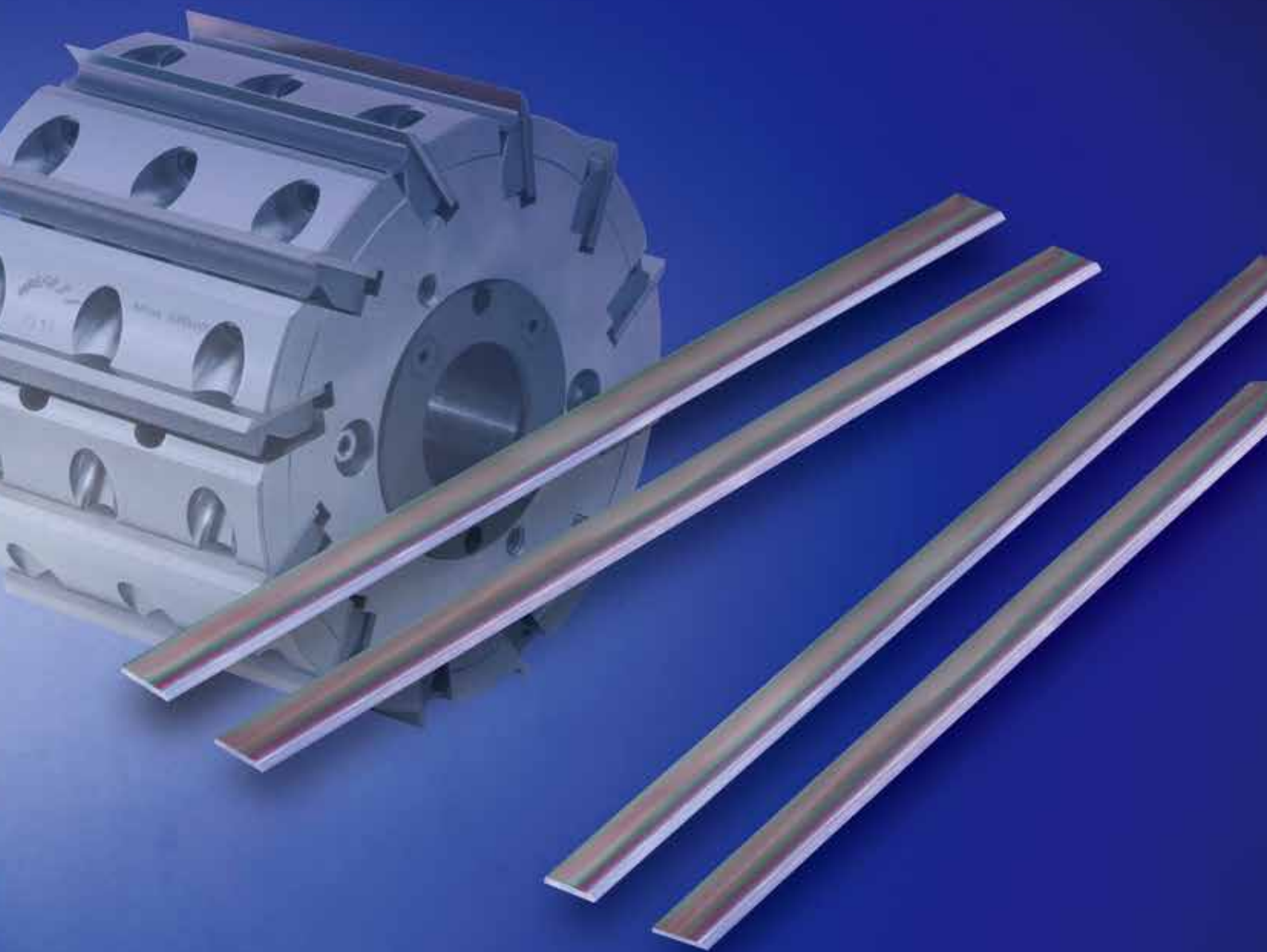


ST-1 Revo

KANEFUSA

Now even longer cutting life!
Coated Planer Knives



Kanefusa - A New Dimension of Performance



JQA-QM3710



JQA-EM3137
Head Office
Factory

*Specifications and appearance are subject to change without notice.
Photographs and illustrations may vary from actual products.
If necessary, please contact us.

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ST-1 Revo

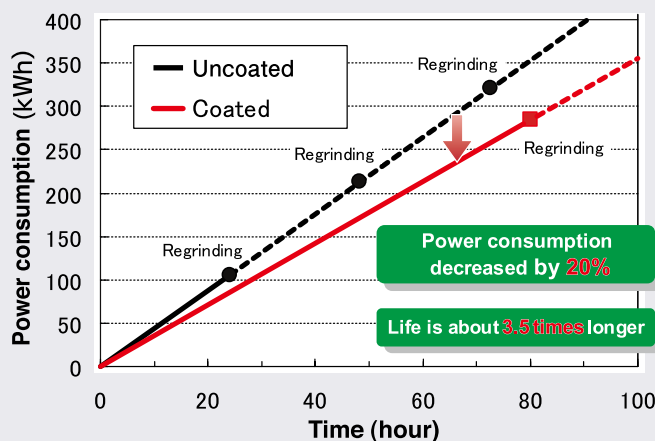
Stays sharper longer edge thanks to Kanefusa coating

PAT EP2279837

KANEFUSA is the pioneer and worldwide leader in the development of advanced cutting edge materials for the woodworking industry. Our intensive research and development has added a new dimension, ST-1 Revo, to our already very much praised "Advanced Material Technology".

■ Comparison between uncoated knife and "ST-1 Revo" Knife

■ Less Power Consumption



*Planer knife : Uncoated and "ST-1" planer knives were tested at Japanese glue lumber company, cutting Spruce and Redwood.

■ Better Wear Less Tear

The "ST-1 Revo" cutting edge stays sharp with only traces of wear.

While regular knives tear-out the grain, the "ST-1 Revo" knife provides a smooth finish throughout the entire run-time.

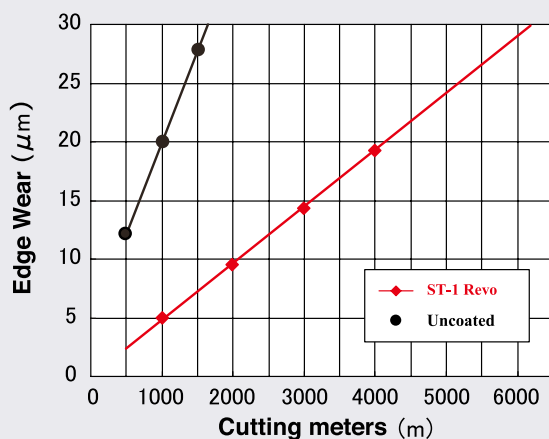


An uncoated High Speed Steel cutting edge is already rounded after cutting only 1000 m of Spruce.



The Advanced Material Technology "ST-1" cutting edge is still sharp after 2000 m.

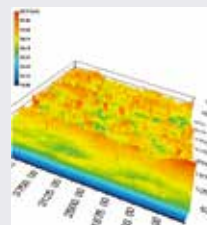
■ Longer Cutting Life



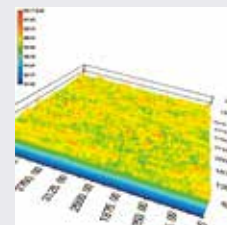
■ Better surface finish

The surface which was measured by "Laser Surface Profile Measuring Apparatus" evidently explains the differences in cut quality between uncoated and the "ST-1 Revo" cutting edges.

A better cut surface eliminates or reduces subsequent finishing processes and leads to a higher product quality.



Uncoated



ST-1 Revo (coating)

*Cut surface after cutting Spruce 2,500m



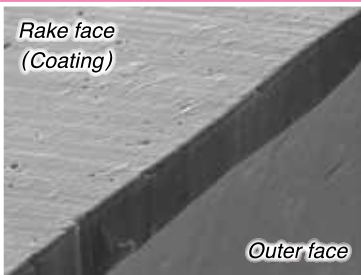
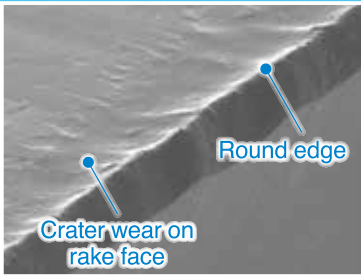
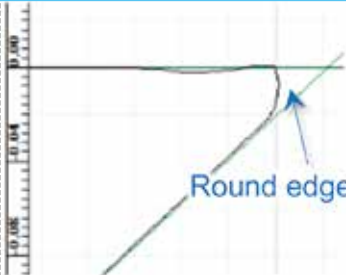
ST-1 Revo

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■Comparison between ST-1 Revo Knife and Competitor Coated Knife

Table. After cutting 2160 m (Soft wood, N=6000rpm, Sz=1.66mm/z, Cutting depth=0.5mm)

	Edge Image	Edge shape	Cutting quality
ST-1 Revo (Coated)	 Rake face (Coating) Outer face	 Rake face (Coating) Sharp edge Outer face	 Clean surface
Competitor (Coated)	 Round edge Crater wear on rake face	 Round edge	 Rough surface

Longer Cutting Life

- The ST-1 Revo knife produced a smoother surface without loss of coating and maintained a sharp edge for longer, achieving a 37% reduction in wear when compared to the competitor knife.
- The competitor knife showed worn coating at the cutting edge resulting in a rounded edge.
- The cutting life is longer, leading to better work efficiency compared to conventional planer knives.

