

KNOW-HOW from P&S  
for YOUR ADVANTAGE.



# HMT-S5

cutting machine - flexible



## Machine



The HMT-S5 is the optimal addition to our product line for cutting carbide, HSS and ceramics for smaller quantities and special applications. With its modular design, it offers a whole range of possibilities for Machine specially tailored to the needs of our customers. The advantage - in all variants the proven P&S separation technology is built in.

### Variant 01– Single cut



- Manually insert the blank into the prism block
- Bars measuring  $\varnothing$  1 mm –  $\varnothing$  40 mm
- Bar length measuring max. 500 mm, cutting length of min. 5 mm - max. 490 mm (one-sided)
- Adjust the length stop using the handwheel via a display
- Close the safety door and start the machine
- The blank is separated, and the machine moves to the home position

### Variant 02 – Sequential cut



- Manually insert the blank into the prism block
- Bars measuring  $\varnothing$  1 mm -  $\varnothing$  40 mm
- Bar length of max. 500 mm, cutting length of min. 5 mm – max. 490 mm (one-sided) depending on production
- Enter the length and number of units required on the touch screen
- Servo X-axis positions the bar automatically
- Close the safety door and start the machine
- Once the specified job has been completed, the machine moves to the home position

### Variant 03 – magazine operation



- Manually insert the blanks into the magazine (19 units)
- Bars measuring  $\varnothing$  1 mm -  $\varnothing$  21 mm ( $\varnothing$  21 -  $\varnothing$  40 without magazine operation)
- Bar length max. 500 mm, cutting length of min. 5 mm - max. 490 mm (one-sided) depending on output
- Enter the length and number of units required on the touch screen
- Servo X-axis positions the bar automatically
- Close the protective door and start the machine
- Once the specified job has been completed, the machine moves to the home position



## Options



- Additional clamping option for end milling cutters
- Automatic cutting wheels - sharpening unit
- Automatic diameter control of cutting wheel
- Oil mist suction
- Compact fire protection system, Kraft & Bauer
- Coolant treatment system
- Coolant return pump tank
- Remote maintenance module
- Height-adjustable tableau
- Reversible prism 1-fold 90° - cross-section 3 x 3 mm - 20 x 20 mm
- Prism flat material – cross-section 3 x 3 mm – 20 x 40 mm
- Bundle separation up to Ø 4 mm

## Overview



- Compact machine
- Long-lasting high-quality mechanical engineering
- High degree of flexibility
- Special bars
- Ease-of-use
- Variable separating feed
- Optimum cooling increases service life
- Separating feed secured by means of a sliding clutch
- Automatic diameter control
- Diameter range measuring Ø 1 mm – Ø 40 mm
- Positioning accuracy ± 0.05 mm
- Bar lengths of min. 500 mm - cutting length of min. 5 mm - max. 490 mm (one-sided)



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P&S Maschinenbau GmbH  
Am Taschinger Berg 8  
93413 Cham  
Germany

Telefon +49 (0) 9971 39 27-0  
Telefax +49 (0) 9971 39 27-27  
E-Mail: [info@ps-maschinenbau.de](mailto:info@ps-maschinenbau.de)  
[www.ps-maschinenbau.de](http://www.ps-maschinenbau.de)

