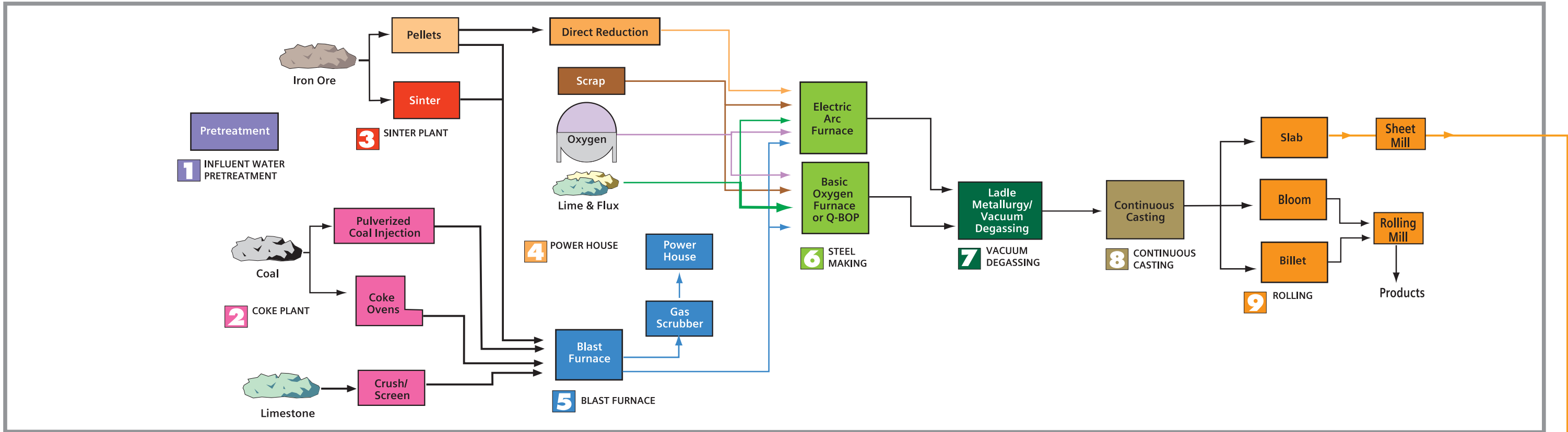
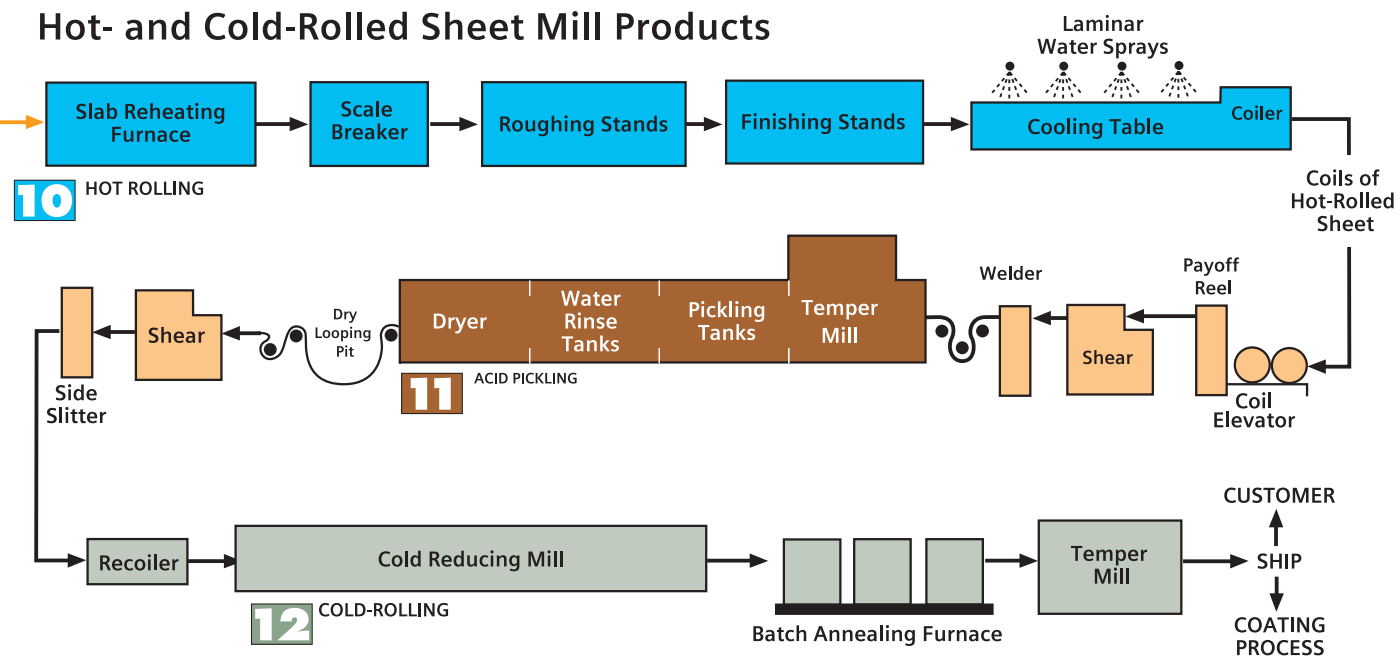


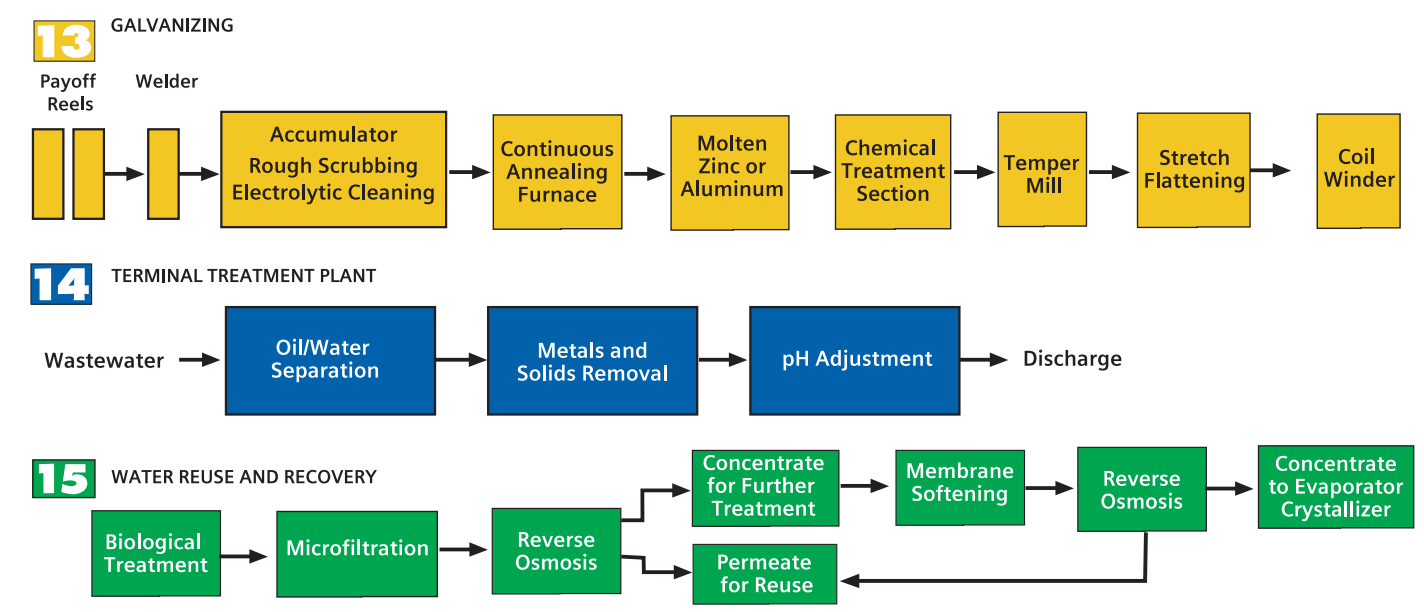
IRON, STEELMAKING AND FINISHING PROCESS



Hot- and Cold-Rolled Sheet Mill Products



Coated Sheet Mill Products



- 1 Intake Screening**
- Trident® filtration system
 - Puls-A-Clar™ clarification system
 - Contrafast® high rate clarifier
 - Contraflo® solids contact clarifier
 - Circular clarifiers
 - Memcor® microfiltration
 - Media filtration
 - Softening
 - Memtek® microfiltration
- 2 Chemical Feed Systems**
- PACT® treatment process
 - Sequencing batch reactor
 - Packaged activated sludge systems
 - Circular clarifiers
 - Parallel plate clarifiers
 - Sludge dewatering
 - Dissolved air flotation

- 3 Sinter Plant**
- Chemical feed
 - Media filtration
 - pH adjustment
 - Sludge dewatering
 - Thickener
- 4 Condensate Polishers**
- Memtek® cooling tower blow down recovery
 - Reverse osmosis
 - Lime softener
 - Side stream filtration
 - Zeolite softener

- 5 Blast Furnace**
- Alkaline addition
 - Chemical feed
 - Clarification
 - Cyanide treatment
 - pH adjustment
 - Sludge dewatering
 - Thickening
- 6 Steel Making**
- Alkaline Addition
 - Chemical Feed
 - Clarification
 - pH adjustment
 - Sludge dewatering
 - Softeners
 - Thickening

- 7 Vacuum Degassing**
- Alkaline addition
 - Clarification
 - pH adjustment
 - Sludge dewatering
 - Softeners
- 8 Continuous Casting**
- Clarification
 - Oil skimming
 - pH adjustment
 - Sludge dewatering
 - Softeners
 - Thickening

- 9 Rolling**
- Deep bed filtration
 - Oil skimming
 - Sludge dewatering
 - Dissolved air flotation
- 10 Hot Rolling**
- Clarification
 - Deep bed filtration
 - Oil skimming
 - Oil/water separation
 - Sludge dewatering
 - Thickening
 - Dissolved air flotation

- 11 Acid Pickling**
- Alkaline addition
 - Chemical feed
 - Clarification
 - Oil skimming
 - pH adjustment
 - Service deionization
 - Sludge dewatering
 - Memtek® microfiltration
- 12 Cold-Rolling**
- Lime addition
 - Oil/water separation
 - pH adjustment
 - Service deionization
 - Sludge dewatering
 - Memtek® microfiltration
 - Dissolved air flotation

- 13 Galvanizing**
- Alkaline addition
 - Chemical feed
 - Clarification
 - Oil skimming
 - pH adjustment
 - SO₂ addition
 - Sludge dewatering
 - Memtek® microfiltration
 - Dissolved air flotation

- 14 Terminal Treatment Plant**
- Chemical feed
 - Clarification
 - Deep bed filtration
 - Lime silo, lime slaking
 - Oil/water separation
 - pH adjustment
 - Sludge dewatering
 - Dissolved air flotation
 - Membrane biological reactor
 - PACT® treatment process
 - Sequencing batch reactor

- 15 Water Reuse and Recovery**
- Memcor® microfiltration
 - Reverse osmosis
 - Memtek® membrane softening

SIEMENS

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