

TruServices
Product
Enhancements

Roller deburring



Fast, gentle, safe deburring.

The roller deburring function for TruPunch / TruMatic machines eliminates the need to remove punching burrs manually in a downstream step.

Your benefits at a glance:

- Shorter production times thanks to start-to-finish processing on the machine.
- Almost completely deburred parts of consistently high quality.
- Gentle deburring, hence also suitable for coated and formed sheets.
- Excellent edge quality in combination with the MultiShear slitting tool.
- Lower risk of injuries due to better edge quality.

Roller deburring. Embossing burrs.

With the roller deburring tool, you are able to produce virtually burr-free parts on your punching / combination machine. This saves you the work of having to remove the punching burrs later in a separate, tedious refinishing step. These tools significantly **reduce** the **throughput time** for parts.

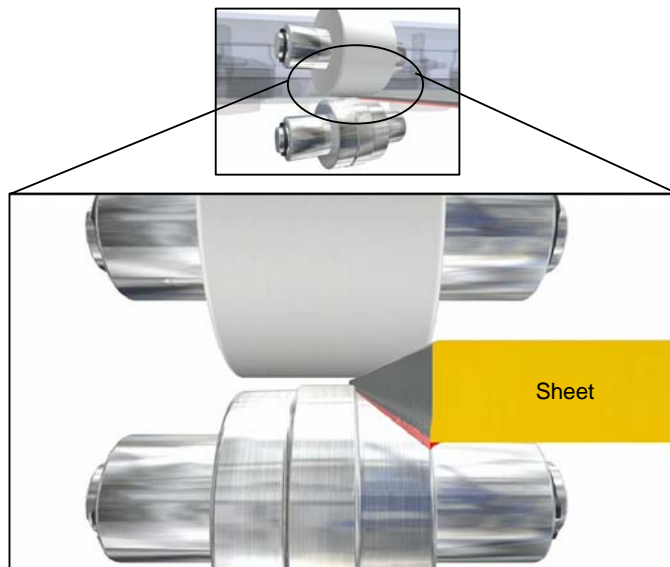
Not only is the productivity increased with this tool but the quality is also enhanced. The tool removes the burr quickly yet carefully. And thanks to the improved **edge quality**, the risk

of injuries during parts handling is reduced.

The roller deburring tool works at maximum axis speed. It has a specially shaped **embossing roller** which displaces the burr and chamfers the edge. You can achieve an even better edge quality if you additionally use the MultiShear slitting tool. For shapes with radii smaller than 20 mm, you can use the deburring MultiTool.

Technical data.

	Roller deburring
Application	Mild steel, stainless steel and aluminum
Sheet thickness	0.8 – 4.0 mm
Programming	TruTops Punch
Processing	Double-sided with a 5 mm cut, otherwise one-sided contours with a radius > 20 mm, rectangular inside corners up to 0.5 mm to the transverse contour
Processing speed	Maximum axis speed



Operation: The embossing roller (bottom) displaces the burr (red) and chamfers the sheet edge (gray).

Requirements for roller deburring:

Can be retrofitted on all punching / combination machines of the new generation. Necessary machine software version:

- TruPunch 1000: SW 1.10
- TruPunch 2020: SW 3.60
- TruPunch 3000: SW 3.10
- TruPunch 5000: NCU 573.3 SW 4.11
- TruPunch 5000: NCU 573.5 SW 5.11
- TruMatic 3000: SW 2.10 (only for punched edges)
- TruMatic 6000: NCU 573.3 SW 3.30 (only for punched edges)
- TruMatic 6000: NCU 573.5 SW 4.10 (only for punched edges)
- TruMatic 7000: SW 3.0