LUK

柳州市立安联合刀片有限公司
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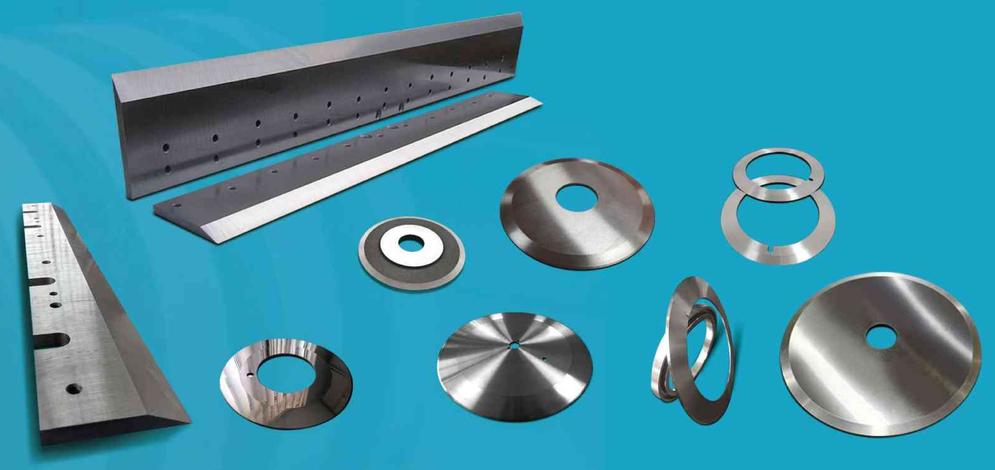
LUK KNIVES
立安刀片

Master of Industrial Machine Knife & Solution

提供机械刀片和工业切割解决方案的专家



柳州市立安联合刀片有限公司
LIUZHOU LIAN UNITED KNIVES CO., LTD

LIUZHOU LIAN UNITED KNIVES CO., LTD

WITH OUR **SINCERITY**
WITH YOUR **TRUST**

ABOUT LUK

关于立安

柳州市立安联合刀片有限公司坐落于中国西南工业重镇柳州市，致力于高精度、高品质机械刀片的研发和制造，并与业内著名品牌保持着长期的合作。每年有30万件的刀片产品从我们的工厂发往全球六大洲的120多个国家和地区，70%销往欧美市场。这些制作精良的刀片广泛应用于食品、造纸、印刷、包装、环保回收、塑料、林产、烟草等行业，得到了广大客户的好评。

Liuzhou Lian United Knives Co., Ltd. (hereafter referred to as LUK) is located in China's southwestern industrial city of Liuzhou. LUK is committed to the R&D and manufacturing of high-precision, high-quality machine knives, and have long-term cooperation with well-known brands in this industry. Every year, more than 300,000 pieces blades shipped out from our factory to more than 120 countries and regions. 70% of them go to Europe and America. These excellent blades are widely used in food, paper, printing, recycling, plastic, wood, tobacco industries, etc. and well received by numerous customers.

www.luk-knife.com

理念/CONCEPT

立之于诚 安之于信

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19/ 雕刻刀&横切刀/甩刀 Oscillating Knives & Flying Cutoff Knives

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MACHINE KNIVES

KNIVES FOR PAPER CONVERTING & PRINTING INDUSTRY

The paper converting and printing industry relies on precise and stable cutting processes throughout production, from raw paper rolls to finished products. Industrial knives play a vital role in maintaining cutting accuracy, production efficiency, and consistent product quality under high-speed operating conditions.

Different processing stages require specialized knife designs adapted to various materials, machine structures, and production environments.

To meet diverse production requirements, industrial knives are developed in various structural forms, including slitting systems, rotary cutting knives, and straight knives. Proper material selection, heat treatment, and precision grinding ensure stable performance, longer service life, and reduced machine downtime.

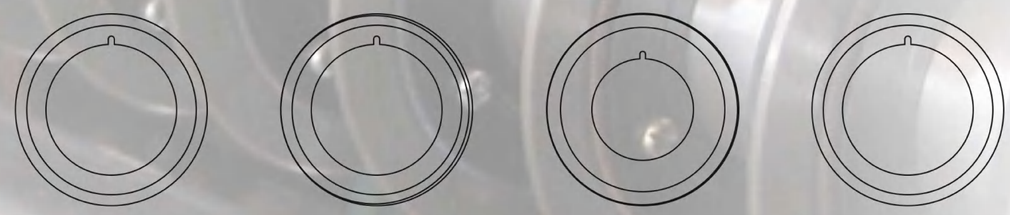
This catalog presents our knife solutions designed for different cutting systems within the paper and printing industry.

造纸印刷行业刀片

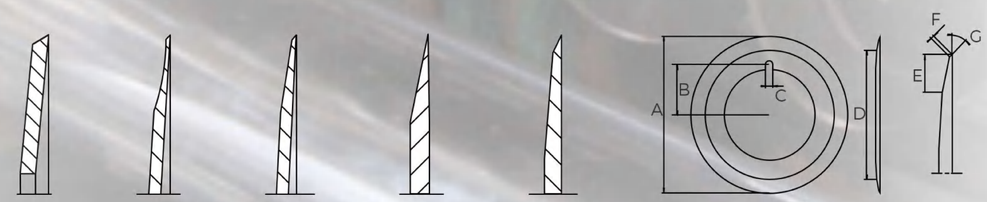
纸品加工与印刷行业在从原纸处理到成品加工的整个生产过程中，均依赖稳定而精准的切削工艺。工业刀具在高速生产环境下对保证切割精度、生产效率及产品一致性起着关键作用。
不同加工环节对刀具结构、材料性能及适用工况均提出了差异化要求。

为满足不同生产需求，工业刀具发展出多种结构形式，包括分切系统刀具、旋转切断刀具及直刀类产品。通过合理的材料选择、热处理工艺及精密研磨加工，可实现稳定切削性能、延长使用寿命并减少设备停机时间。
本目录系统展示了适用于纸品与印刷行业不同切削系统的刀具解决方案。

62x40x1MM | 65x40x1MM | 68x46x0.7MM | 75x50x1.2MM



105x70x1.2MM | 105x70x1.2MM | 130x90x0.8MM | 140x95x1.2MM



Custom sizes and specifications are available upon request with customer's drawing or sample.

碟形分切圆刀
CIRCULAR DISC SLITTING KNIVES

· 精准分切印刷卷材
· 保证边缘平整无毛边
· 兼容多类印刷包装材料

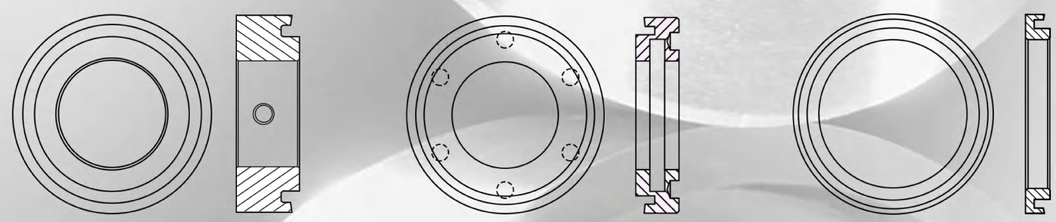
· Precisely slit materials (paper, film, foil)
· Ensure burr-free, clean cut edges
· Suitable for various printing & packaging materials

材料/Materials：52100, D2, HSS, ASP

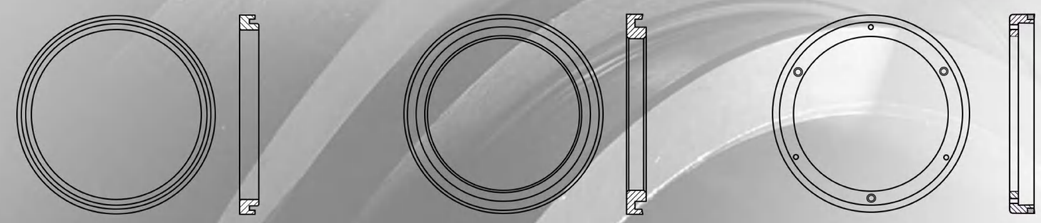
底刀
BOTTOM SLITTING KNIVES

配合上刀进行精准剪切 •
高耐磨材质，使用寿命更长 •
高精度，切口平整无毛刺 •
稳定运行，降低生产损耗 •

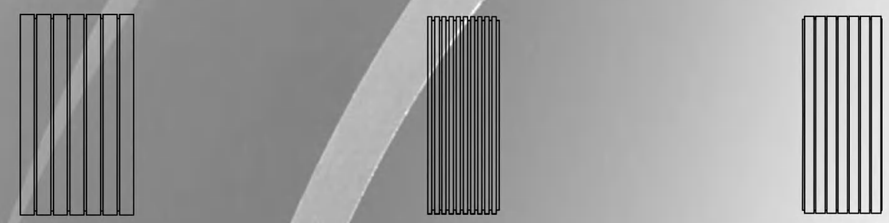
Partners with top knives for precise shear slitting ·
High wear-resistant material, longer service life ·
Ensures high precision & clean, burr-free edges ·
Stable operation, reduce production loss ·



46x25x15 MM | 46x25x10 MM | 80x60x10 MM



105x90x10 MM | 105x80x10 MM | 240x188x30 MM

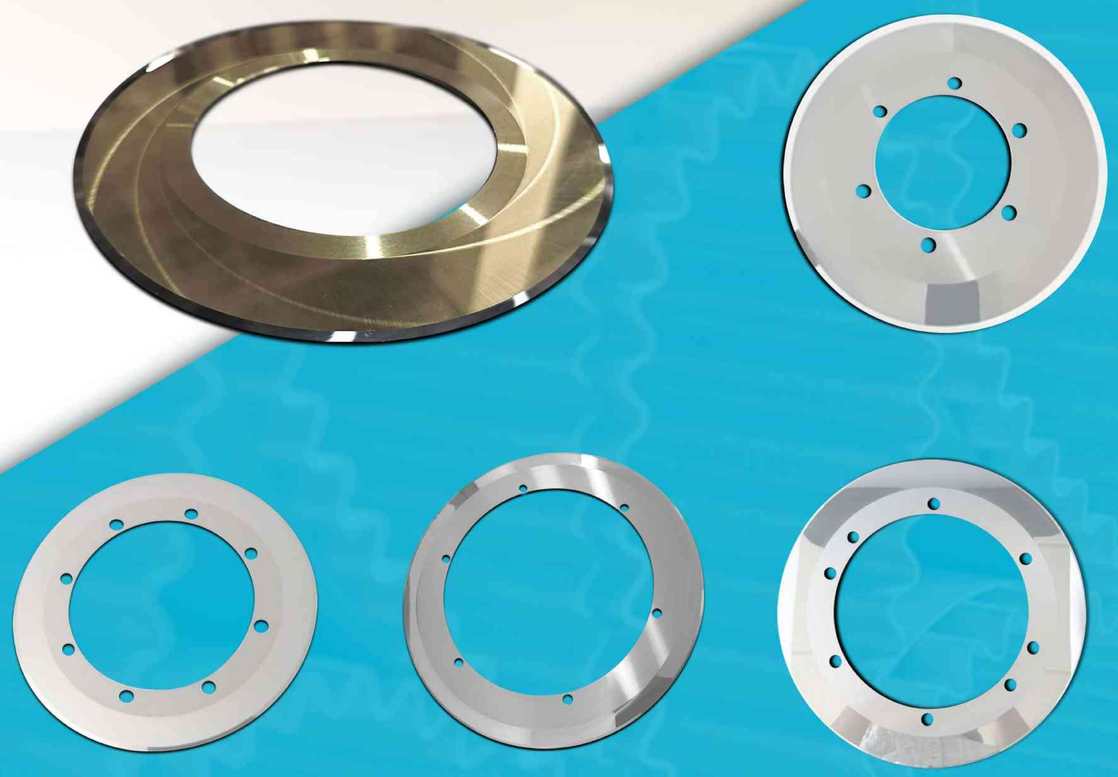


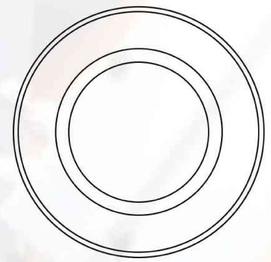
240x210x137 MM | 275x247x100 MM | 350x310x140 MM

瓦楞纸分切圆刀
CORRUGATED SLITTING KNIVES

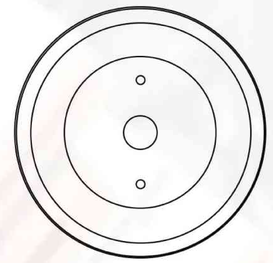
· 适配瓦楞纸特性
· 裁切不崩边断楞
· 精准控切，保障纸箱成型精度
· 兼容多规格瓦楞纸，适配全品类彩箱

· Adapt to corrugated paper properties
· No edge chipping or flute breaking
· Precise cutting, ensure carton forming accuracy
· Adapt to multi-spec corrugated board for all color cartons

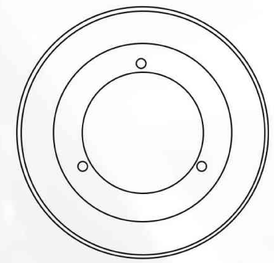




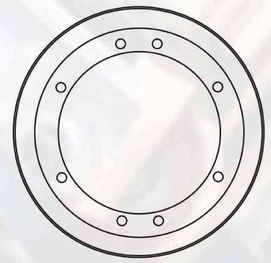
230x135x1.1MM



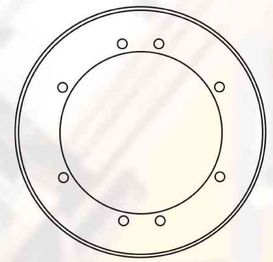
240x32x1.2MM



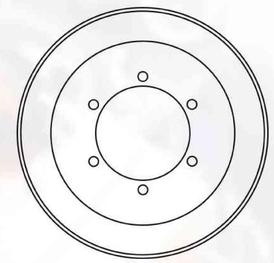
240x115x1MM



260x168.3x1.4MM



270x168x1.3MM



300x112x1.2MM

Size (mm)	Holes
230 x 135 x 1.1	8 × 10.5 mounting holes
291 x 203 x 1.1	6 × 8.5 mounting holes
250 x1 50 x 0.8	/
257 x 135 x 1.1	/
240 x 32 x 1.2	2 × 8.5 mounting holes
240 x 115 x 1	3 × 9 mounting holes
260 x 168.3 x 1.4	8 × 10.5 mounting holes
260 x 140 x 1.5	/
260 x 112 x 1.5	6 × 11 mounting holes
260 x 140 x 1.5	/
270 x 168.3 x 1.4	/
265 x 112 x 1.2	6 × 11 mounting holes
280 x 168 x 1.4	/
280 x 160 x 1	6 × 7.5 mounting holes
280 x 202 x 1.4	6 × 8 mounting holes
300 x 112 x 1.2	6 × 11 mounting holes

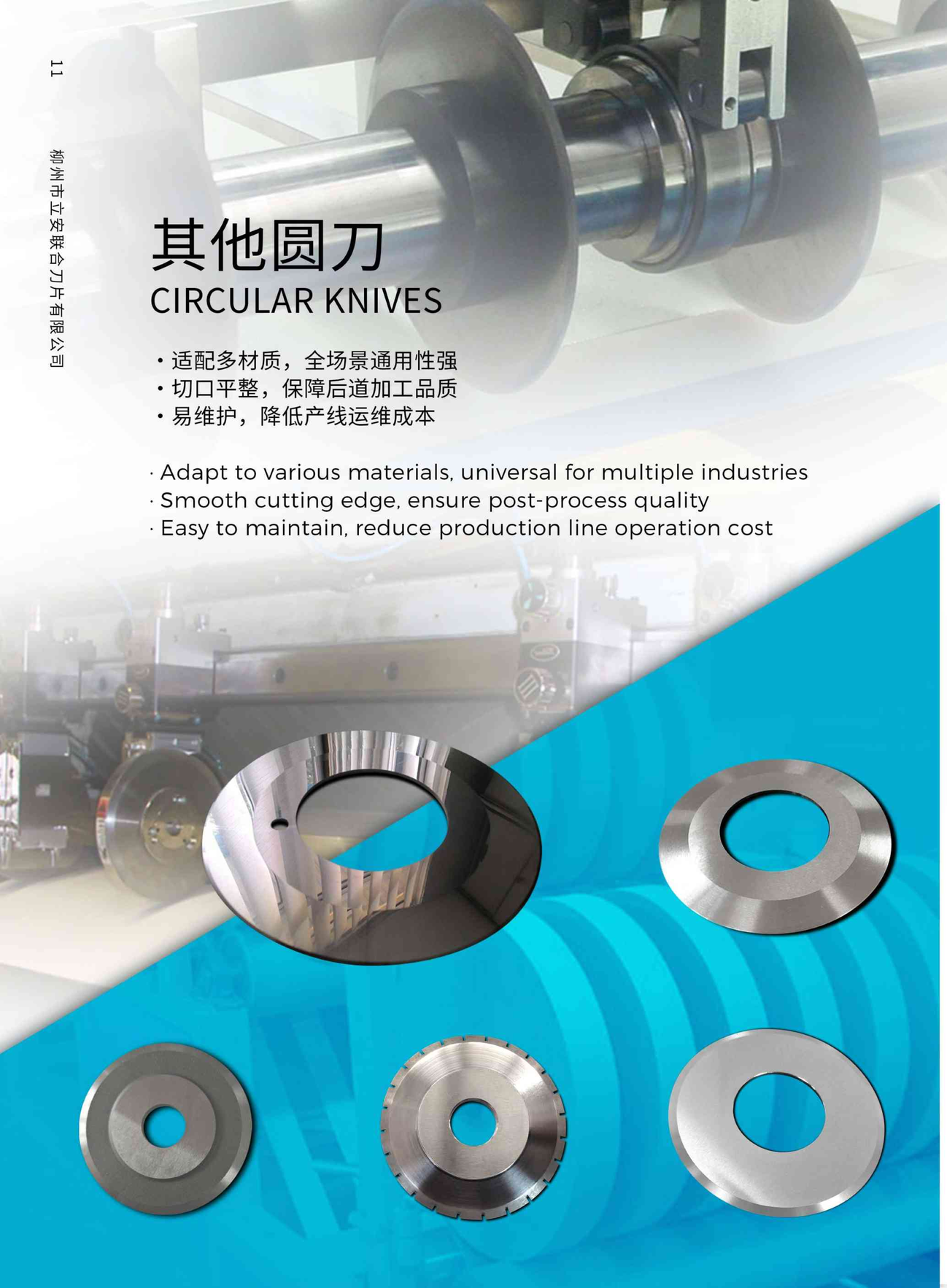
Our blades are suitable for TCY, BHS, MARQUIP, MITSUBISHI, ISOWA, FOSBER, AGNATI, HSEIH, and others

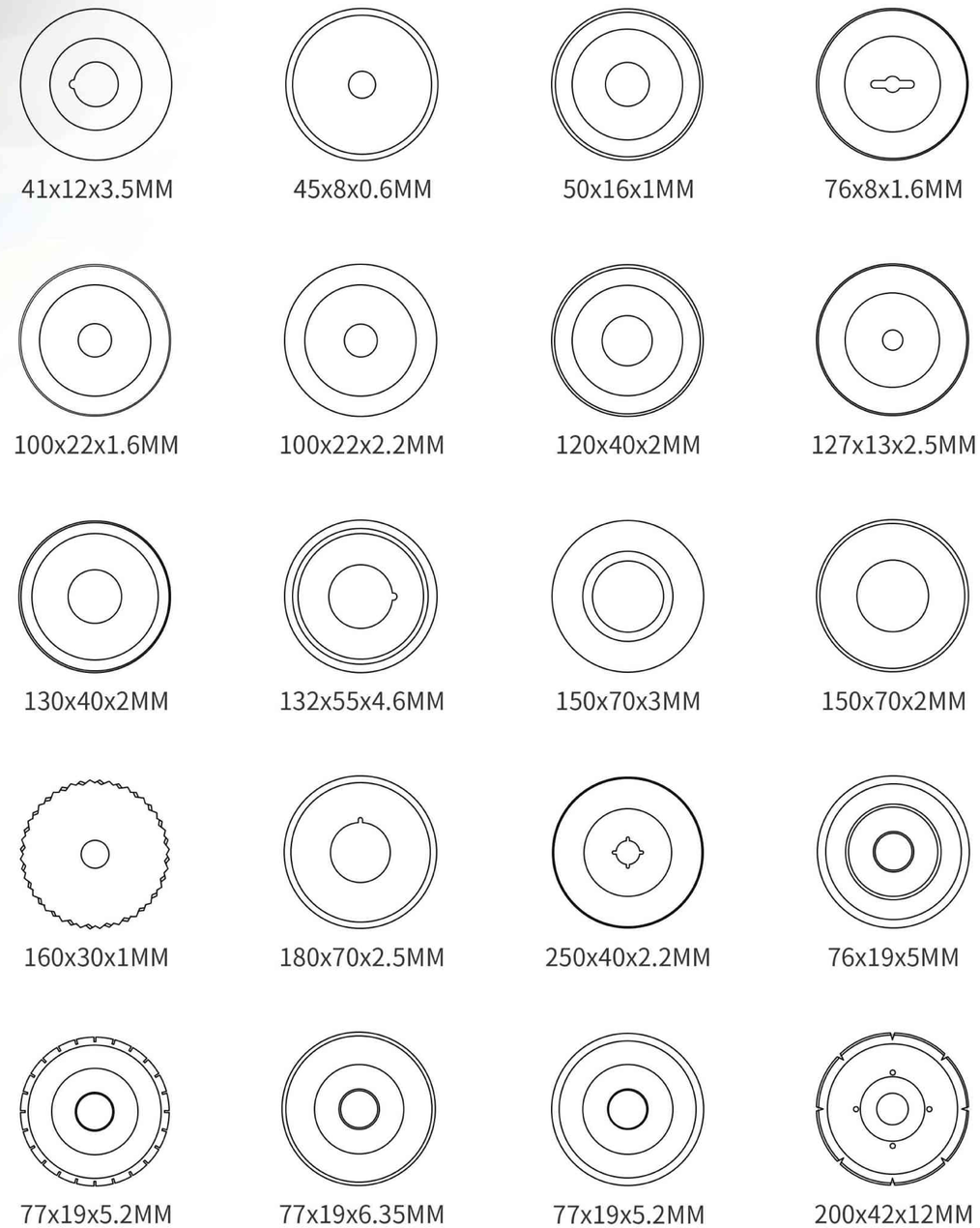
材料/Material: Tungsten Carbide
Custom sizes and specifications are available upon request with customer's drawing or sample.

其他圆刀
CIRCULAR KNIVES

- 适配多材质，全场景通用性强
- 切口平整，保障后道加工品质
- 易维护，降低产线运维成本

· Adapt to various materials, universal for multiple industries
· Smooth cutting edge, ensure post-process quality
· Easy to maintain, reduce production line operation cost



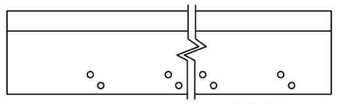


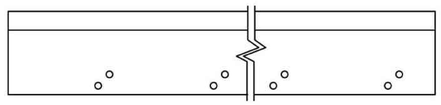
材料/Material: D2, HSS, ASP
硬度/Hardness: 57-60HRC, 60-63HRC

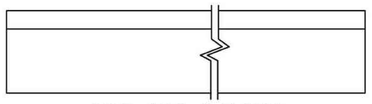
切纸刀
GUILLOTINE KNIVES

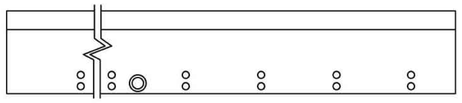
- 高精度裁切，边缘平整无毛边
- 整沓批量裁切，提升后道加工效率
- 定尺精切，成型标准规格成品
- 适配主流切纸设备，兼容性强

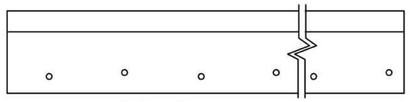
- High-precision cutting with smooth, flawless edges
- Batch cutting of stacked paper to improve post-processing efficiency
- Precise fixed-length cutting to form standard finished products
- Compatible with mainstream guillotine machines, high compatibility

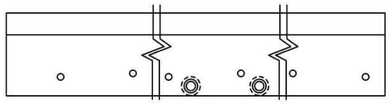

805x95x9.7 MM 镶钢

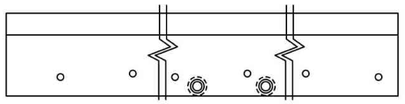

868x104x9.7 MM

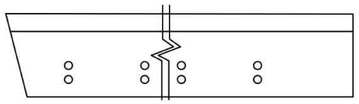

960x110x9.7 MM

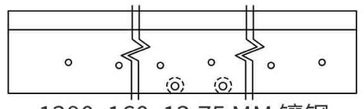

960x110x11.7 MM

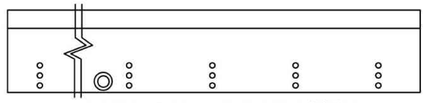

990x107x11.7 MM

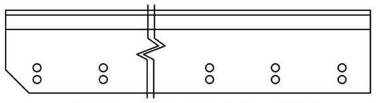

1110x110x12 MM

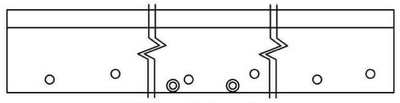

1095x115x11.7 MM

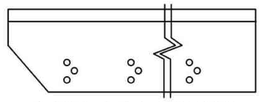

1325x120x11.9 MM

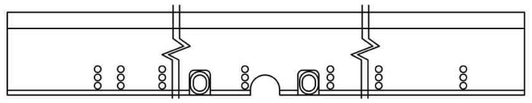

1390x160x13.75 MM 镶钢


1085x140x12.9 MM 镶钢


1090x120x12 MM 镶钢


1380x125x12 MM


1280x144x10 MM


1350x140x12 MM

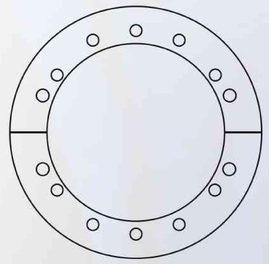
Our blades are suitable for IDEAL, POLAR, PERFECTA, WOHLENBERG, CHALLENGER, KOLBUS, MAXIMA, and other machines.

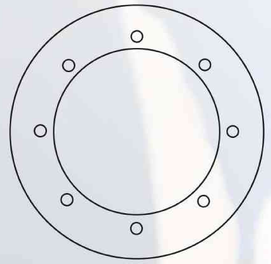
材料/Material： D2, Inlay HSS/Tungsten Carbide
硬度/Hardness：58-61HRC, 61-63HRC

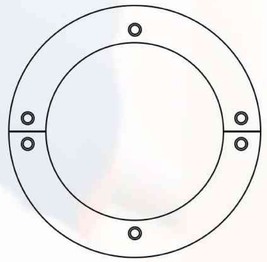
开槽刀
SLOTTER KNIVES

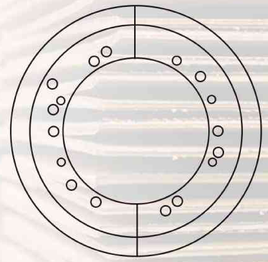
·精准开槽，实现瓦楞纸箱折叠成型
·高速连续加工，匹配生产线效率
·耐磨易调试，降低生产运维成本
·适配多楞型纸板，满足全品类纸箱需求

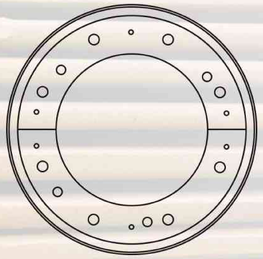
· Precisely slot corrugated board for carton folding
· High-speed continuous processing for mass production
· Wear-resistant & easy to adjust, reducing operation costs
· Adapt to multi-flute boards for all carton types

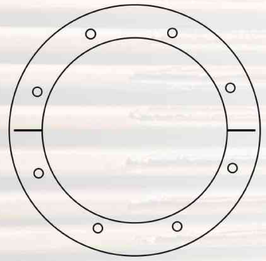

196x136x6MM

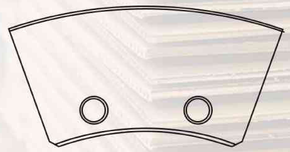

203.5x136x8MM

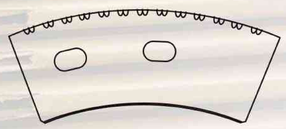

210x148x25MM

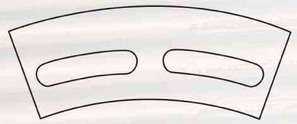

230x134x25.5MM

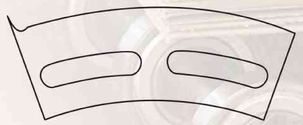

297x180x8MM

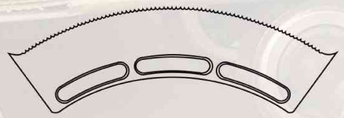

354x260x13MM


120x70x8.1MM


119.98x88.6x8MM

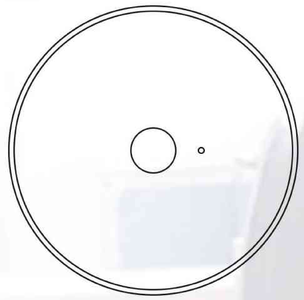

148.24x55x75MM


152.9*57*7.5MM

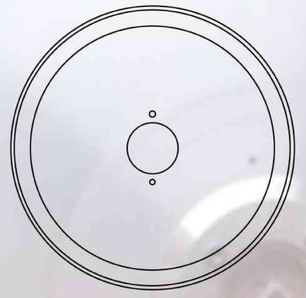

195.2x41x7.5MM

426.4x122.9x10MM

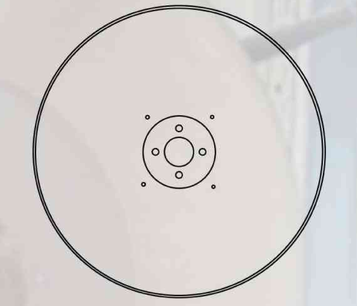
材料/Materials：52100, GCr15, D2
硬度/Hardness：58-61HRC



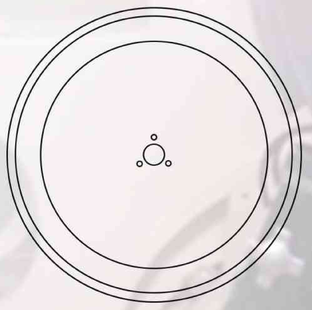
450x70x5 MM



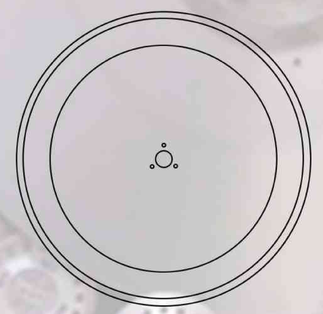
500x90x5 MM



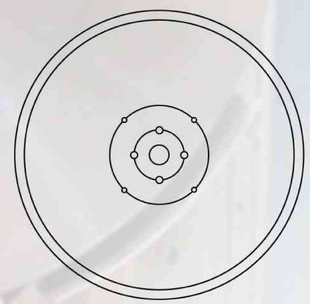
610x82.55x4.76 MM



700x50x5.5 MM



850x50x5.5 MM



870x60x6 MM

材料/Material: D2, HSS
硬度/Hardness: 58-61HRC

以上仅为典型尺寸，此外还有更多尺寸可选。请联系我们，获取更多信息
These are only some typical sizes. More are available. Please contact us for further information

卫生纸圆刀
TISSUE SLITTING KNIVES

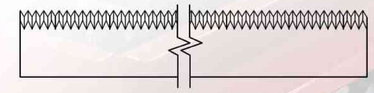
- 裁切无毛边拉伸
- 高速连续分切
- 配套复卷机，实现一体化加工
- 耐磨低耗，降低生产加工成本

- Burr-free and non-stretching cutting
- High-speed continuous slitting
- Match with rewinder, realize integrated slitting-rewinding processing
- Wear-resistant and low-loss, reduce production and processing costs

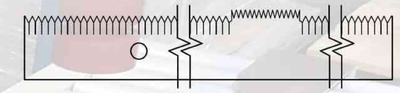
包装齿刀
PACKAGING SERRATED KNIVES

裁切易撕锯齿口，提升包装使用体 •
精准分切卷材，保证规格统一 •
适配多类材质，高速无卡顿裁切 •

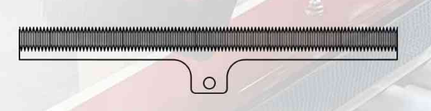
Cut regular serrated easy-tear edges, improve packaging usability •
Precisely slit packaging webs, ensure uniform product specifications •
Adapt to various packaging materials, high-speed •
cutting without jamming



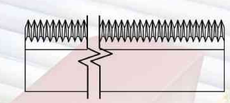
450x25x2MM



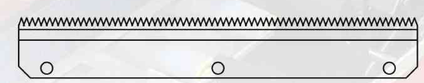
400X30X0.8MM



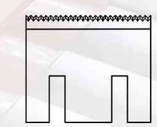
270x49.5x3.18MM



220x24x.2.4MM



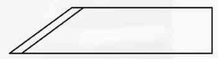
210x31x2MM



40x34x1.4MM

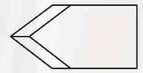
材料/Material: D2, Stainless Steel, HSS
硬度/Hardness: 57-60HRC, 60-63HRC

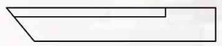
我们可根据客户要求定制尺寸、齿形、材料和硬度。请联系我们获取详细规格
Custom sizes, tooth profiles, materials, and hardness are available according to customer's requirements.
Please contact us for detailed specifications.


25x5.6x0.63MM

50x8x1.5MM

28x4x0.63MM

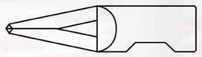

26x13x0.63MM

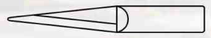

50.2x8x1MM

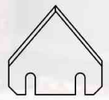
39x8x8MM

36x6x6MM

25x8x0.6MM


25x6x6MM


46x6x6MM


44x42x1MM

126x6x1.4MM

Our blades are suitable for machines like ZUND, ESKO Kongsberg, EASTMAN, ATOM, and others.
材料/Material: Tungsten Carbide

雕刻刀
OSCILLATING KNIVES

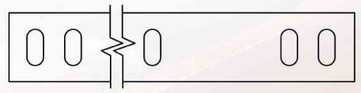
- 异形轮廓精准裁切，实现定制化成型
- 多材料兼容裁切，覆盖全品类印刷后道
- 冷切割无热损伤，保护印刷外观品质

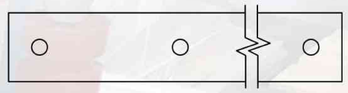
- Precise contour cutting for irregular shapes, enabling customized product forming
- Compatible with diverse materials, covering all post-printing scenarios for various print products
- Cold cutting without thermal damage, preserving the appearance quality of printed materials

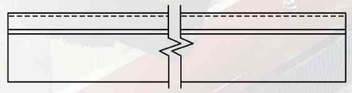
横切刀/甩刀
FLYING CUTOFF KNIVES

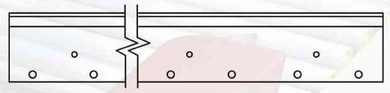
- 高速同步横切，产线无停顿连续生产
- 定长精准裁切，尺寸偏差极小
- 耐磨抗冲击，适配长时间连续作业
- 切口平整无瑕疵，保障后道品质

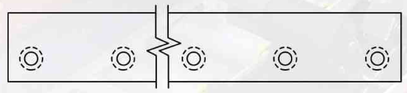
- High-speed synchronous cross cutting, realizing non-stop production line
- Precise fixed-length cutting with minimal dimensional deviation
- Wear-resistant and impact-resistant, suitable for long-term continuous work
- Smooth and flawless cutting edge, ensuring post-process quality

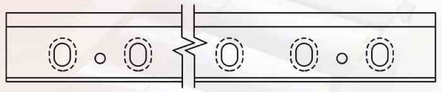

1160x53x5MM

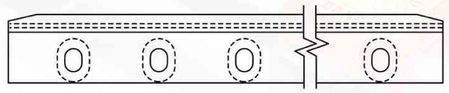

300x28x10MM

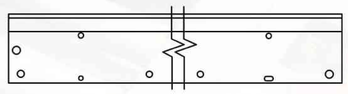

1370x64x18MM 镶钢


2082x200x15MM


4350x75x16MM 镶钢

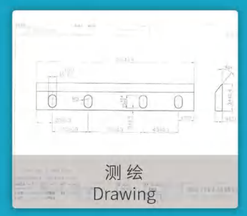

1500x36x10MM 镶钢

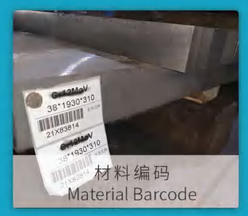

2265x35x10MM 镶钢


2700x160x13MM

材料/Materials：D2, Inlay 9CrWMn/HSS/ Tungsten Carbide

质量保证
QUALITY CONTROL


测 绘
Drawing


材料编码
Material Barcode

材料金相图
Metallographic Photograph

直线度检测
Straightness Inspection

整体质量检测
Inspection

检 测 报 告
Test Report

从原始图纸到最终产品的所有操作都是严格控制和可追溯的。保证每一道工序的质量把控。

All operations from the original drawing to the final product are strictly controlled and traceable.
Ensure the quality control of each process.

LUK

www.luk-knife.com

立安优势
_LUK Strengths

产品设计/Product Design

- 从产品的最初设计开始，我们就在系统中赋予它唯一的ID编号，从而实现全生命周期的识别和管控。
- 每张图纸都经过立安工程技术团队的仔细核对，并由客户和我们共同签字确认，作为生产和检验的标准。
- From the initial design of a product, we give it a unique ID number in our system, thus enabling full life-cycle identification and control.
- Each drawing is carefully checked by the LUK engineering team, then signed by the customer and us as a standard for production and inspection.

原材料/Raw Material

- 立安生产制造刀片，都只使用经过挑选的知名钢厂的钢材。同时我们要求供应商必须提供每批钢材的质量保证书。
- 钢材到厂后，我们会在我厂配备了先进检测设备的实验室里进行金相分析和化学成分检测，并在需要时进行第三方实验室的检测，以确保材料的质量。
- Only steel from selected and well-known steelworks can be used to produce LUK knives. And a quality assurance certificate for each batch of steel is a must.
- After the steel arrives at LUK plant, we perform metallographic analysis and chemical composition test in our in-house laboratory equipped with advanced testing instruments. Third-party lab tests can also be carried out when it is necessary. All these are taken to ensure the quality of the material.

热处理/Heat Treatment

- 此核心工序在立安自己的工厂内进行加工，由我们有着超过30年经验的热处理工程师监督完成。
- 独有的热处理工艺，确保工件的金相组织分布均匀、结构稳定，从而让刀片获得适宜的硬度和优异的耐久性。
- This core process is carried out in LUK's own factory, under the supervision of our heat treatment engineers with more than 30 years of experience.
- The unique heat treatment process ensures a homogeneous metallographic distribution and a stable structure of the knife, resulting in a suitable hardness and excellent durability.

机加工&磨削/Machining & Grinding

- 我们生产过程的每一道工序，都是由立安工程技术团队根据几十年的机械刀片生产经验精心设计的。
- 最先进的数控机床和自动化设备被广泛用于我们的制造过程当中，并与传统工艺和我们独特的机加工和磨削技术相结合，从而提供最精确和最耐用的切割工具。
-Every step in our manufacturing is well designed by LUK engineering team based on decades of experience in machine knife production.
- State-of-the-art CNC machines and automated equipment are extensively used in our manufacturing process, combining with traditional craftsmanship and our unique machining and grinding technology, to deliver the most accurate and durable cutting tools.

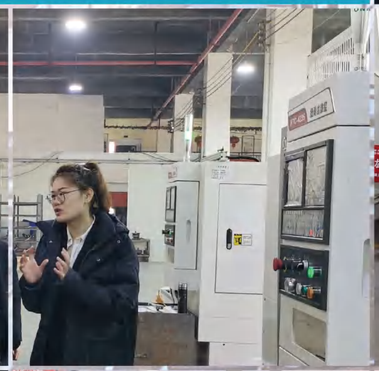
客户服务 / Customer Services

·我们的团队拥有很强的英文能力，理解西方文化，跟海外客户沟通毫无障碍
·凭借多年外贸经验，我们熟知贸易流程和国际物流，并拥有丰富的资源，可为客户提供全供应链服务
·Our team has strong English skills, understands Western culture, and has no obstacle in communicating with overseas customers
·With years of experience in foreign trade, we are familiar with trade processes and international logistics, and have abundant resources to provide customers with full supply chain services

使命
Mission

造好刀，做好企业

Make a good knife Build a good enterprise

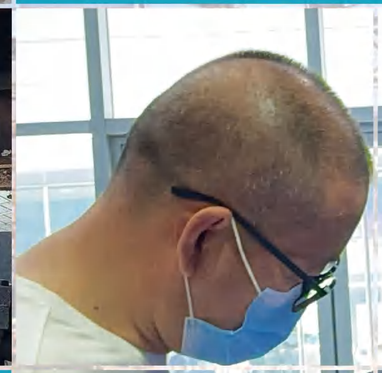


愿景
Vision

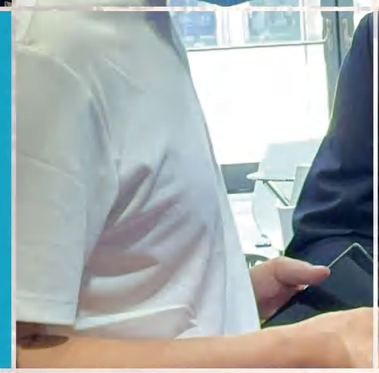
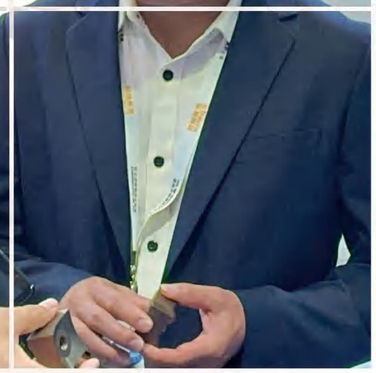
做可持续发展，面向全球的国际化企业，百年企业

A century-old international company with sustainable development and global orientation

客户联系 & 团队建设
CUSTOMER CONNECTION & TEAM BUILDING



价值观
Core Values

成就他人，互利共生，共赢未来

Help others succeed, achieve mutual benefits and symbiose, win the future together