

**KNOW-HOW from P&S**  
**for YOUR ADVANTAGE.**

# HMT-S6

cutting machine - automated



## The machine



The HMT-S6 is our new product for separating carbide bars and HSS. The different loading and removal area options enables you to create a machine specially tailored to your customers' requirements.

The option to load the machine from the outside either manually by hand, optionally by robots or by using a lift loading unit leads to no downtimes, and also means that the machine can mass produce.

Furthermore, you have the option to make optimum use of the bar, thanks to different cutting lengths.

The best tried-and-tested P&S separation technology is installed.

## Loading



- Blanks are inserted manually or automatically into the external magazine
- Bar length of min. 60 mm - max. 500 mm, cutting length of min. 5 mm - max. 490 mm (one-sided)
- Enter the length and number of units required on the touch screen
- Start the machine
- The external magazine moves into the machine, lays the bars down in the internal magazine out and moves back into the home position. Then, the external magazine can be reloaded during the separation process.

## Separation and removal



- The bars are automatically lifted into the prism, then positioned and separated
- Once the separation process is complete, the separated blanks are conveyed into the removal area. Then, sections are sorted out and the accepted parts are rolled off into a collecting pan/basin via a swing prism or on a conveyor belt
- Further transport tailored to our customers' requirements





## Variants



### General options

- Order management
- Rod measurement system
- Oil mist suction
- Compact fire protection system, Kraft & Bauer
- Coolant treatment system
- Coolant return pump tank



### 1x cut

- Ø 1 mm - Ø 21 mm
- 1 bar per cutting cycle

### 3x cut

- Ø 1 mm - Ø 13 mm
- 3 bars per cutting cycle

### 5x cut

- Ø 1 mm - Ø 6,5 mm
- 5 bars per cutting cycle

## Overview



- Long-lasting high-quality mechanical engineering
- Ease-of-use
- Variable separating feed
- Different cutting lengths
- Optimum cooling increases service life
- Separating feed secured by means of a sliding clutch
- Automatic diameter control
- Continuous operation due to the external magazine
- Diameter range Ø 1 mm - Ø 21 mm
- Positioning accuracy  $\pm 0.05$  mm
- Bar lengths of max. 500 mm - cutting length of min. 5 mm - max. 490 mm (one-sided)





dewaxed rods cutting machine - cutting machine - chamfer grinding machine  
everything from a single source

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