

Common forming processes for sheet metals

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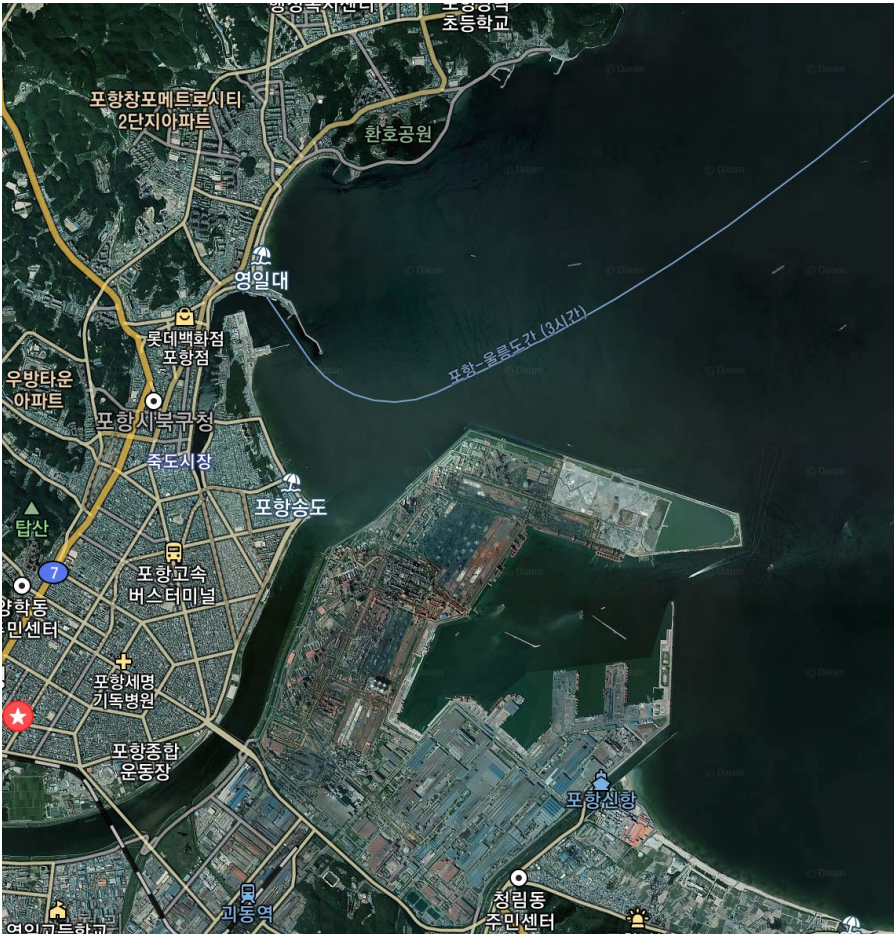
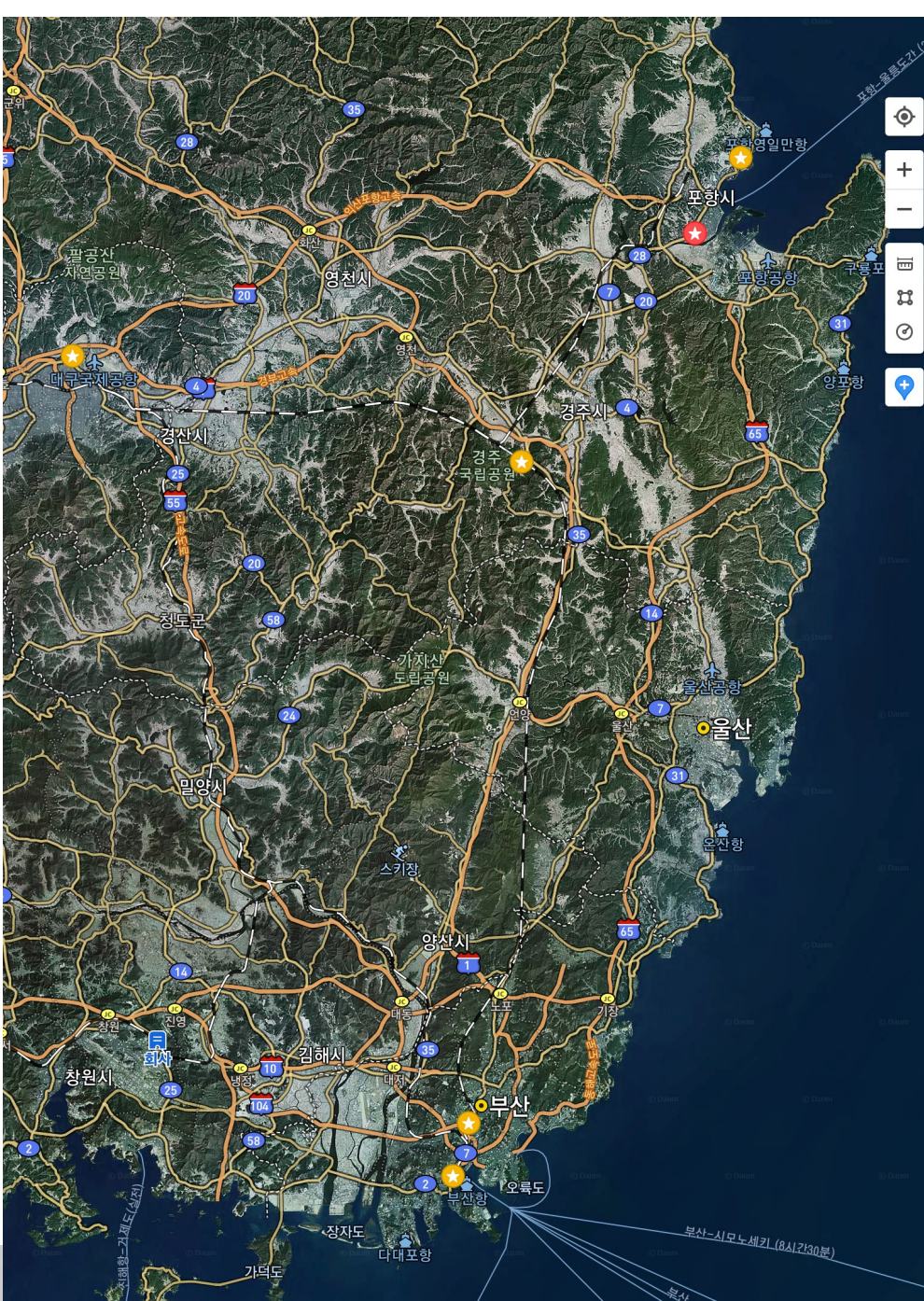


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<https://github.com/youngung>

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.



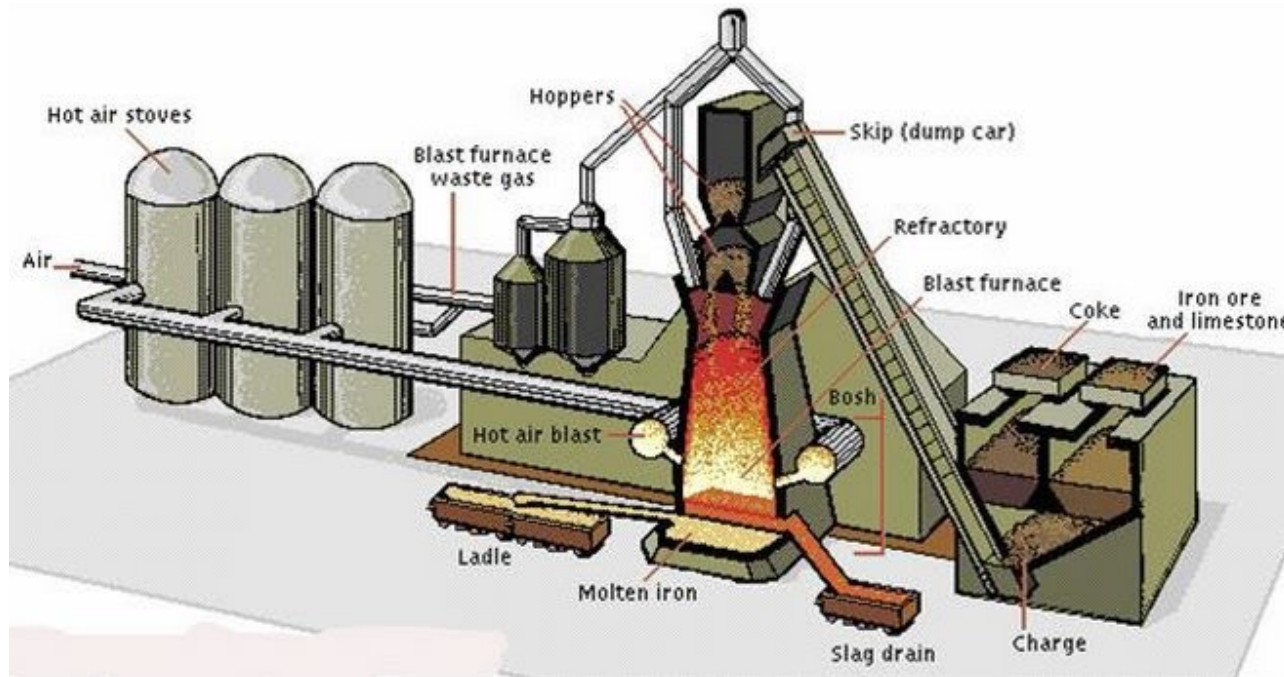


<https://map.kakao.com>





Blast furnace



coke 코크스



Iron ore (철광석)

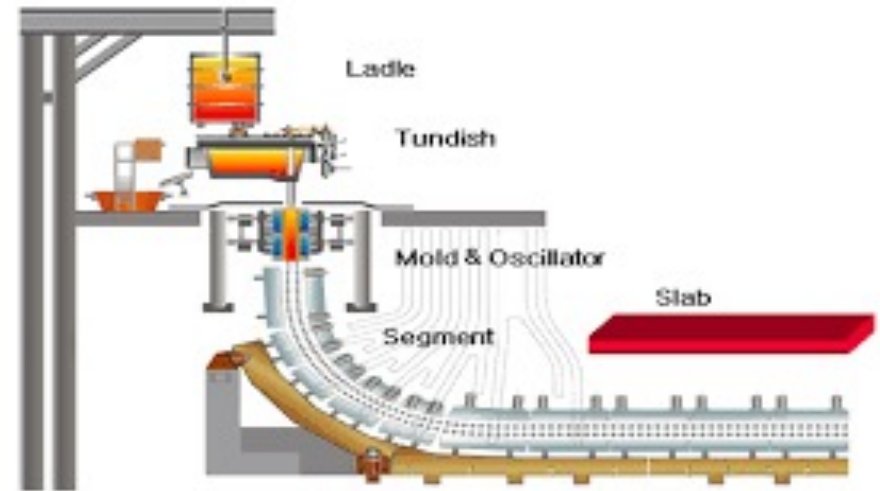


Limestone
(석회석)

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



Continuous casting



<http://www.snmnews.com/news/articleView.html?idxno=284923>

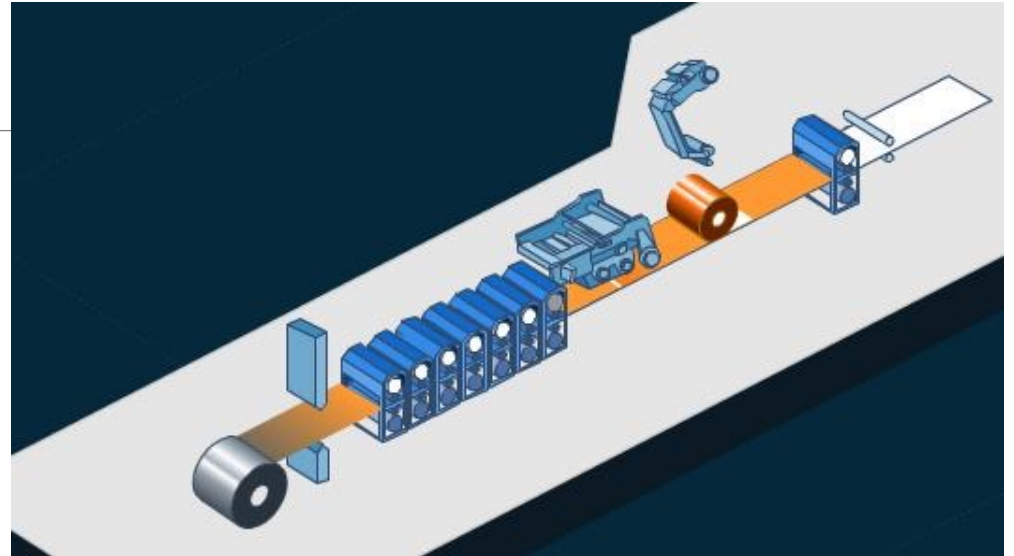
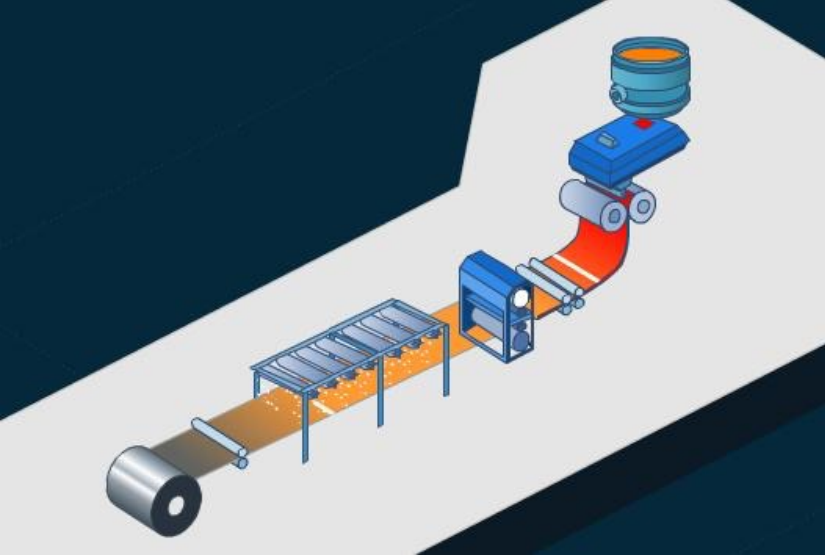
연속주조의 유압식 주형진동 제어인자 고찰, 강기판, 김성연, 이상현, KJMM, (2017)





<https://newsroom.posco.com/kr/포스코-고유의-연주주조-제어플랫폼-개발-성공/>



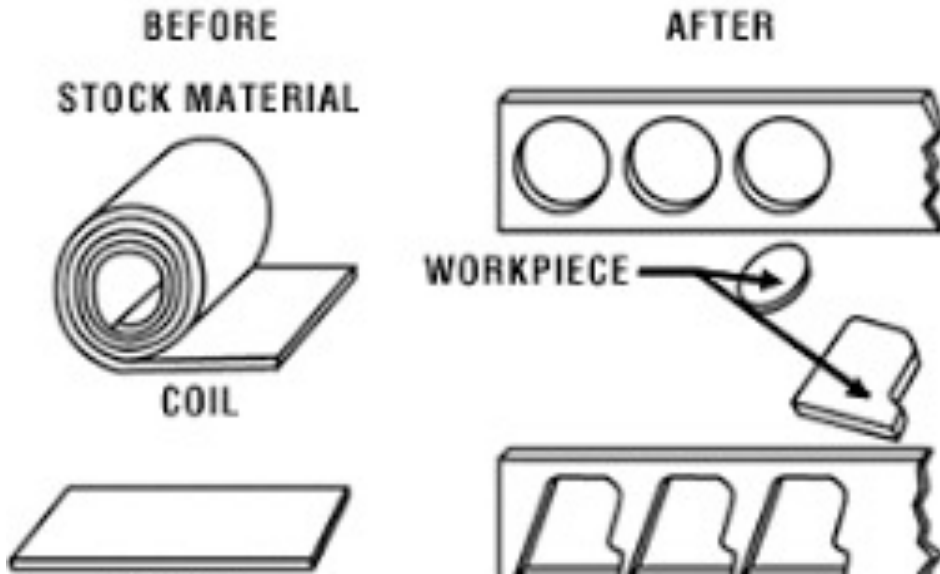


<http://m.posco.co.kr/homepage/mobile/product/technology.html>

<https://smartfuture-poscoict.co.kr/126>



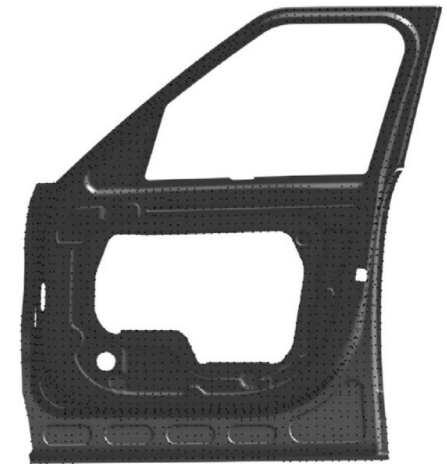
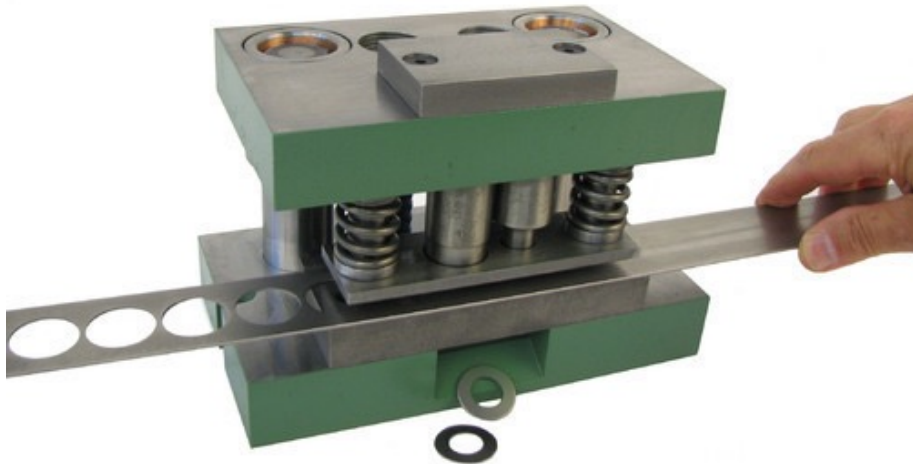
Blanking and piercing



<https://www.firstfour.co.uk/inner-door-panel-for-defender-rh-for-electric-windows-genuine.html>



<http://www.advantagefabricatedmetals.com/blanking-process.html>



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

<https://www.indiamart.com/proddetail/blanking-dies-18363293555.html>

