



PASS BETA-System

PASS BETA-System for Thick Turret punching machines

PASS developed the PASS BETA-System which is compatible to all manufacturers' tooling systems for Thick-Turret punching machines.

The advantage of the system can be seen in the very short set-up time, the easy operation and the robust design.

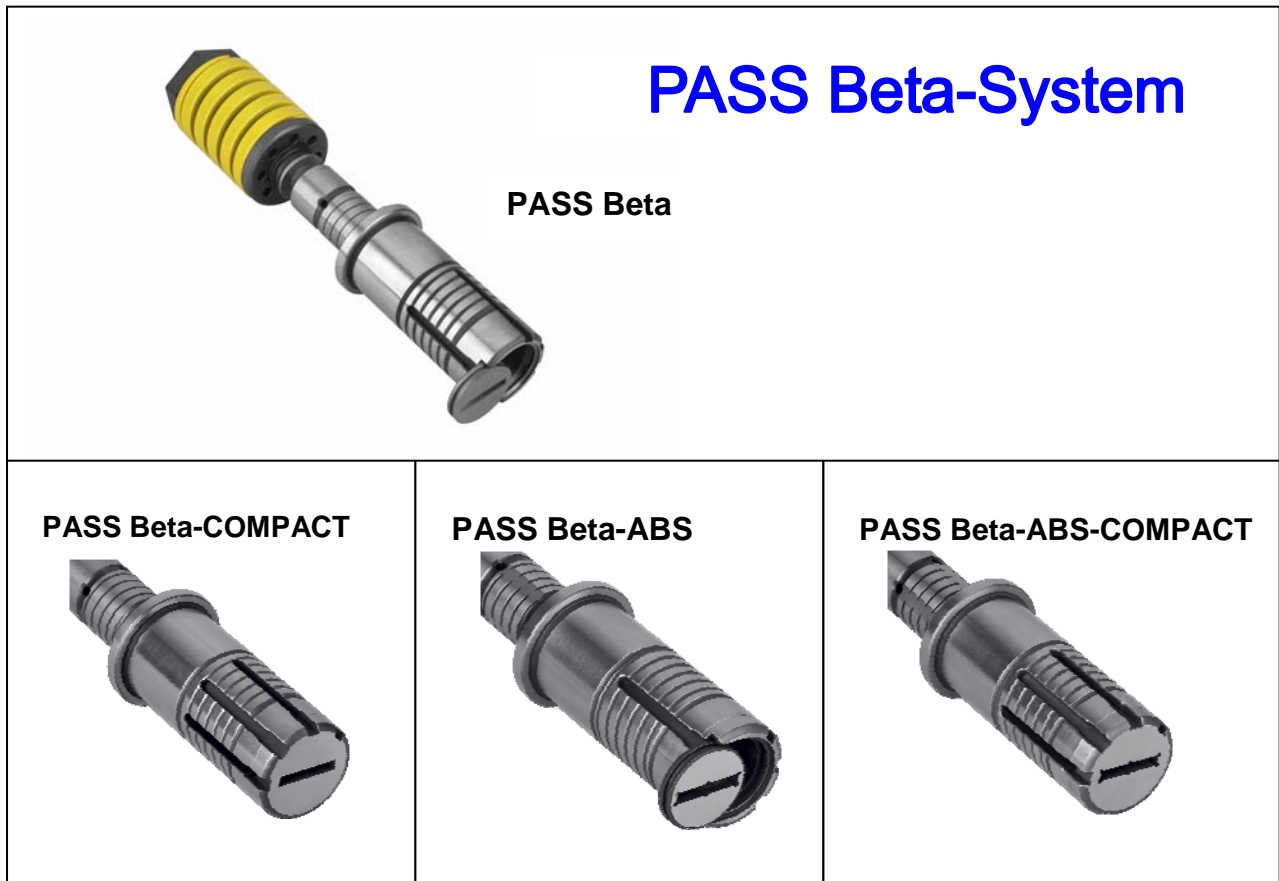
The PASS BETA-System consists of a tightened Head-Spring-Unit, one punch guide independent of the form, and the wear and tear parts "punch body and stripper plate". This means that the tool can be modified to other contours within a very short time by changing only the punch and the cost-efficient stripper plate. No auxiliary tools, as well as, no vice have to be used, only the hands.

Additionally, the system has the advantage of the length adjustment of sharp grinded punches. This length adjustment also has to be made by hand without any auxiliary tool.

The PASS BETA-System can also be delivered with compact punch guide. This means: without stripper plate (e.g. necessary for mild, polished sheet as there is the possibility for impression with the stripper plate). Take attention: the customer can use both guiding systems at will, whereas the Head-Spring-Unit keeps the same.



The PASS BETA-System can also be delivered for machines with grinding device (PASS BETA-ABS). This is the same Head-Spring-Unit as the PASS BETA-System, however, with an additional hole channel for the oil mist. It is to be emphasized that the Head-Spring-Unit keeps also the same but with a hole channel for the lubrication system.





PASS PS180-Bend

180 ° Flange Tool for CNC punching machines

The tool was developed due to the need to make continuous sheet edges of 180° on a CNC guided punching machine.

These flanged edges on sheets are required for e.g.

- cages for animals
- radiators
- different boards
- different cabinets
- cable guard in electronic boards.

The basic idea for flanged edges is to remove the sharp-edged steel to avoid cutting danger without fixing a plastic protection.

The production of the sheet protection edges is realized in a very intricate process at the moment. This means that the costs for tools and set-up time are very high as well.



The solution for these problems can be found in the new

PASS PS180-Bend

Due to the special form of the punch and the die, working like a plough top-down and bottom-up simultaneously, a 1-meter edge length can be produced on a CNC punching machine within 30 seconds.

Further advantages for this tool are:

- ✚ Due to the continuous tool, different lengths are possible
- ✚ Automatically working due to application on a CNC punching machine
- ✚ Especially suitable for small lot sizes
- ✚ Economical tooling costs
- ✚ Low set-up times
- ✚ Available for different angles if requested
- ✚ Useable for different sheet qualities: Aluminium, Steel, Stainless steel

