Common forming processes for sheet metals

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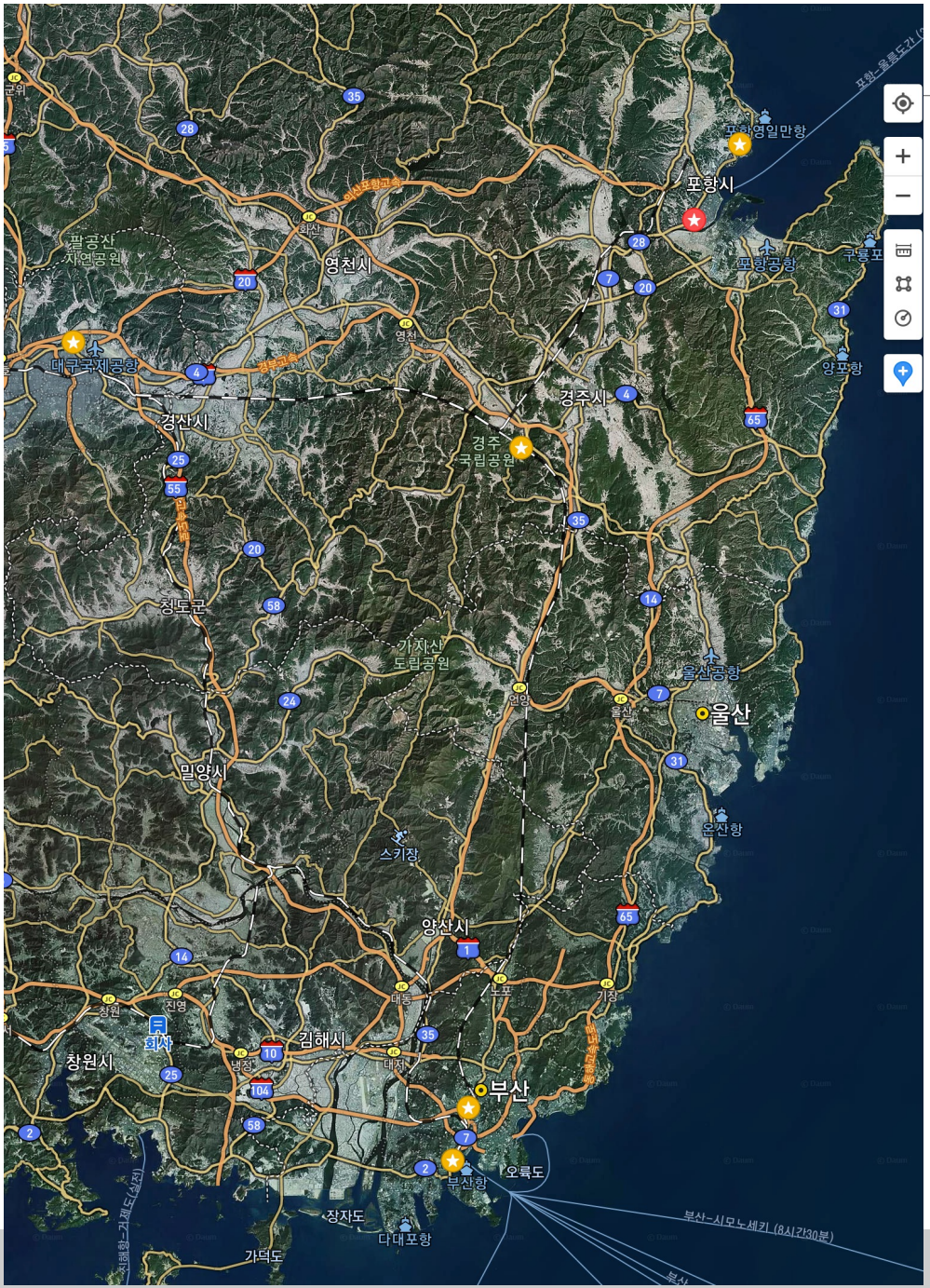
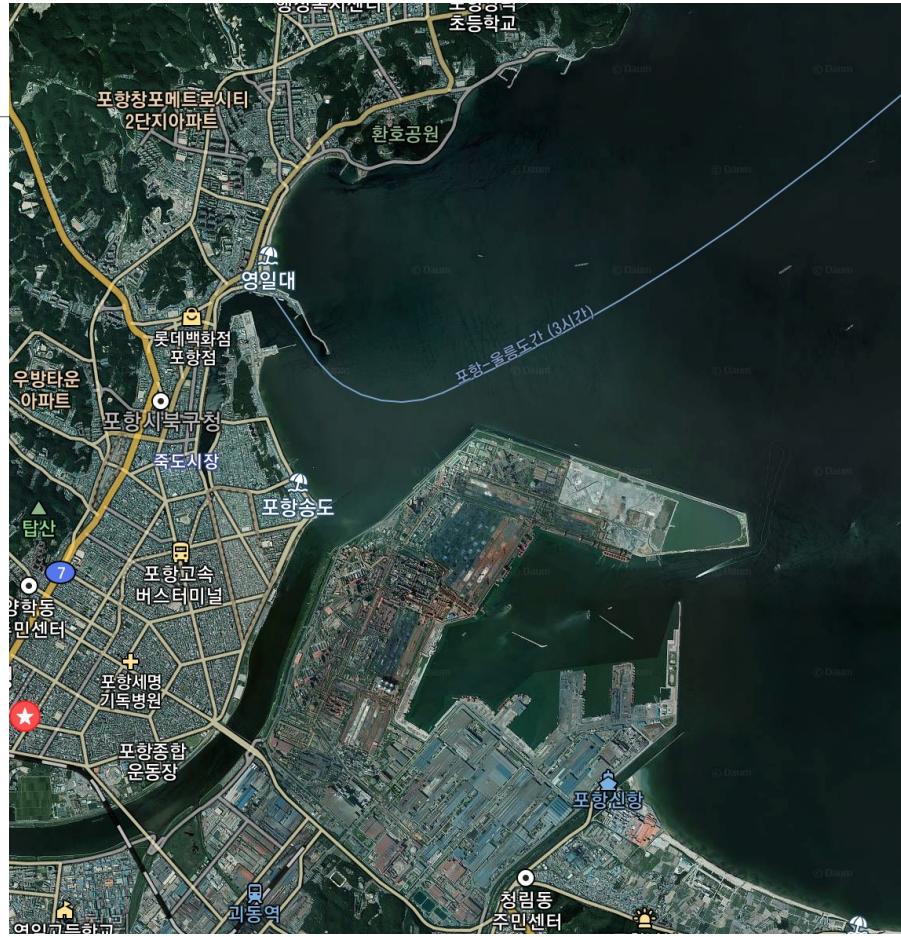
Why sheet metals?

- Modern continuous rolling mills produce large quantity of thin sheet metal at low cost.
- Sheet metals are formed in secondary processes into
  - Automobiles
  - Home appliances
  - Constructions
  - Aerospace
  - Food and drink cans, kitchen products.





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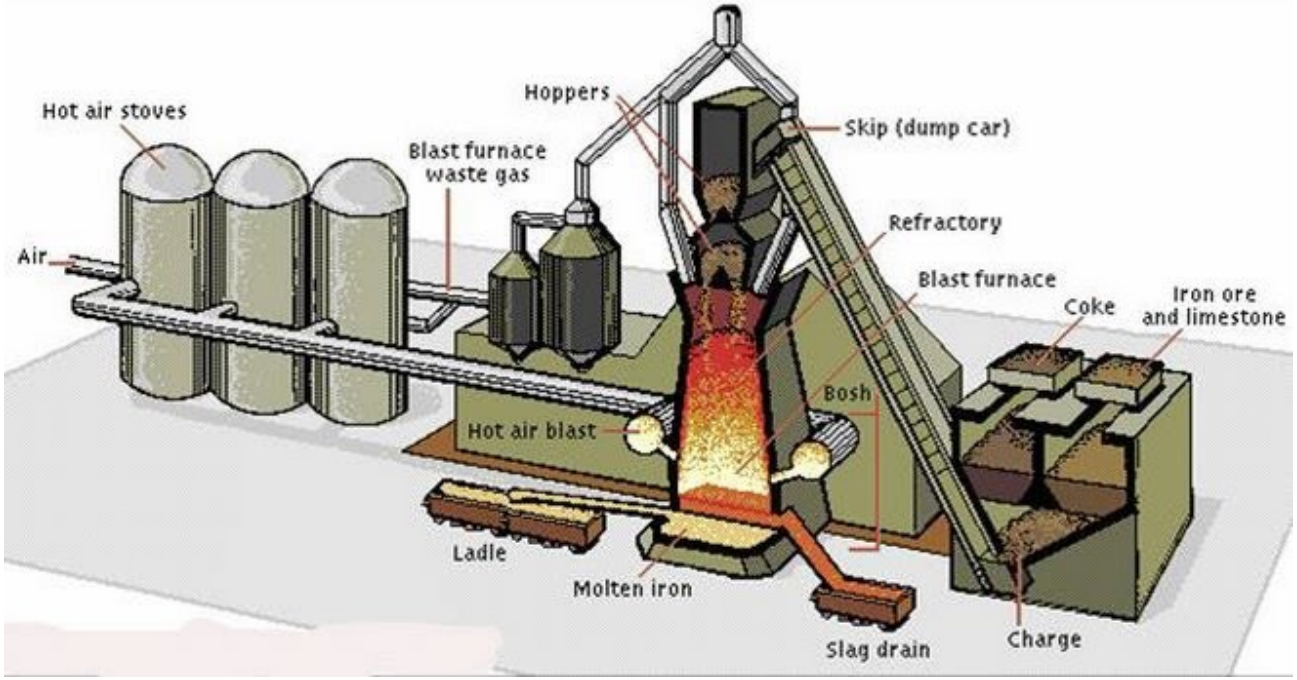
Blast furnace



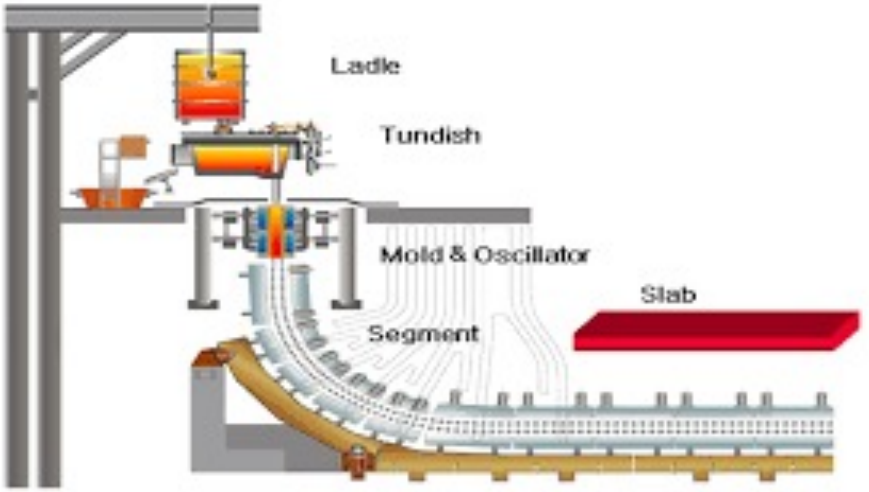
coke 코크스

Iron ore (철광석)

Limestone (석회석)

https://sites.google.com/site/pgsteelcompany/blastfurnace

Continuous casting



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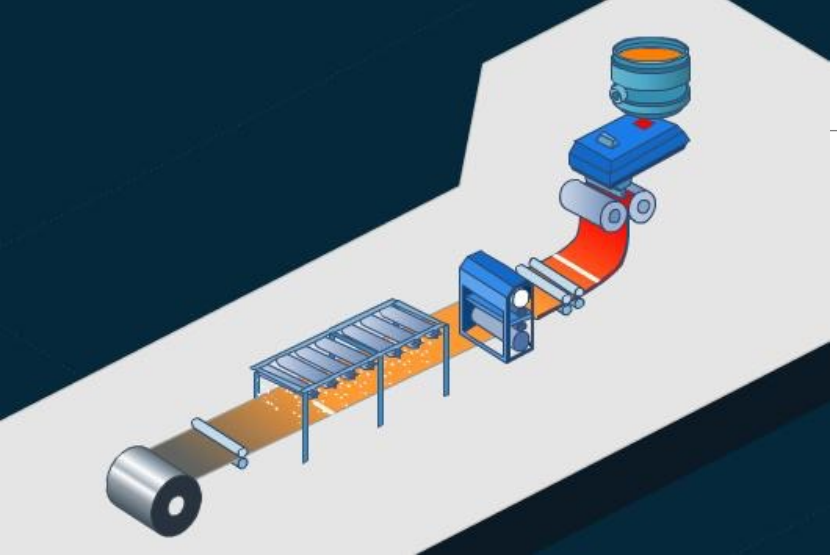

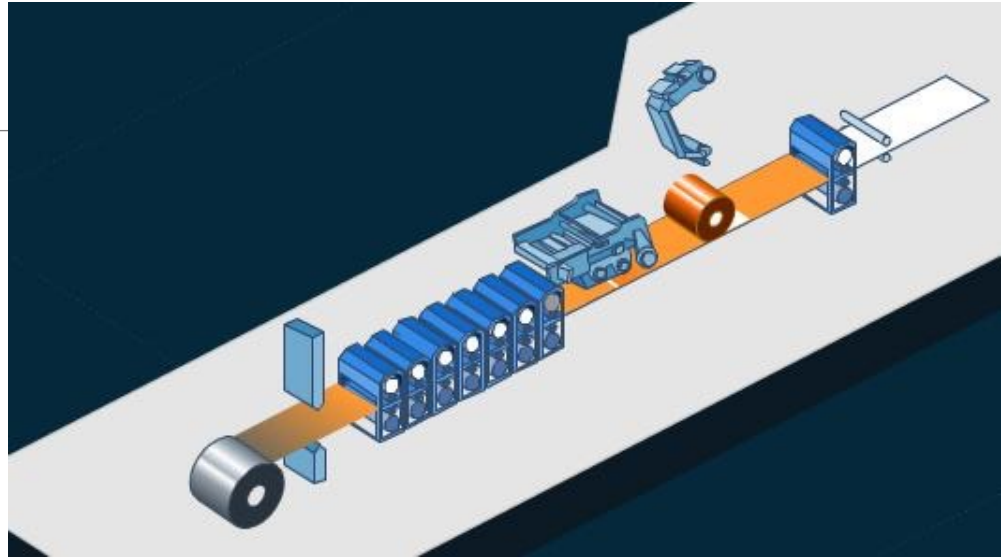

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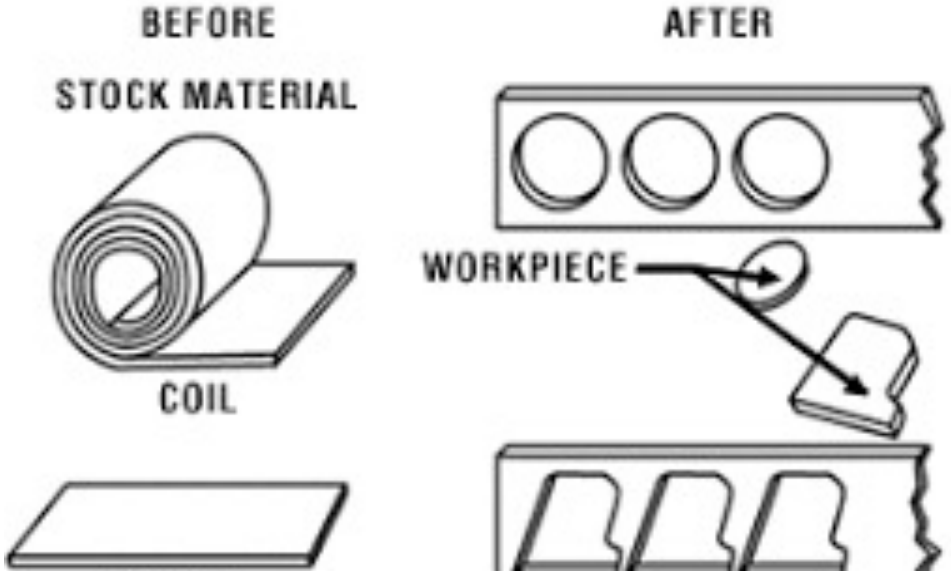
Blanking and piercing



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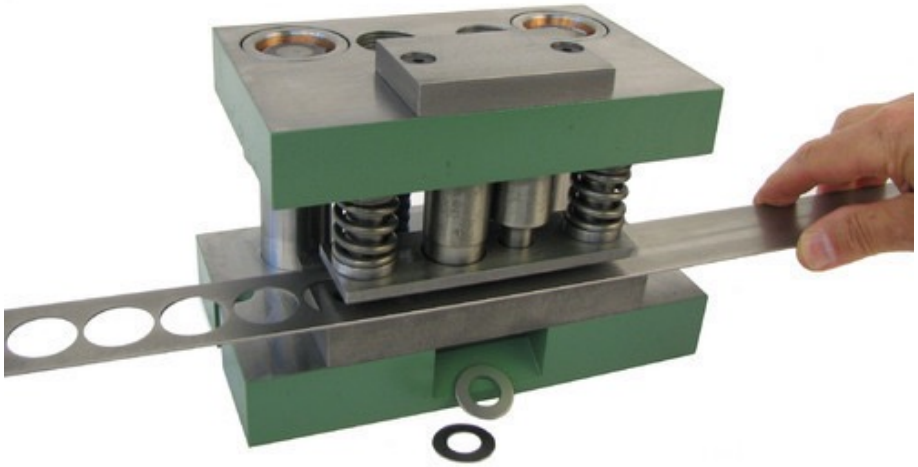

Glorieux et al., RCIM (2020) vol. 61, 101843

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