

Aigner

PRECISION IN BEST TIME



THE REVOLUTIONARY INNOVATION: **Konstantin[®] PRO**

The first DIA milling head system that remains
diameter-constant even after sharpening!

Constant diameter, constant precision!

Our innovation „Konstantin® PRO“ represents the new milling cutter system with exchangeable diamond blades. The milling cutter head is suitable for industrial use on common edgebanding machines and is characterized by its constant diameter even after multiple sharpening cycles. Thanks to this special feature, all machine adjustment work is eliminated.

A QUICK OVERVIEW:

- DIA milling head system
- For edgebanding machines
- Aluminum support body in lightweight design
- Steel-protected chip space with optimized chip extraction for particularly good suction results
- User-friendly exchange of inserts with a torque wrench
- Sharpenable up to 5 times with 0.3 mm removal each time
- Visible status display of sharpening zones on the back of the blade
- For medium to large systems with fast feed rates of up to 30 m/min depending on the number of teeth
- Available in various tooth arrangements such as asymmetric, symmetric, and optionally convex (bulged)

YOUR BENEFITS:



Diameter-constant,
even after sharpening



No need to readjust
the machine after servicing

**DO-IT-
YOURSELF!**

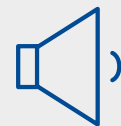
Ability to change
all inserts on-site



Status indicator for
replaceable inserts:
Sharpenable up to 5 times



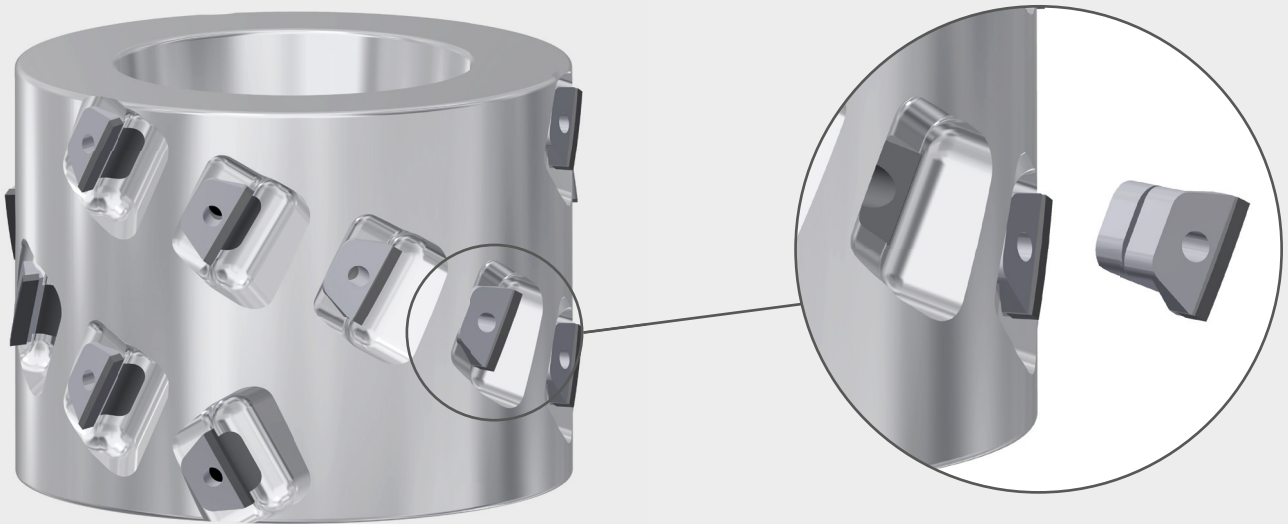
Resource-efficient with
reusable support body



Reduced noise due to
lightweight construction

BLADE CHANGING MADE EASY

The innovative technology makes it quick and easy to change blades. With the help of a torque wrench (3.0 Nm), the blades can be replaced smoothly and efficiently on site. The screw and clamping wedge remain in the base body and cannot fall out.



STATUS INDICATOR FOR SHARPENING ZONE

The DIA replaceable knives are initially marked with five small indicators on the blade back. With each sharpening cycle, one of these indicators is ground away. This means that after the first sharpening, only four indicators remain on

the insert, and so on. When the insert no longer has any indicators on the back, the sharpening zone is depleted, and the blade cannot be sharpened further.



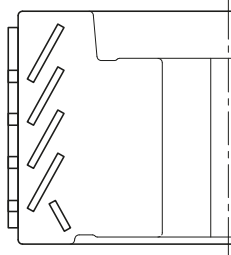
For example:

5 points = Blade has full sharpening zone

1 point = Blade can be sharpened once more

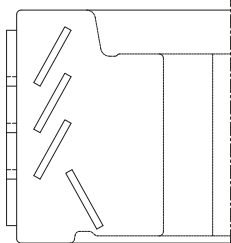
0 points = Blade can no longer be resharpened

The new PRO system offers the following types of jointing cutters:



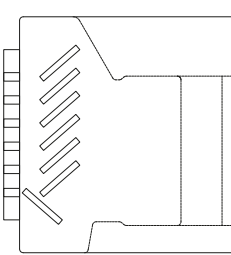
C524

The jointing cutter is equipped with a short cutting edge in the bottom row. This is necessary on some machines in order to be able to mill 8 mm panels.



C534

The blades on this standard jointing cutter are all the same and can therefore be replaced as required.



C544

This jointing cutter has an extremely pulling cut to minimize tears in the top layer. All cutting edges are also interchangeable.

APPLICATION

Ideal for joining on edge banding machines with synchronized and counter-rotating units, suitable for laminated chipboard (melamine & HPL), MDF, multiplex, plywood, and OSB.



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