FINTEC
METAL FINISHING TECHNOLOGY

Slag and Dross Removal Options

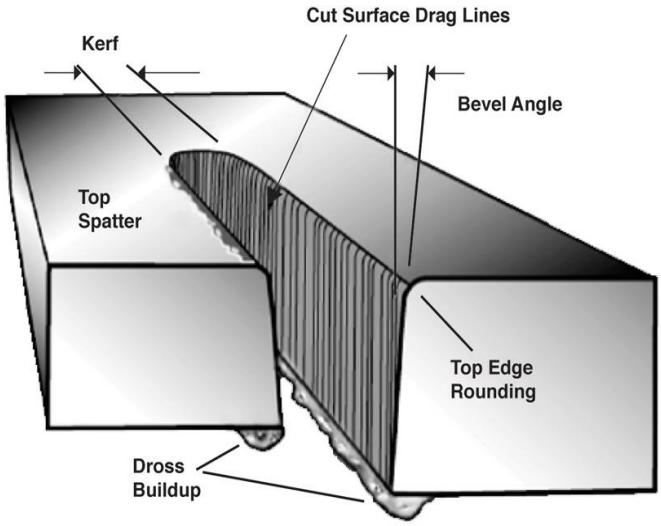
What is Plasma and Laser Dross / Slag?
How is the best way to remove from steel plates?

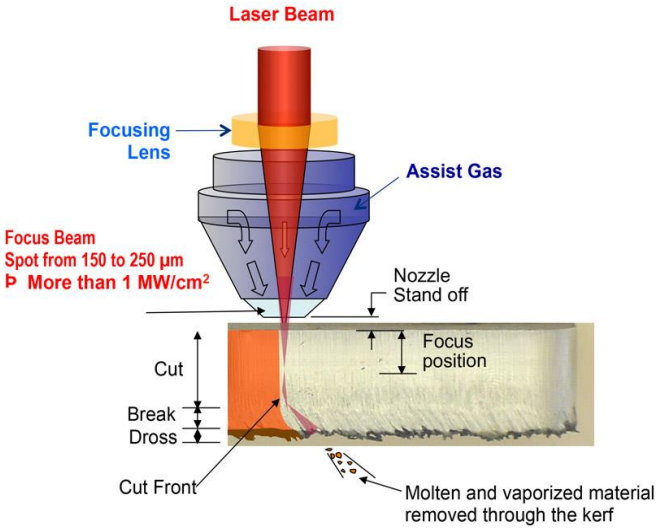
Slag/dross is the product left over after a part or plate is cut out of a sheet of metal by plasma cutting or with a laser!

Plasma Table

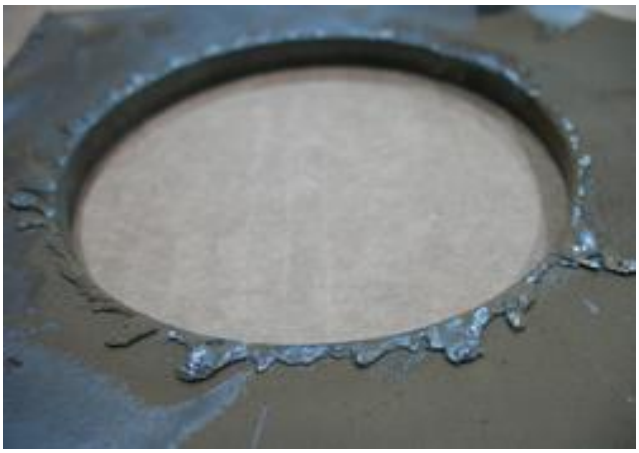
Laser Table

Laser and Plasma Slag & Dross photos:



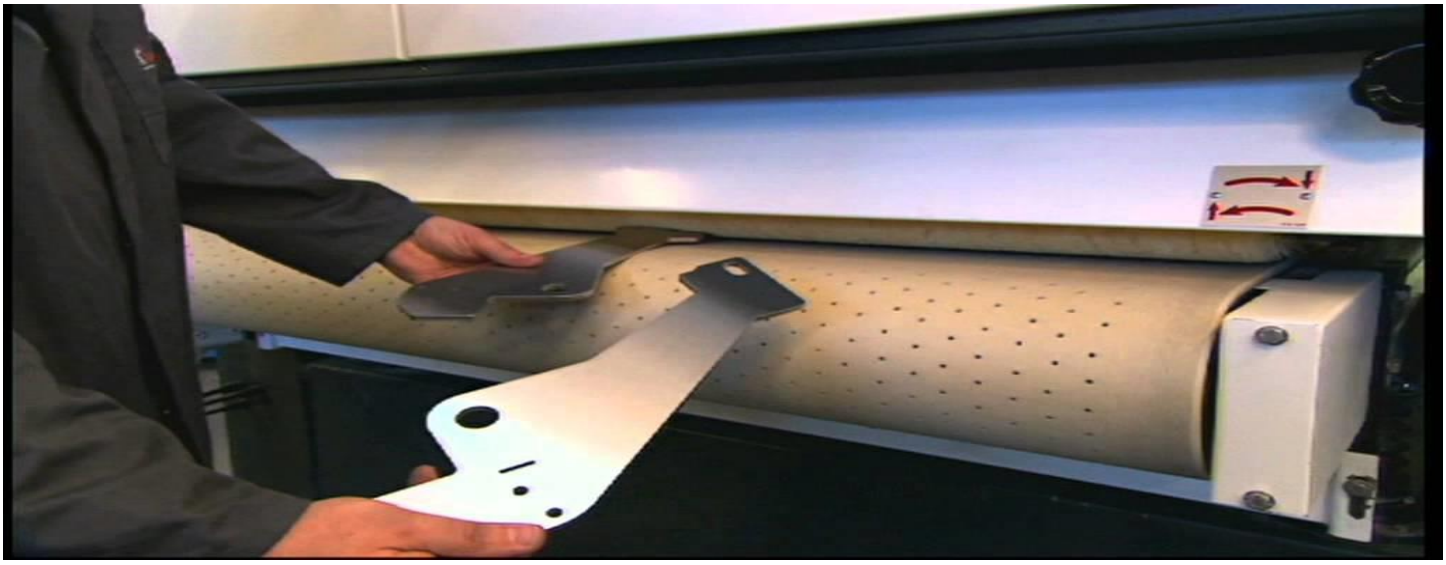


Typical steel plates with Slag and Dross:



The Slag/Dross are a byproduct of the torch or laser cutting through the metal. Depending on the speed of cut, thickness of the metal, and condition of the cutting tip the Slag or Dross can be very thick and hard to remove. The rule of thumb is if you can break it off with your finger nails then you can usually remove it in a vibratory bowl or tub. If it is thicker and you can not break it off then you will likely need to place in a rotating drum, sanding belt machine or you will need to hand grind to remove. It is always best to ask for a photo and a worst case/ best case example before casting judgement on how to proceed! If a customer is doing large quantities of parts, then it can be very time consuming to remove the Slag or Dross from the part! I always ask customers to try to cut parts with optimal speed and with their machine in optimal operating condition to lessen the problem! At times this is not possible, and we must overcome the byproduct!

Common Solutions:
Belt Sander:



Belt and Disc Sander

Tumbling Barrell

Vibratory Bowl and Tub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