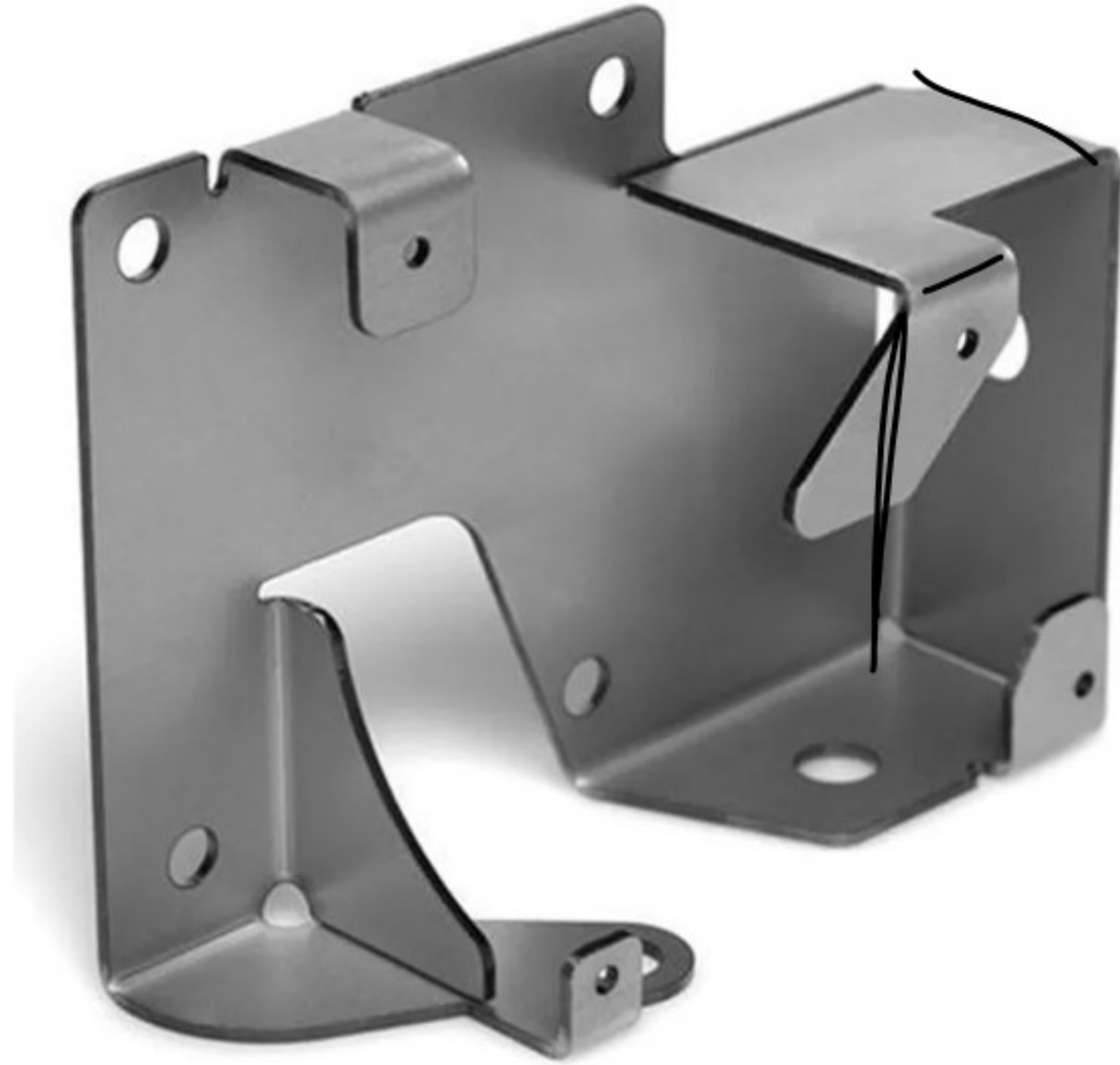


Sheet Metal

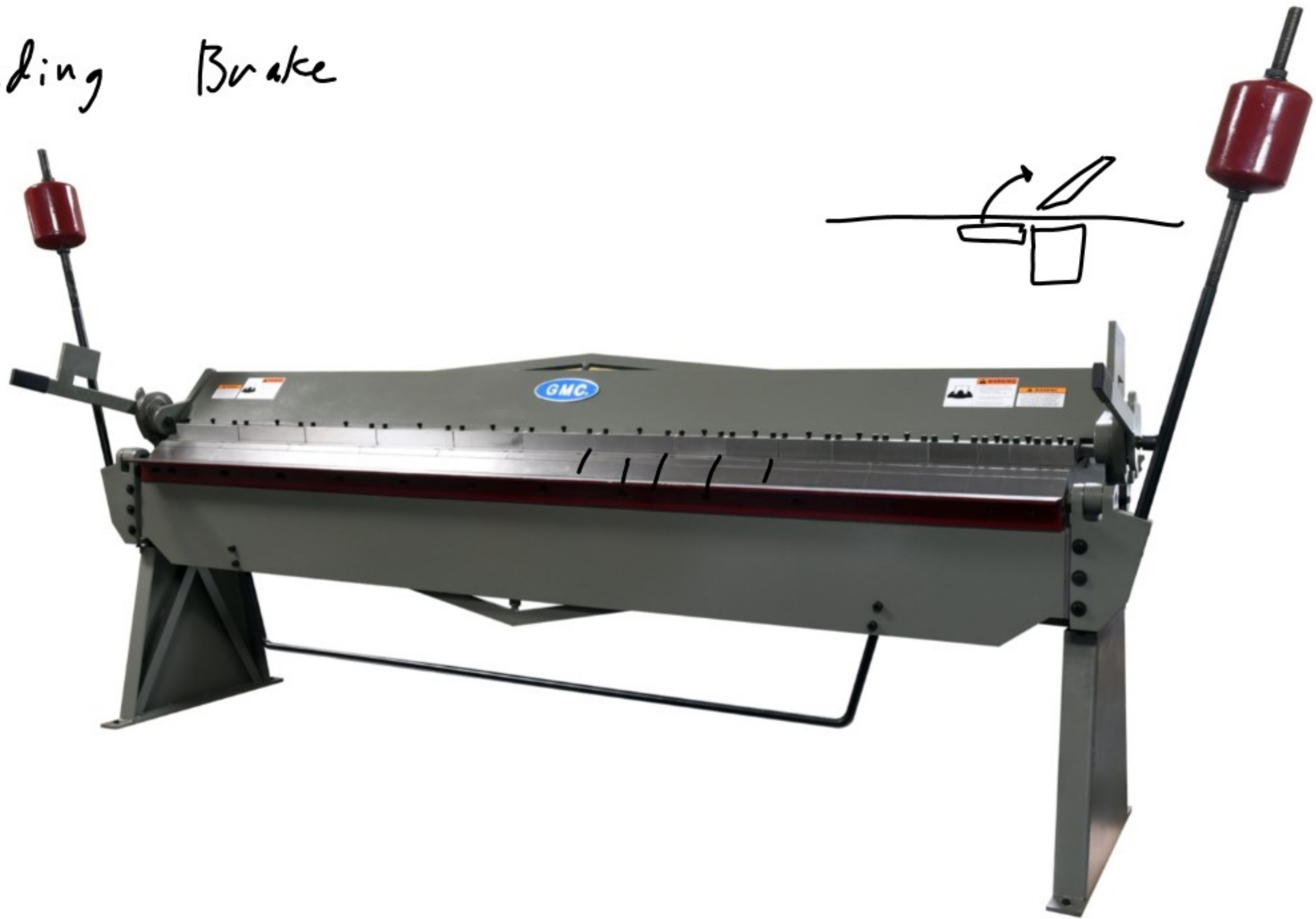




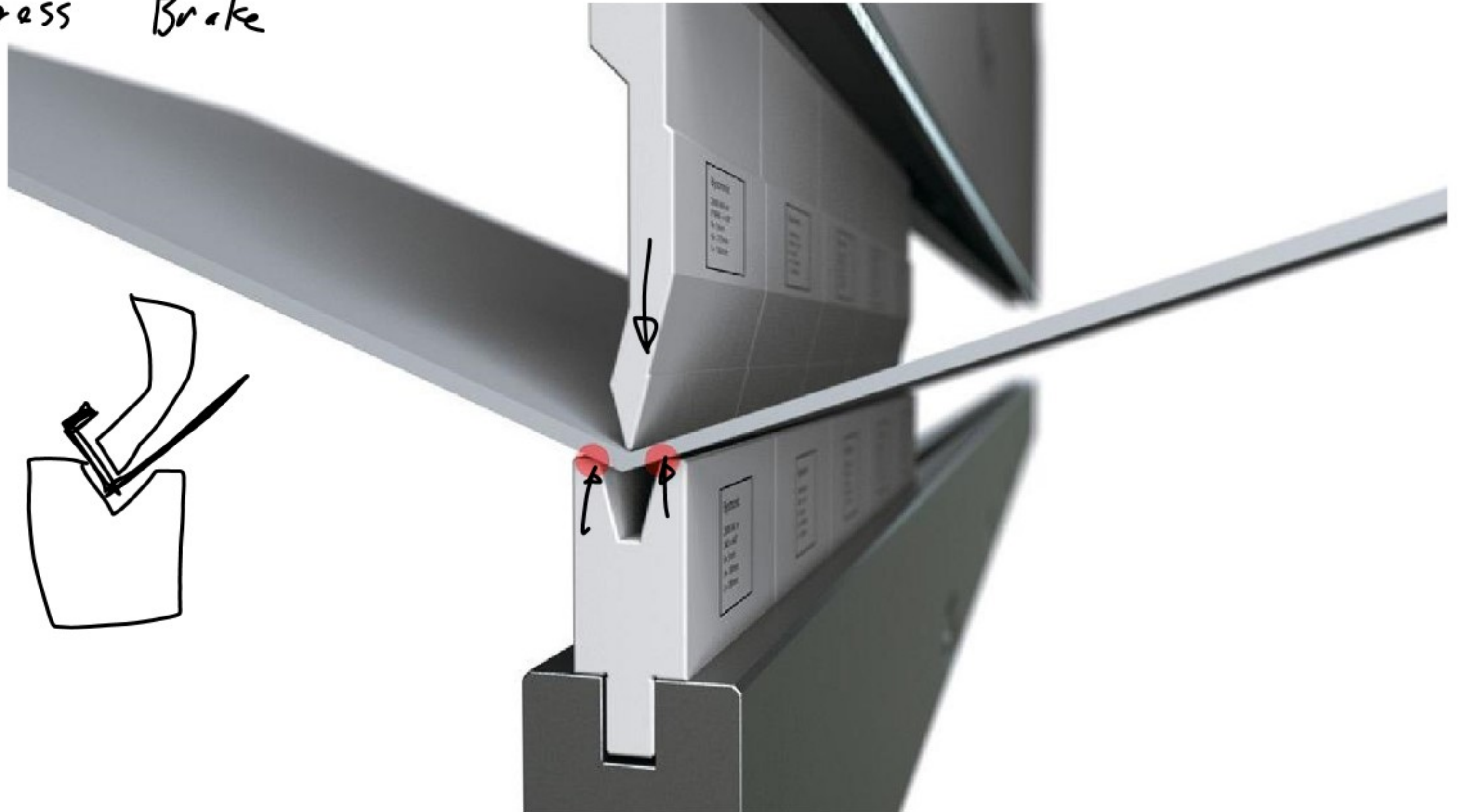
c UL US LISTED
INDUSTRIAL CONTROL PANEL ENCLOSURE
No. B 54006897

EWB
Enclosure Type 1
Enclosure openings must be
filled by equipment having
the same rating as the
enclosure.
Made in China

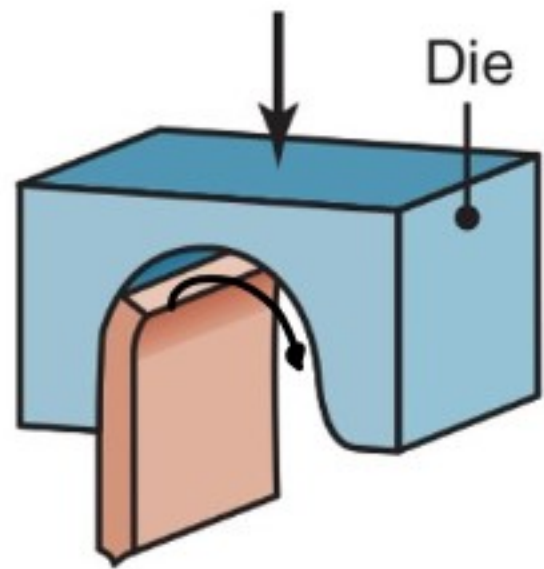
Bending Brake



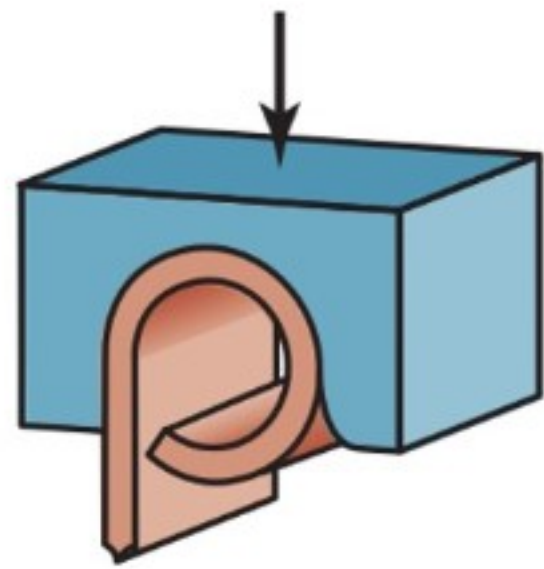
Press Brake





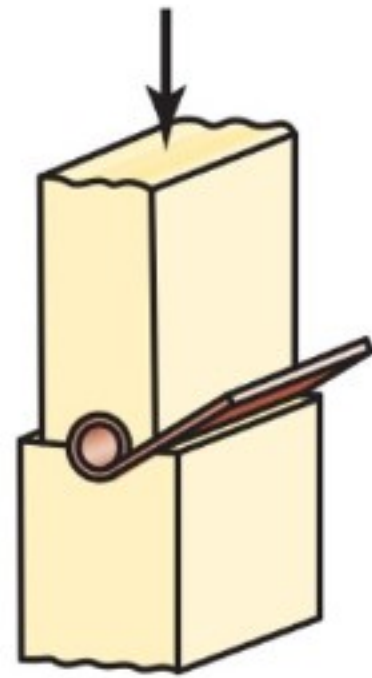
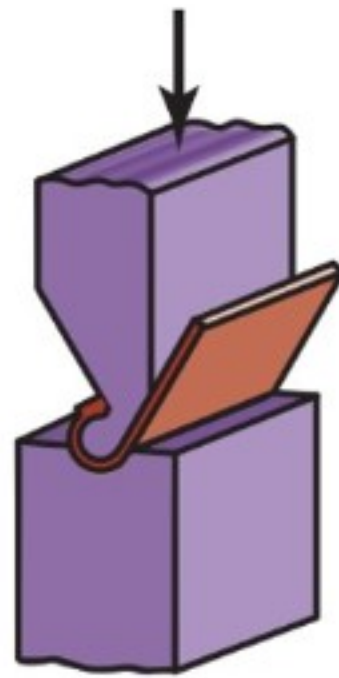


1.



Formed bead

2.



Bend Radius	Condition	
Material	Soft	Hard
Aluminum alloys	0	6T
Beryllium copper	0	4T
Brass (low-leaded)	0	2T
Magnesium	5T	13T
Steels		
Austenitic stainless	0.5T	6T
Low-carbon, low-alloy, and HSLA	0.5T	4T
Titanium	0.7T	3T
Titanium alloys	2.6T	4T

Bending Strain

$$\epsilon = \frac{l}{\frac{2R}{T} + l}$$

ϵ

Strain

R

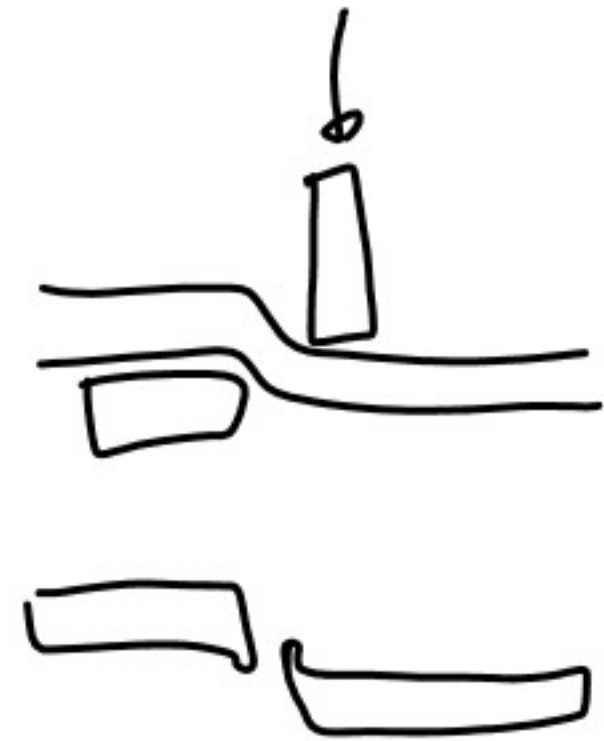
bend radius

T

Material thickness

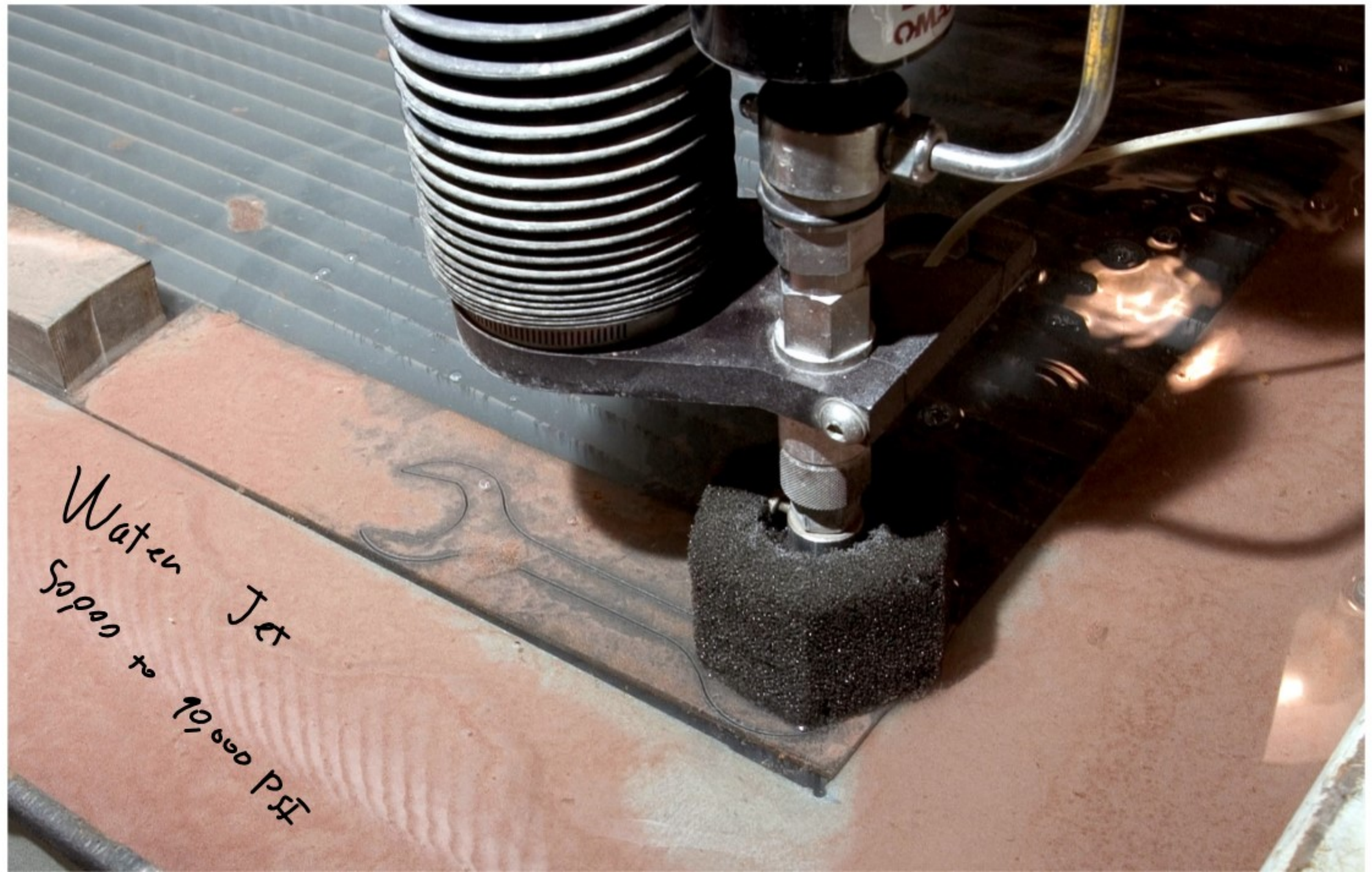


Shear



Stamping

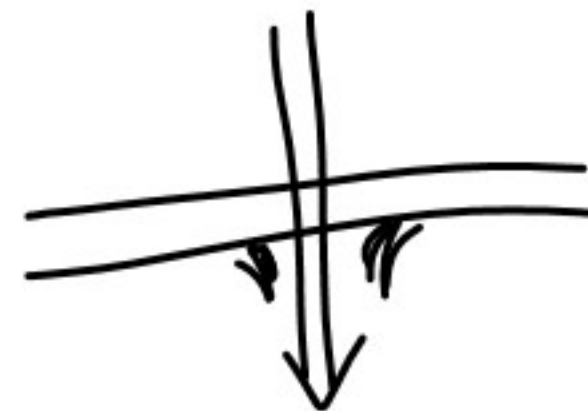
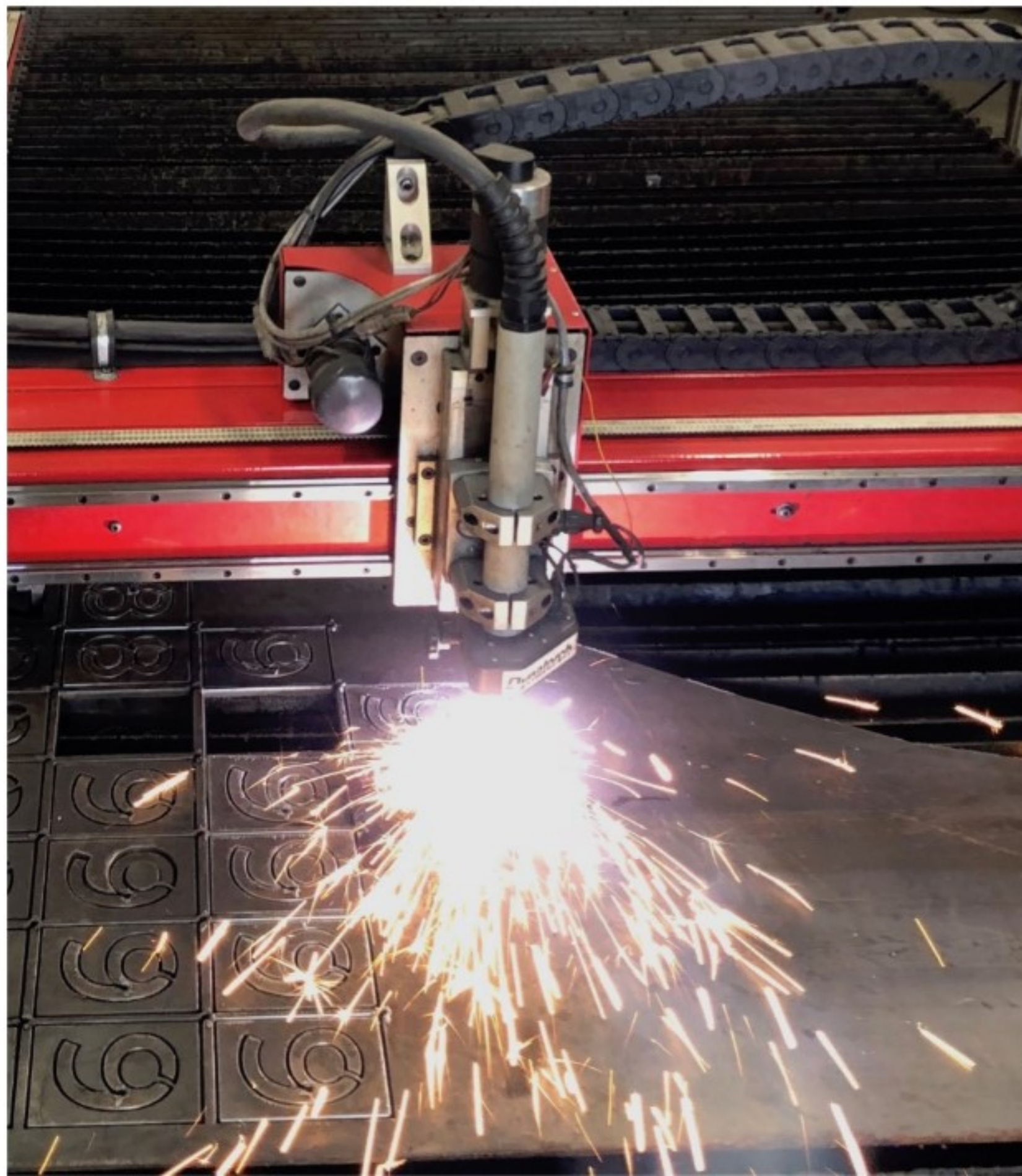




Water Jet
50,000 to
90,000 PSI

Plasma
Cutting

25000 °c





Laser Cutting

500 W
4000 W
5 mm
22 mm

Steel

- ▶ Press Brake (https://youtu.be/_hzkGkkoGDI)
- ▶ Press Brake (<https://youtu.be/BodjtkH1htU>)
- ▶ Bending Brake (<https://youtu.be/K-CIZahbY58>)
- ▶ Sheet Metal Stamping (<https://youtu.be/5CuJjSk4U38?t=6>)
- ▶ Water Jet Cutting (<https://youtu.be/3yV-uJHla58?t=1521>)
- ▶ Plasma Cutting (<https://youtu.be/S6QND5GmWpA?t=45>)
- ▶ Laser Cutting (<https://youtu.be/r5vsUta5lmo?t=691>)