maag
a DOVER company

automatik scheer
strand
pelletizers

Cutting rotor

More than the sum of the teeth

The cutting rotor ist the „heart“ of every strand pelletizer. The rotor performance is significant for product quality, system availability and production costs, which is why it should be optimzed for each application area. As leading manufacturer of pelletizers with many years of experience, we are the perfect partner for choosing the right rotor.

Your benefits

- High lifetime
- Special tooth profiles and number of teeth for all applications
- Consistent pellet quality
- Lower costs

Cutting rotor

More than the sum of the teeth

Different characteristics, like rotor material, number of teeth and tooth profile, can be optimzed for every product in strand pelletizing to achieve best results in quality, throughput and lifetime.

Our tooth profiles are field tested and we offer solutions for various applications, such as:

- **SB15:** Razor-like tooth shape for soft, flexible strands
- **SB14:** Specially developed for cutting brittle strands
- **SB13:** Steadfast profile for cutting long fiber reinforced strands (LFRT)

Extract from our range of rotor materials

- **WS01:** Rotors made of hardened chrome steel are the least expensive and most widespread variant. They are used for practically all products in conventional dry cut pelletizing except for fiber filled products. WS01 is not repairable by welding.
- **PM03:** Made of powder metallurgic steel, this rotor is used for similar apllications as WS01 but promises clearly higher lifetimes. It is also not repairable by welding.
- **SL03A:** The rotor shell is made of stellite, which is applied to the rotor core by hot isostatic pressing. Stellite is very corrosion resistant and repairable by welding.
- **SL05P:** This variant has a thicker stellite layer as SL03A and can therefore be resharpened four times more often.
- **HM02G:** Tungsten carbide knives are soldered on a rotor body made of stainless steel. Tungsten carbide offers high wear resistance and this rotor is therefore suitable for cutting fiber reinforced products with lower quantities of filling. Provided that the rotor body is intact, the blades can be individually exchanged when damaged.
- **HM02F:** The tungsten carbide blades are clamped form-fit to the rotor body using a patented system, which allows it to operate on higher resilience. This rotor can be used even with highly filled products and the blades are individually exchangable when damaged.

Should you have any questions, please contact us by phone or email.

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Global contacts, see **www.maag.com**
Contact us at **contact@maag.com**

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