

# Diamaster PRO<sup>3</sup> Diamaster PLUS<sup>3</sup>

Higher productivity and quality when cutting with Real-Z3

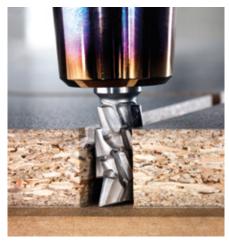


Sizing and grooving sheet-goods with conventionally designed Z3+3 PCD tooling generally restricts the increase of productivity and quality due to the staggered knife arrangement.

The Diamaster PRO³ and Diamaster PLUS³ routers cut at up to 50 % higher feed rates with a purposefully engineered knife arrangement, designed to maximize tool life and performance while maintaining perfect cut quality. This is possible with Real-Z3 technology: closing gaps between the individual knives to increase the number of effective teeth.

#### YOUR BENEFITS

- Higher feed speeds
- Longer tool life
- Perfect quality of edge and narrow surface
- Efficient chip removal





Diamaster PRO<sup>3</sup> (left) – the first choice for sizing on nesting machines and batch size 1 machines.

Diamaster PLUS<sup>3</sup> (right) – the high-performance cutter for industrial sizing.

#### AT A GLANCE

- **Diamaster PRO**<sup>3</sup> Z3+3: resharpenable up to 3 times, diameter 12-16 mm, perfect for nesting applications
- **Diamaster PLUS³** Z3+3: resharpenable up to 12 times, diameter 16-20 mm, perfect for large batches
- Suitable for all conventional panel materials
- Diamond-tipped

## Your benefits due to ...



## Top performance with the help of Real-Z3

- Up to 50 % higher feed speed due to engineered arrangement of the Real-Z3 knives
- Higher throughput by reducing cutting time
- Up to 50 % longer lifetime due to the constant work of the complete number of teeth
- Diamaster PLUS<sup>3</sup> is resharpenable up to 12 times due to the extended resharpening area



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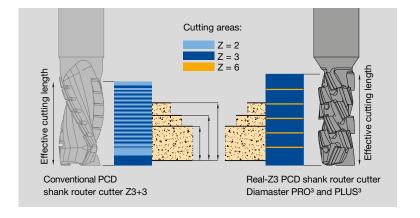
## Production costs can significantly be reduced

- Less rework and fewer rejects with chip-/tear-free laminates and smooth edges
- Efficient chip removal results in less edge-prep before edge-banding
- The Real-Z3 knife arrangement eliminates the need for tool position adjustment or correction



## More effective cutting edges, better machining quality

- Continuous arrangement of the Real-Z3 knives yields excellent cut quality: chip-free edges and smooth sides
- Optimized chip flow reduces dust residue on the workpieces
- Continuous engagement the knives reduces vibration and increases cut quality



Diamaster PRO<sup>3</sup>
Diamaster PLUS<sup>3</sup>
... no compromises
during cutting!





