



Blades, knives and accessories for the tissue converting industry



Precision and perfection: For optimum cutting performance, surface finish and life.

We take knowledge and experience from many industries and apply it to our tissue products and services.

We transfer these experiences to our customers, therefore increasing the quality of products, optimizing production times and reducing customer costs.

Utilizing the most modern equipment including robotic technology we produce precision parts from a variety of materials including D2 (HCHC) and high speed steel.

By communicating closely with our customers we can better understand their needs. It is our goal to develop products and services that provide solutions to these needs.

By maintaining strict quality controls from the purchasing of raw material to packaging the finished product we can guarantee the quality of performance of all TKM made products.

Therefore we offer custom solutions with measurable additional value. TKM, The Knife Manufacturers.

TKM industrial knives cut:

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- Kitchen towels
- Jumbo Rolls (JRT)
- Towels

Napkins

- Handkerchiefs
- Facial tissue

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Log saw blades

The TKM GmbH is well known for its highquality log saw blades. We are currently able to produce log saw blades with diameters up to 1200 mm. We produce blades for all existing log saw machines, e.g. Fabio Perini, PCMC, Futura, CMG (Gambini), Kawanoe Zoki, Bretting, Bao Suo, Dechangyu, MTC and others.

Unique and fully automatic 100% blade quality inspection

Each TKM log saw blade is inspected and measured with respect to all dimensional values by the most modern automated inspection equipment available.

The most critical of these values, axial and radial run-out, are engraved on each blade for customer reassurance. An internal record is established for each log saw blade for future tracking purposes.

Each blade is dynamically balanced and checked.

Benefits

- Lateral runout 25% below OEM tolerance
- Fully automatic production
- In-house heat treatment
- Each individual knife traceable

These benefits ensure uniform products with a long-lasting cutting quality.

Log saw blades with unique coating

The friction between the log saw blade and the tissue paper rolls (especially AFH rolls) often causes significant heating of the blade.

TKM developed a type of metal-based coating which reduces the friction coefficient between blade and paper roll significantly and which also makes the blade stiffer.

Benefits

- Improved machine productivity
- Improved cutting quality



Perforation and anvil knives



Perforation and anvil knives for all contemporary machines.

CBN grinding wheels

TKM produces a wide variety of CBN grinding wheels engineered to complement our higher hardness log saw blade. We offer high-quality CBN grinding wheels for all types of machines such as Fabio Perini, PCMC, Futura, CMG (Gambini), Kawanoe Zoki, Bretting, Bao Suo, Dechangyu, MTC and others.





- In-house heat treatment
- Narrower tolerances on request

Benefits / Features

- In-house production
- Customized Solutions

Important characteristics

- TKM grinding wheels produce fewer sparks
- TKM wheels are more aggressive, thus creating sharper and longer lasting cutting edges
- TKM wheels are less sensitive to contamination, requiring less cleaning and dressing

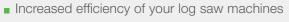
Lubrication system and "Lubriks-05"

Utilizing the TKM lubrication system, along with TKM's newly developed lubricant LUBRIKS-05, will allow a better cut quality at faster cutting speed.

The water-based lubricant (95% water) is atomized onto the blade surface by high-tech spray nozzles. When the water evaporates a slippery film is left behind, preventing glue build-up and reducing friction between blade and product to a minimum.

Benefits

■ The lubricant is certified according to H1 of FDA (Incidental Food Contact)





Less glue contamination of the bladeFewer overheated blades (high density products)





Sheet products

Machine knives for napkin production

Knives are available for the following machines:

- W+D
- Senning
- Bretting
- Serv-o-tec
- Hobema
- Ometand others



Machine knives for handkerchief production

Knives are available for the following machines:

- W+D
- Senning and others



Benefits for your manufacturing processes

- Prevents glue residue on the blade
- Avoids heating of blade when cutting high-density rolls
- Ideal for processing soft rolls or cores that cannot be properly clamped

Miscellaneous



Packaging knives

Knives are available for the following machines:

- TMC
- Casmatic / Wrapmatic
- Amotek
- Optima
- Senning
- Serv-o-tec
- Cassoli and others

Stainless steel doctor blades and TKM duroblades for flexo printing and glue scraping

The ceramic-coated TKM duroblades are developed to perform perfectly with Anilox cylinders. Both types of doctor blades are available for the following machines:

- Fabio Perini
- PCMC
- Futuraand others

Packaging

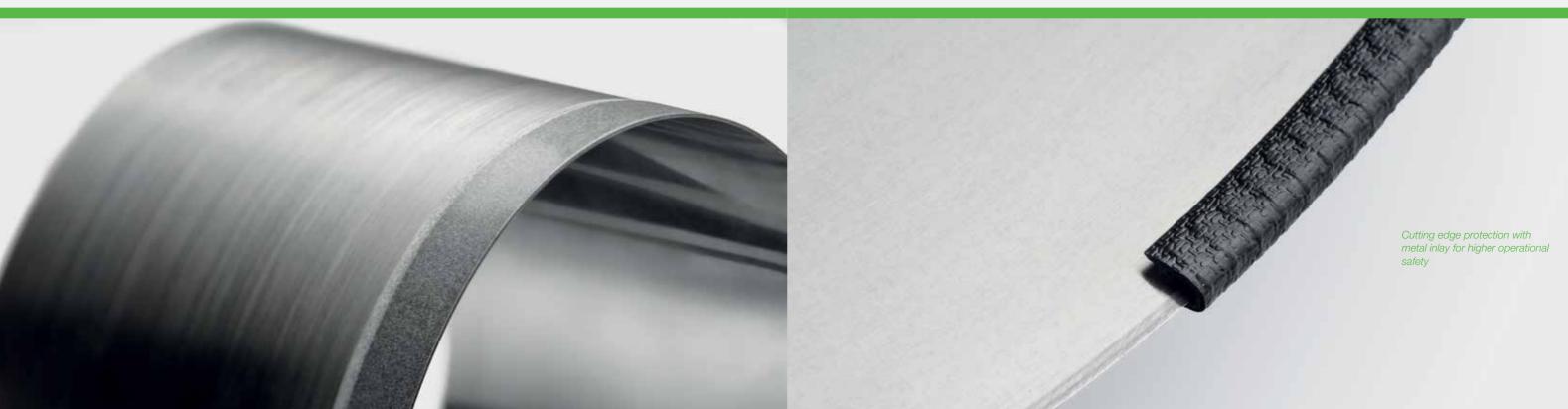
Customer benefits of the new box:

- Safer handling
- Environmentally safe (go green)
- Easy to recycle
- Less weight
- Made mainly from corrugated cardboard
- Sustainability

Customer benefits of the cutting edge protection:

High operational safety because of metal inlay







- User support
- Training

User support and training

The complete service package

At TKM we understand the importance of maintaining a safe and secure production process.

TKM Service will support you with a team of local accredited and fully trained engineers, to ensure that downtime and inconvinience is kept to a minimium.

Choose the right type of service for you:

- Grinding service
- Individual service concepts
- Basics of cutting technology and material science
- Technical cutting workshops
- User-specific on-site training

Training

- Basics of cutting technology
- Material science
- Technical cutting workshops
- User-specific training
- Individual service concept
- On-site technical support



All over the world and always close to you:

The TKM Group builds a system of cutting expertise. We create additional benefits - more than only cutting.



TKM

for you.

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TKM, the internationally leading corporate group, processes and sells high quality industrial knives, saws, doctor blades and precision consumable parts for industrial applications.

Our technologies, products and industrial services are applied and appreciated worldwide across many industries.

As an independent family company for more than 100 years, we have set the standard in quality and innovation, technical competence and partnership.

Reliability, integrity and commitment are the hallmarks of our cooperation. We define our claims by these core values:

Innovative, Precise and Close by.

Innovative:

We look for new approaches and continuously develop products and processes, in order to produce the highest performing industrial knives and production of our customers and tools.

Precise:

Our products, services and competencies greatly improve the quality of processes, products - and support their operational development.

Close by:

Our solutions are sustainable and stand for a balance between environmental measures, economic development and social engagement.

We exploit the potential of our local companies and create by the proximity to the market unique values for our customers.



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