

镜界摄影设计 13958676760



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浙江上优刀具有限公司创立于2009年4月，是一家专业生产高速钢/合金齿轮滚刀、插齿刀、剃齿刀的企业。

#### 自主研发 替代进口

上优重创新，致力于设计研发高精齿轮刀具，加大科技研发和硬件装备投入，以替代进口，取得国内外专利30多项，属省专利示范企业。

#### 质量第一

上优重品质，选用国际高标准原材料，配备德国、瑞士先进的生产设备以及KLINGENBERG、ZOLLER等全球权威检测设备，以保证产品质量。

#### 修磨与服务

上优以服务客户为原则，在全国开设多家刀具服务分公司，联合欧瑞康·巴尔查斯，为客户提供技术、现场运用及修磨、涂层服务。

#### 上优荣誉

公司通过GB/T24001-2016/ISO14001:2015环境管理体系认证、测量管理体系认证、企业标准化管理体系认证、清洁生产审核合格认证。取得“国家高新技术企业”、浙江省著名商标、浙江省守合同重信用“AA”级单位等称号。

Zhejiang Shangyou Tool Co., LTD was founded in April, 2009. It is an enterprise for the professional production of high speed steel/carbide gear cutter hobs, gear shaper cutters and gear shavers.

#### Independent research and development replaces imported tools

SHANGYOU pays attention to innovation and it is committed to the design and development of high-precision gear cutters. It has put more efforts in the research and development of science and technology and the investment of hardware equipment so that its products can finally replace those imported ones. It has obtained more than 30 patents at home and abroad and it belongs to a provincial-level patent demonstration enterprise.

#### Quality Comes First

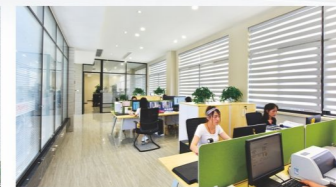
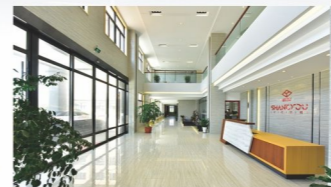
SHANGYOU emphasizes quality. It selects internationally high-standard raw materials and is equipped with advanced production equipment from Germany and Switzerland as well as globally authoritative testing equipment, such as KLINGENBERG and ZOLLER.

#### Re-grinding & Service

SHANGYOU adhere to the principle of providing better customer services. It has set up several branch companies for tool services in China and has provided customers with technology, field application, re-grinding and coating services in combination with Oerlikon Balzers.

#### Honors and Awards

SHANGYOU has passed GB/T24001-2016/ISO14001:2015 environmental management system certification, the measurement management system certification, enterprise standardized management system certification and clean production audit certification. It has won the titles of "National High-Tech Enterprise", Famous Trademark of Zhejiang and "AA" Level Unit for Abiding by Contract and Valuing Credit in Zhejiang Province.



## Company Human Environment








**SHANGYOU**  
 叶任牌 | 工 | 机 | 刀 | 具 |



诚信：我们诚实、守信、热情、积极主动的对待每一个客户和员工。  
 INTEGRITY: We Are Honest, Trustworthy, Enthusiastic, Proactive Treatment Of Each Customer And Employees.

卓越：不断完善自我，确保本行业国内领先地位，并与国际先进同行同步发展。

EXCELLENCE: Constant Self-perfection, To Ensure That The Industry's Leading Position In Domestic And International Advanced The Development Of Peer Synchronization.

服务：为满足客户和员工的需要，我们提供全方位的服务。  
 SERVICES: In Order To Meet The Needs Of Customers And Employees, We Provide A Full Range Of Services.

发展：通过彼此合作，实现你、我、他的共同发展。  
 DEVELOPMENT: Through Mutual Cooperation, realize You And I, His Common Development.



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汽车行业  
AUTO INDUSTRY



工程机械  
ENGINEERING MACHINERY



风力发电  
WIND POWER INDUSTRY



铁路航空  
RAIL&AIR INDUSTRY







规格范围: Specification Range:	滚刀 HOB 车齿刀 POWER SKIVING CUTTER 插齿刀 GEAR SHAPER CUTTER 剃齿刀 SHAVING CUTTER	Module 0.3 ~Module 40 Module 0.4 ~Module 6 Module 0.2 ~Module 25 Module 1 ~Module 6
材料 Material:	高速钢 HSS PM 硬质合金 CARBIDE	M2 M35 M42 S390 ASP2030 ASP2052 CB1~CB20
精度等级: Accuracy Grade:	DIN AAA Grade GB AA Grade	
热处理: Heat Treatment:	The optimum heat treatment of the HSS cutters is carried out on our own, introduced German technology, environmentally friendly treatment lines and is an important component in the expertise of the company.  热处理工艺是上优产品加工的重要组成部分，公司采用德国先进技术和工艺，设备采用磁调变压器和PIN温控技术，精确控制各项参数，以确保热后产品硬度均衡，有较高的硬度、红硬性和韧性。	
涂层: Coating:	欧瑞康·巴尔查斯 Oerlikon Balzers Type: TIN Future Nano ALCRONA PRO ALTENSA	



合金系列  
CARBIDE SERIES

- 10 孔式滚刀 BORE-TYPE GEAR HOB
- 10 杆式滚刀 SHANK-TYPE GEAR HOB
- 13 车齿刀 POWER SKIVING CUTTER
- 13 插齿刀 GEAR SHAPER CUTTER
- 13 锥柄插齿刀 SHANK-TYPE GEAR SHAPER CUTTER

高速钢系列  
HIGH SPEED STEEL SERIES

- 15 干切滚刀 DRY CUTTING GEAR HOB
- 16 成型铣刀 FORMED MILLING CUTTER
- 16 齿条滚刀 RACK GEAR HOB
- 17 孔式蜗轮滚刀 BORE-TYPE WORM GEAR HOB
- 17 杆式蜗轮滚刀 SHANK-TYPE WORM GEAR HOB
- 18 多头数滚刀 MULTI-THREAD HOB
- 18 剃前滚刀 PRE-SHAVING GEAR HOB
- 19 重载高效双切滚刀 HEAVY HIGH DOUBLE CUT HOB
- 19 镶片滚刀 INSERT-GEAR HOB
- 21 轴向剃齿刀 AXIAL SHAVING CUTTER
- 21 径向剃齿刀 PLUNGE SHAVING CUTTER
- 23 缺齿插齿刀 MISSING TEETH GEAR SHAPER CUTTER



- 23 并齿插齿刀 MERGE GEAR SHAPER CUTTER
- 24 斜齿插齿刀 HELICAL GEAR-SHAPER CUTTER
- 24 圆弧倒角插齿刀 CIRCULAR ARC CHAMFERED GEAR-SHAPER CUTTER
- 25 车齿刀 POWER SKIVING CUTTER
- 25 锥柄车齿刀 SHANK-TYPE POWER SKIVING CUTTER
- 26 可转位齿轮铣刀 INDEXABLE GEAR MILLING CUTTER
- 26 可转位滚刀 INDEXABLE INSERT HOB
- 27 可转位花键粗铣刀 INDEXABLE SPLINE MILLING CUTTER
- 27 可转位转子铣刀 INDEXABLE ROTOR MILLING CUTTER
- 28 可转位车齿刀 INDEXABLE POWER SKIVING CUTTER
- 29 模块化快速钻头 MODULAR HIGH-SPEED DRILL
- 29 可转位钻头 INDEXABLE INSERT DRILL



合金系列  
CARBIDE SERIES

相较高速钢刀具寿命更长  
加工效率明显提高  
降低齿轮生产单件成本  
适用于齿轮热后精刮HRC60

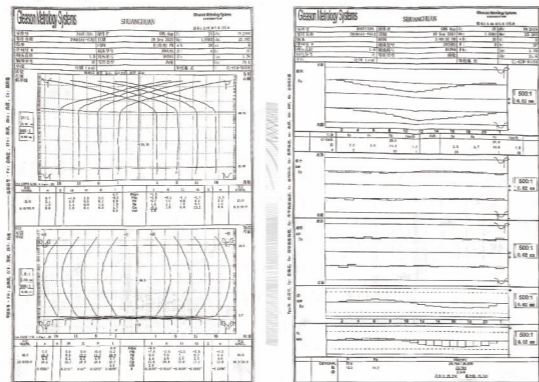
Longer using life  
Higher working-efficiency  
Cost reduction  
Suitable for after heat treatment gear



孔式滚刀  
BORE-TYPE GEAR HOB



杆式滚刀  
SHANK-TYPE GEAR HOB



客户实例:  
双环热后滚齿检测报告  
Client Instance:  
Skiving process test report by SHUANGHUAN

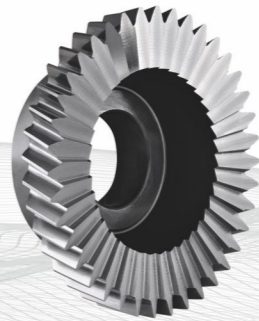




车齿刀

POWER SKIVING CUTTER

提高被加工工件精度 High Accuracy  
提高加工效率 Improve the working-efficiency  
适用于模数0.4~模数3 From Module 0.4~Module3



插齿刀

GEAR SHAPER CUTTER



锥柄插齿刀

SHANK-TYPE GEAR SHAPER CUTTER





## 高速钢系列 HIGH SPEED STEEL SERIES

上优滚刀采用德国全套设计软件设计，根据客户机床及产品要求定制特殊刀具。

SHANGYOU manufactures standard and special hobs according to individual product requirements.

### 干切滚刀

## DRY CUTTING GEAR HOB

- 采用ALCRONA涂层延长刀具使用寿命
- 节省加工时间，其加工效率远高于普通刀具
- 被加工工件精度高
- High cutting speeds can help to save production times
- Extremely long service lives due to high-performance ALCRONA coatings
- Suitability for dry processing
- Producing accuracy is higher than bore type tools
- The working efficiency is higher than normal tools



## 成型铣刀 FORMED MILLING CUTTER

- 一次成型
- 加工效率及精度高于组合铣刀
- One-step molding
- Efficiency and accuracy are much higher than combined milling cutter

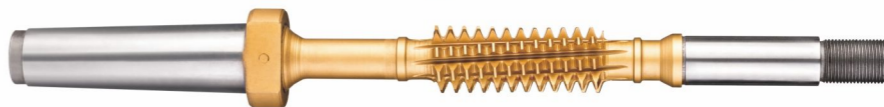


## 齿条滚刀 RACK GEAR HOB

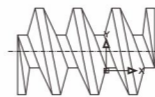
- 主要用于加工汽车转向器和齿条
- 高精度
- m0.6~m10
- Mainly used in producing automobile steering device and gear rack
- High accuracy
- From module 0.6 ~ module 10



## 孔式蜗轮滚刀 BORE-TYPE WORM GEAR HOB



## 杆式蜗轮滚刀 SHANK-TYPE WORM GEAR HOB



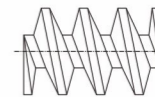
阿基米德蜗杆 (ZA)  
轴向齿廓是直线



渐开线蜗杆 (ZI)  
轴向齿廓是渐开线



法向齿廓蜗杆 (ZN)  
法向齿廓是直线



锥面包络圆柱蜗杆 (ZK)  
圆锥面的包络曲面



### 多头数滚刀

## MULTI-THREAD HOB

- 提高生产效率, 高性价比
- m0.5~m5
- N1~N7
- Improve the manufacturing efficiency
- From module 0.5~ module 5
- Number of thread from N1 ~ N7
- Cost-efficiency



### 剃前滚刀

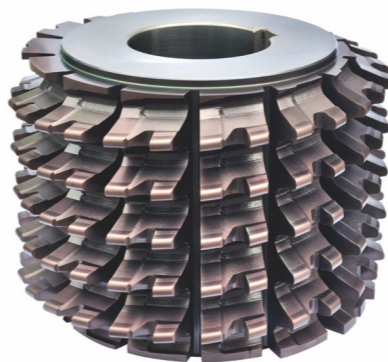
## PRE-SHAVING GEAR HOB

- 主要用于加工汽车齿轮
- m0.8~m7
- Mainly used in automobile gear
- From module 0.8 ~ module 7

### 重载高效双切滚刀

## HEAVY HIGH DOUBLE CUT HOB

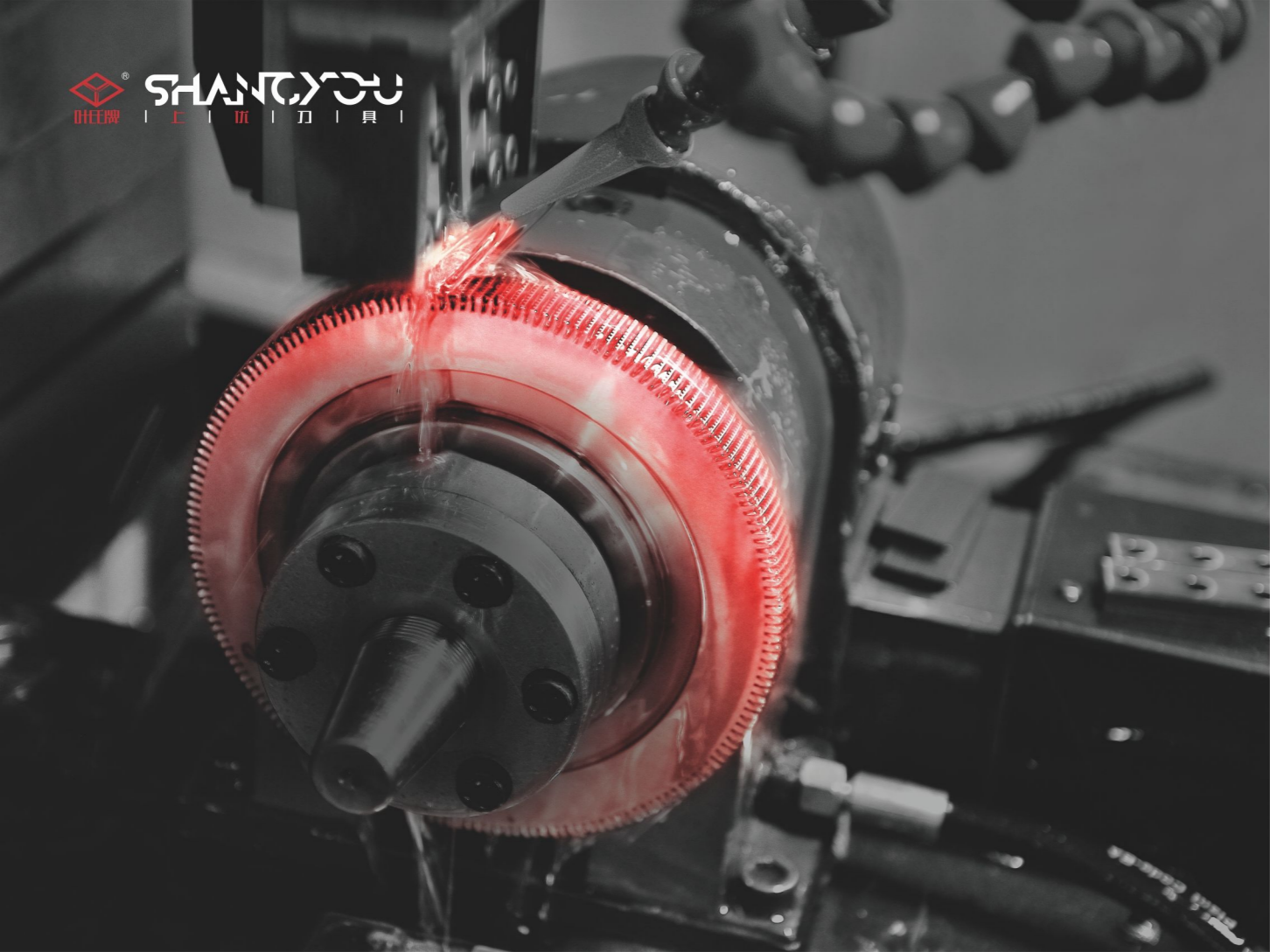
- 用于加工大齿轮或多齿数齿轮效果显著
- 刀具加工效率高且使用寿命长
- 增加齿数, 适用于高速磨削
- Mainly used in large-scale series production processes
- High working efficiency thanks to short production times and long service lives
- Suit for high-speed cutting
- Cost-efficiency



### 镶片滚刀

## INSERT-GEAR HOB

- 较整体滚刀可节约成本
- m8~m45
- High cost-efficiency than solid hobs
- From module 8 ~ module 45



### 轴向剃齿刀

## AXIAL SHAVING CUTTER

- 采用法向梳槽使刀具使用寿命更高
- Long service lives thanks to normal groove



### 径向剃齿刀

## PLUNGE SHAVING CUTTER

- 效率是传统剃齿的3~5倍
- 齿形齿向修形可达6级精度，降低噪音
- 被剃齿齿面粗糙度可达Ra0.4~0.8um
- Efficiency is 3 times higher than normal shaving cutter
- Accuracy can be 6 dregree in axial modification
- The roughness for be shaves gear profile can be Ra0.4~0.8um







## SHAPER CUTTER 插齿刀

上优可根据客户被加工零件及生产设备要求来选择材料，涂层，设计非标特殊刀具。生产标准和非标的各种盘形直齿插齿刀，碗形直齿插齿刀和锥柄直齿插齿刀。

SHANGYOU offers you an efficient combination for you production procedders with a choice of carbide type, hard coating and shaper cutters design.

SHANGYOU produce standard and non-standard DISC SHAPE STRAIGHT-TOOTH GEAR SHAPER CUTTER, BOWL-SHAPE STRAIGHT-TOOTH GEAR SHAPER CUTTER and TAPER-SHANK STRAIGHT-TOOTH GEAR SHAPER CUTTER.



MISSING TEETH 缺齿插齿刀  
GEAR SHAPER CUTTER



MERGE GEAR 并齿插齿刀  
SHAPER CUTTER

上优根据每件产品的特性设计标准及非标滚刀。熟练的技术，先进的设备，最优质的材料、涂层及热处理工艺造就高品质的刀具。

SHANGYOU manufactures standard and special cutters upon to individual product requirements. Ripened technique, excellent machine, best material & coating & heat treatment, all of them together guarantee a high degree of quality



斜齿插齿刀  
HELICAL GEAR-SHAPER CUTTER



圆弧倒角插齿刀  
CIRCULAR ARC CHAMFERED  
GEAR-SHAPER CUTTER



车齿刀  
POWER SKIVING CUTTER



锥柄车齿刀  
SHANK-TYPE POWER  
SKIVING CUTTER

适用于模数0.4-模数6 From Module 0.4~Module 6  
加工精度可达DIN7以内 Accuracy within DIN 7  
加工效率是插齿的3-8倍 Machining efficiency 3-8 times of shaper cutter





可转位齿轮铣刀

INDEXABLE GEAR MILLING CUTTER

优点:

- 覆盖粗加工、半精加工、精加工
- 高效率、高寿命、低成本
- 精加工最高可达8级
- 可根据客户需求提供加工特殊齿形的刀体与刀片

Advantage:

- Cover rough machining, semi-finishing and finishing
- High efficiency, long using-life, low cost
- Finishing up to level 8
- According to customer needs, we can provide cutter bodies and inserts with special tooth shapes



可转位齿轮滚刀

INDEXABLE GEAR HOB



优点:

- 适用于模数3-模数10
- 高效率, 精度达DIN8
- 应用灵活, 满足不同机床使用

Advantage:

- From Module 3-Module 10
- High efficiency, Accuracy can reach DIN8
- Flexible applications, can use in different kind of machines

可转位花键粗铣刀

INDEXABLE SPLINE MILLING CUTTER



可转位转子铣刀

INDEXABLE ROTOR MILLING CUTTER

优点:

转子粗铣刀优势

- 高寿命、高效率、交货期短
- 刀具型线误差 $\leq 0.05\text{mm}$

转子精铣刀优势

- 刀具型线误差 $\leq 0.01\text{mm}$
- 精磨刀片, 良好的工件表面质量

Advantage:

Advantages of Rotor Rough Milling Cutter

- Long using life, high efficiency, short delivery time
- Tool profile error  $\leq 0.05\text{mm}$

Advantages of Rotor Precision Milling Cutter

- Tool profile error  $\leq 0.01\text{mm}$
- Fine grinding of the blade, good surface quality of the workpiece

## 可转位车齿刀 / 可转位插齿刀 INDEXABLE POWER SKIVING CUTTER / INDEXABLE GEAR SHAPER CUTTER

应用范围:

- 内外齿轮和花键
- 花键模数: 2.5-5
- 圆柱直齿轮和斜齿轮
- 齿轮模数: 2-10
- 粗加工到精加工

Scope of Application:

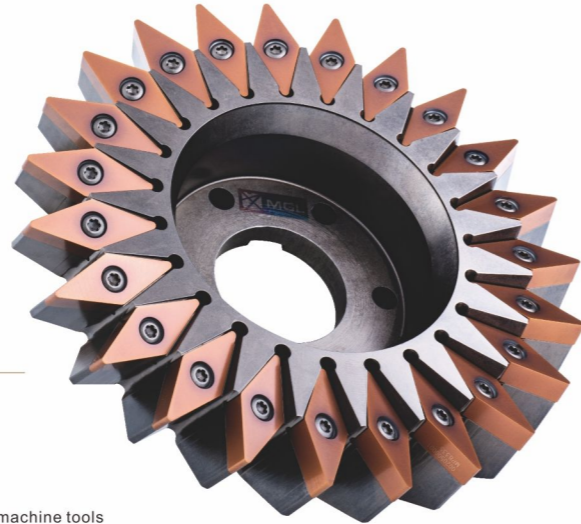
- Internal and external gears and splines
- Spline modulus: 2.5-5
- Cylindrical spur gears and helical gears
- Gear module: 2-10
- Rough machining to finishing

优点:

- 多功能机床或加工中心使用, 无需专用机床
- 一次装夹完成内外齿的加工

Advantage:

- Use of multi-function machine tools or machining centers without special machine tools
- Finish the machining of inner and outer teeth in one clamping



## 模块化快速钻头 MODULAR HIGH-SPEED DRILL

自锁及后拉紧两种钻尖结构

Self-locking and back-tightening two drill point structures

模块化结构, 轻松装卸, 钻尖更换更高效, 更好的经济性

Modular structure, easy loading and unloading, more efficient drill point replacement, better economy



## 可转位钻头 INDEXABLE INSERT DRILL

优点:

- 具有高强度和抗疲劳性、极好的刚性钻体
- 覆盖D14-D40mm, 孔深3-5倍径
- 更安全、可重复、稳定一致的质量和良好的跳动精度
- 可变容屑槽, 保持钻体刚性同时增大排屑空间
- H12-H13孔公差

Advantage:

- With high strength and fatigue resistance, excellent rigid drill body
- Covering D14-D40mm, hole depth 3-5 times diameter
- Safer, repeatable, stable and consistent quality and good runout accuracy
- Variable chip flutes to maintain the rigidity of the drill body while increasing the chip removal space
- H12-H13 hole tolerance





**济南**

公司名称: 济南新上优刀具销售服务有限公司  
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 传真: 0531-88025067  
 邮箱地址: jinan@shangyoutools.com  
 地址: 山东省济南市高新区温泉路18号

**荆州**

公司名称: 荆州新上优刀具销售服务有限公司  
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 传真: 0716-8808288  
 邮箱地址: jingzhou@shangyoutools.com  
 地址: 荆州市沙市月堤北路中段

**重庆**

公司名称: 重庆新上优刀具销售服务有限公司  
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 传真: 023-67840200  
 邮箱地址: chongqing@shangyoutools.com  
 地址: 重庆市九龙坡区含谷镇兴谷路广越标准厂房6栋

**常州**

公司名称: 新上优(常州)刀具销售有限公司  
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 传真: +86 0519-83211899  
 邮箱地址: changzhou@shangyoutools.com  
 地址: 江苏省常州市武进区湖塘镇凌道路28号

**天津**

公司名称: 天津新上优刀具技术服务有限公司  
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 传真: 022-68555705  
 邮箱地址: tianjin@shangyoutools.com  
 地址: 天津市静海经济开发区金海道5号孵化器科研楼一楼

SHANGYOU QUALITY 上优品质



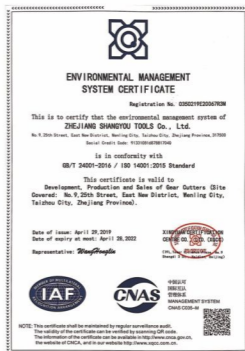
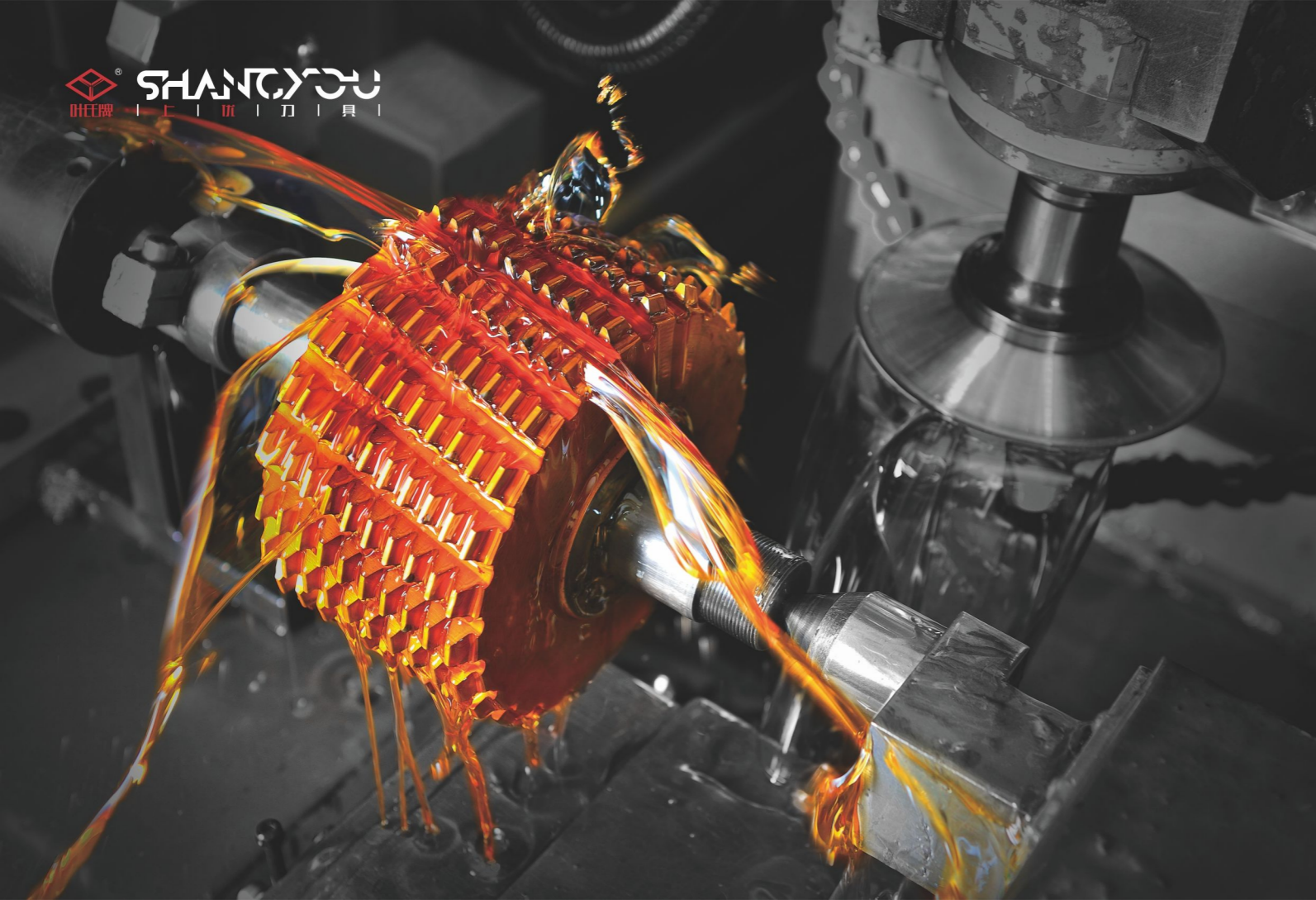
Zhejiang Shanghai

KUTUPUNDAWU WUJIAO		KUTUPUNDAWU WUJIAO	
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Zhejiang Shanghai

KUTUPUNDAWU WUJIAO		KUTUPUNDAWU WUJIAO	
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上优人将继续“质量第一、客户第一、服务第一”的宗旨，坚持“品牌同创、利益共享”的经营理念，与新老客户携手并进，共创美好明天。

We will continue to uphold the purpose of "Quality First, Customer First, Service First", and adhered to the philosophy that "Creat brand together, benefit sharing", welcome you together for a better tomorrow.



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