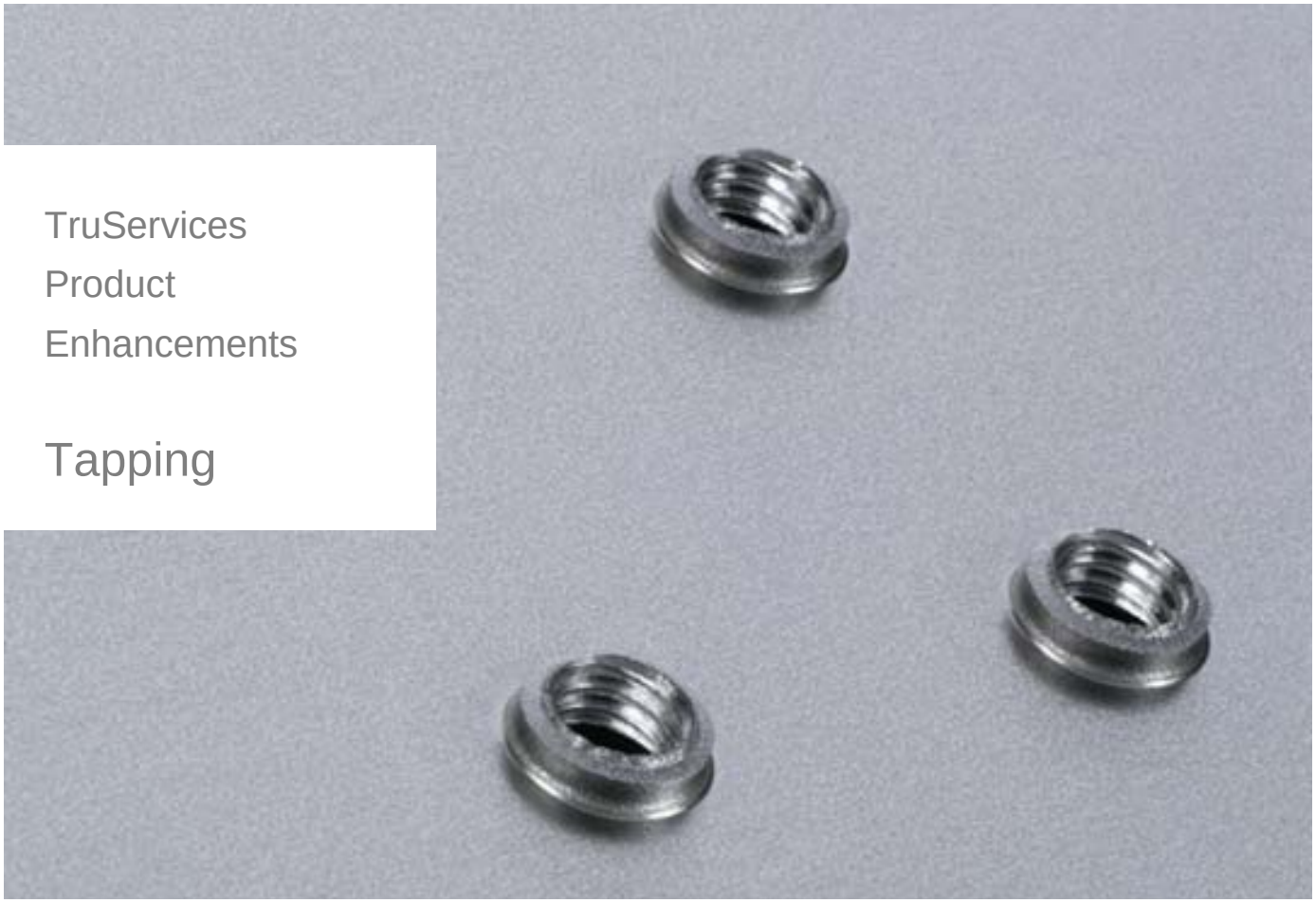
TruServices
Product
Enhancements

Tapping



Threads made without cutting.

With the tapping function for TruPunch / TruMatic machines, you can make threads in no time at all and without producing any chips: definitely a clean job.

Your benefits at a glance:

- No chips.
- Higher strength than with thread cutting.
- Precision: Practically no deviation in the thread dimensions.
- The standards for screw connections are met.
- In soft materials, significantly higher speeds are possible than with thread cutting.
- The threads are formed completely on the machine – no additional work steps are required.
- Welding nuts can be replaced.
- Can also be used in thin sheets.

TRUMPF

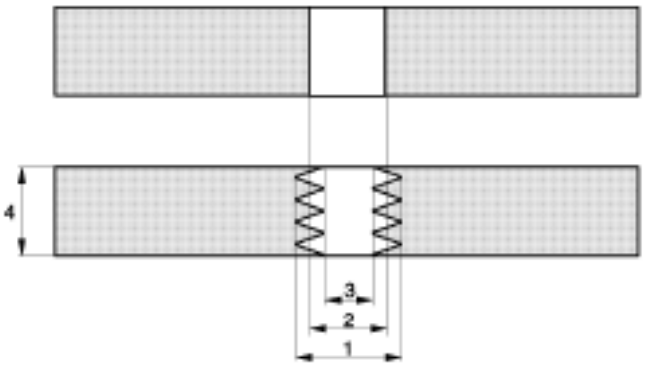
Tapping.
Fast and without any chips.

In tapping, a thread can be produced in a pre-processed or punched hole. Unlike thread cutting, **no chips** result in this process as the material is displaced during the forming process, not cut.

Such formed threads are of **greater strength** than cut threads. In addition, significantly **higher speeds** are possible in soft materials than in thread cutting. Further advantages: Formed threads have higher fit precision and meet the **standards** for screw connections.

Replacing welding nuts with formed threads yields a **price advantage**. In some cases, the sheet thickness can also be reduced if threads are formed in extrusions.

Further savings are possible through **shorter lead times** and by reducing storage space needed for semi-manufactured products. Reason: Tapping enables **complete processing** of sheetmetal parts on a punching machine.



Thread:

1 Outside diameter of the thread
2 Pre-punch diameter
3 Core diameter
4 Sheet thickness

Technical data.

	Max. sheet thickness
Tool type I	1.5 – 5.0 mm
Tool type II	3.0 – 8.0 mm

Tapping tool: die and punch

Requirements for tapping:

The tapping function can be retrofitted on all TruPunch / TruMatic machines of the new generation.
Exception: TruMatic 3000 – a repositioning cylinder is necessary.

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