

NEW!!!

**MAIER Knife Ring Flaker MRZ
with unique 3D distribution technology**



... developed to improve material feeding

Uneven material distribution in the flaking chamber is a well-known problem of knife ring flaker systems. As a result, the total installed knife length cannot always be used evenly. This causes uneven wear of the flaker components responsible for the cutting conditions and flake quality.

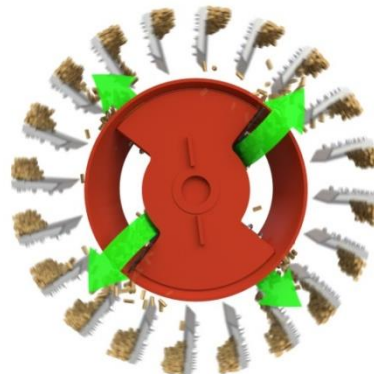
The newly developed FlowOptimizer solves this problem using **"3D distribution technology"**. This ensures the optimum material distribution over the complete knife ring width (knife length) and the entire knife ring circumference.

The FlowOptimizer is a special distribution rotor integrated into the flaking chamber. The chips entering the inner chambers of the distribution rotor, are set into rotation, and are then guided via centrifugal forces through the openings at the front and rear of the system, towards the main rotor.

This achieves optimum material distribution in the flaking chamber, allowing the uniform use of the total installed knife length.

Benefits:

- Increased flaker throughput up to 25%
- Improved flake quality by optimized adjustment of flaking parameters
- Reduced energy consumption up to 20%
- Extended service life of wear parts up to 20%
- Less regrinding
- Simple retrofitting of existing knife ring flakers
- Easy adaptation to different input materials



Homogenous material distribution
over the entire knife ring circumference



Even material distribution
over the complete knife ring width

Click  for FlowOptimizer animation