



SINCE 1962
Coated Abrasives Conversion Equipment
made in Switzerland

Punching machine type SSQ



Punching machine type SSQ
with crush cut system

Machine for punching discs (or other punching designs) of flexible and coated abrasives. The production occurs with a crush cut system and directly from rolls with a maximum width of 320 mm as well as a roll diameter up to 600 mm.

- » Disc production directly from rolls
- » Maximum disc diameter up to 225 mm (customer-specific designs possible)
- » Maximum roll width 320 mm
- » Crush cut system
- » Maximum cutting force 250 kN (25 t), continuously adjustable
- » Punching performance approx. 16-20 discs/min. (with single-layer punching and with single tool)
Up to 3 times higher with multi tool and multi-layer punching
- » Adjustable penetration depth of the blades (steps of 0.05 mm)
- » Adjustable feeding system 80 ... 300 mm



Several punching tool designs at a glance
(customer-specific designs possible)

Unwind station/Feeding system

- Unwind station for rolls up to $\varnothing 600$ mm and a maximum width up to 320 mm.
- More than one unwind station for double-layered production available on request.
- Adjustable feeding system 80 ... 300 mm.
- Unwinding with fixed shaft and 2 board discs.
- Two-hand control for safety reasons during setup of the machine as well as for the adjustment of the punching tools (cutting depth and cutting pressure).

Punching

- For discs with a maximum diameter up to 225 mm as well as for several other punching designs (customer-specific designs on request).
- Crush cut system with a punching performance of approx. 16-20 discs/minute with single-layer punching and with single tool (depending on feeding length, disc diameter and material). Up to 3 times higher with multi tool and multi-layer punching.
- Maximum cutting force 250 kN (25 t), continuously adjustable.
- Adjustable penetration depth of the blades (steps of 0.05 mm).
- Easy changeable punching tool and punching support.
- Double punching tool (for disc diameters ≤ 150 mm) available on request.
- Automatic rotation of the punching support to reduce wear.
- Counting automatic (endless counting up or counting down with automatic stop).

Collecting tray

- Collecting tray for punched discs as well as punching waste like center holes.
- Ejector cylinder for pushing the punched material into the collecting tray.

Options

- More than one unwind station for double-layered production.
- Double punching tool for the simultaneous punching of two discs (for disc diameters ≤ 150 mm).
- Punching tool according customer-specific design.
- Punching tool holder (depending on the desired design, more than one is needed).



Automatic rotation of the punching support
to reduce wear