 651-631-9670

Toronto
Toll Free: 888-576-8530
Tel: 416-321-4949
Fax: 416-321-4945



SSAB Americas: North American Plate Mills

SSAB is a Nordic and US-based steel company. SSAB offers value added products and services developed in close cooperation with its customers to create a stronger, lighter and more sustainable world. SSAB has employees in over 50 countries. SSAB has production facilities in Sweden, Finland and the US. SSAB is listed on the Nasdaq OMX Nordic Exchange in Stockholm and has a secondary listing on the Nasdaq OMX in Helsinki.

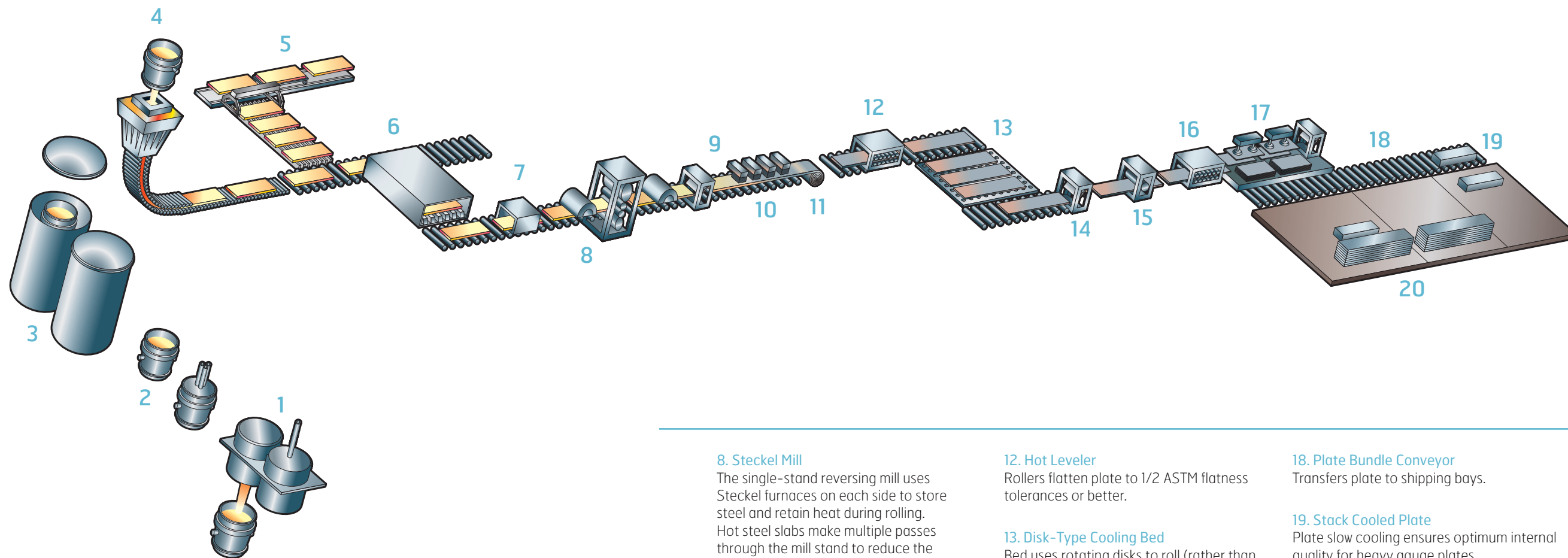
For coil and plate customers, SSAB Americas' steel mills represent cost-effective sources for high-quality steel in a wide range of sizes—steel of exceptional flatness and superior surface quality. Chalk it up to experience; we've been making flat rolled steel utilizing Steckel technology for many years.

SSAB Americas' two steel mills are centrally located in the Midwest and Southeast, with rail, river and road access for fast, economical delivery. Each facility has an annual nominal capacity of 1.25 million tons. We're capable of producing plate up to 123" wide and 1,100" long, and from 3/16" to 3" in thickness, as well as coil up to 120" wide from 0.12" to 0.75" in thickness and in weights up to 50 tons.

But a superior product doesn't mean much without the service to back it up. SSAB's superior sales team works hard to ensure customers get exactly what they want, when they want it.

Not Your Run-of-the-Mill Plate Mills

Take a look inside the world's finest in-line plate mills: SSAB's facilities in Montpelier, Iowa and Mobile, Alabama. From melt shop to shipping bay, you'll find the latest technology and procedures for making steel of exceptional quality with unmatched efficiency. Our in-line, continuous process can take scrap to ready-to-ship steel in just over 4.5 hours.



Key:

1. Twin Shell Electric Arc Furnaces

Shells are alternately being loaded with scrap or tapping into a ladle for continuous production. Eccentric bottom tapping is utilized to minimize slag carryover from the EAF and produce cleaner steel.

Montpelier: 150 ton tap weight

Mobile: 175 ton tap weight

2. Ladle Metallurgy Furnace

This refining process removes impurities, provides uniform temperature, and adds alloys as required. For scheduling efficiency, ladles can alternate between refining and heating.

3. Vacuum Tank Degasser

Used to remove dissolved gasses in the steel.

4. Caster

This state-of-the-art caster is one of the world's widest, casting slabs 6" thick and up to 123" wide. Features such as hydraulic resonance mold, liquid core soft reduction and air-mist cooling improve surface quality and internal soundness. As steel exits the caster, it can be torch-cut into individual slabs up to 70 tons in weight, which results in increased slab-to-finished plate yields.

5. Slab Cooling Table

Reduces slab surface temperature prior to warm charging into the reheat furnace.

6. Walking Beam Furnaces

As the slab is "walking" through the furnace, the steel is uniformly heated, to temperatures between 2100°F to 2350°F prior to rolling. The walking beam furnace discharges slabs using extractor arms to prevent gouging of the slab surface.

7. Descalers

High-pressure water spray removes scale.

Grades Available

AISI
C1006-C1045, vacuum degassed
4140, 15B30

Structural Steel
ASTM A36, A514, A572, A588, A633,
A656, A871, A709 (up to HPS-70W), A871

Pressure Vessel
ASTM A285, A414, A516, A517, A537, A738

CSA
38W-60WT, 50AT, 70AT

Proprietary Grade
ST 100XF

Abrasion
AR200, AR235, AR400F

Offshore
API 2MT1, 2W-50, 2H-50

Shipbuilding
ABS, Lloyds

Oil Well Casing (Skelp)
API-SCT H40, J55, L80, P110

Line Pipe Specifications (Skelp)
API-SL Grade B to X-80

8. Steckel Mill

The single-stand reversing mill uses Steckel furnaces on each side to store steel and retain heat during rolling. Hot steel slabs make multiple passes through the mill stand to reduce the steel to the final thickness and refine the steel microstructure. The mill features automatic gauge control (AGC), work roll bending and work roll shifting technology. A vertical edger allows improved width control and edge quality.

9. Flying Crop Shear

Steel is cut into "mother" plates up to 240 feet long.

10. Laminar Cooling

On-line accelerated cooling uses water to reduce plate temperature quickly and uniformly to enhance physical properties with less alloy additions.

11. Down Coiler

Strip is wound using an adjustable wrapper to prevent surface damage. Coils exit the process here. Coils can weigh up to 75,000 pounds and 1250 P.I.W.

12. Hot Leveler

Rollers flatten plate to 1/2 ASTM flatness tolerances or better.

13. Disk-Type Cooling Bed

Bed uses rotating disks to roll (rather than drag) plates across air-cooling beds to prevent gouging of the bottom surface.

14. Static Shear

Shear cuts heavy plate up to 2" thick in lengths of up to 80'. A laser velocimeter is used to measure plate length to ensure cutting accuracy.

15. Rotary Shear

The edge trimmer is able to provide a sheared edge on plates up to 5/8" thick.

16. Cold Plate Leveler

Designed to ensure 1/2 ASTM flatness tolerances or better for sheared plates up to 1" thick.

17. Heavy Plate Piler

Single and twin stack piling for 5/8" to 2" thick plates.

18. Plate Bundle Conveyor

Transfers plate to shipping bays.

19. Stack Cooled Plate

Plate slow cooling ensures optimum internal quality for heavy gauge plates.

20. Burning Bed

Heavy gauge > 2" to 3" thick plates are burned to length.

Not shown:

21. Slitter (Montpelier)

96" wide slitter can cut coil multiples up through 5/8" thick.

22. Blast and Paint (Mobile)

23. Normalized and Quenched & Tempered Heat Treatments (Mobile)