



Press News

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PASS Deburr Tool

[PASS Deburr Tool for CNC punching machine](#)

The Deburr Tool was developed due to the need to deburr a sheet (or at least sheet segments) on a CNC punching machine.

The current deburring method is with a secondary deburring machine or to deburr by hand.

The basic idea for this new development is that the punched sheet edges will be punched again with a separate tool in order to remove the punch edge.

The problem is that the removal of the burr does not make sense, as the formation of shavings should be avoided in the first place.



The solution can be found with the

PASS Deburr Tool

With the pyramid-shaped pre-ground punch, the punch burr will be pushed back into the material. This guarantees that no punch burr will appear on the bottom side of the sheet. It also should be considered that deburring is possible even onto edges of 90°!

Further advantages of this tools are:

- + The tool is useable as a length-limited as well as an endless tool for deburring
- + The deburring size can be regulated by the UT-value
- + The tool is flexible usable for sheets of $s = 0,5$ bis 3,0 mm resp. 4,0 bis 6,0 mm
- + The tool is usable for aluminium, normal steel and stainless steel
- + Due to the special angle there will only appear insignificant lateral forces
- + Deburring possible up to 90° edges