

能源及重工行业加工解决方案

Manufacturing Solutions for Energy & Heavy Industry



+ 华东大区
Eastern China Region

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Tel: +86-0592-3706375

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Tel: +86-0592-7310125

+ 西部大区
West Region

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+ 华北大区
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+ 东北大区
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+ 华中大区
Central China Region

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厦门金鹭特种合金有限公司
XIAMEN GOLDEN EGRET SPECIAL ALLOY CO.,LTD.

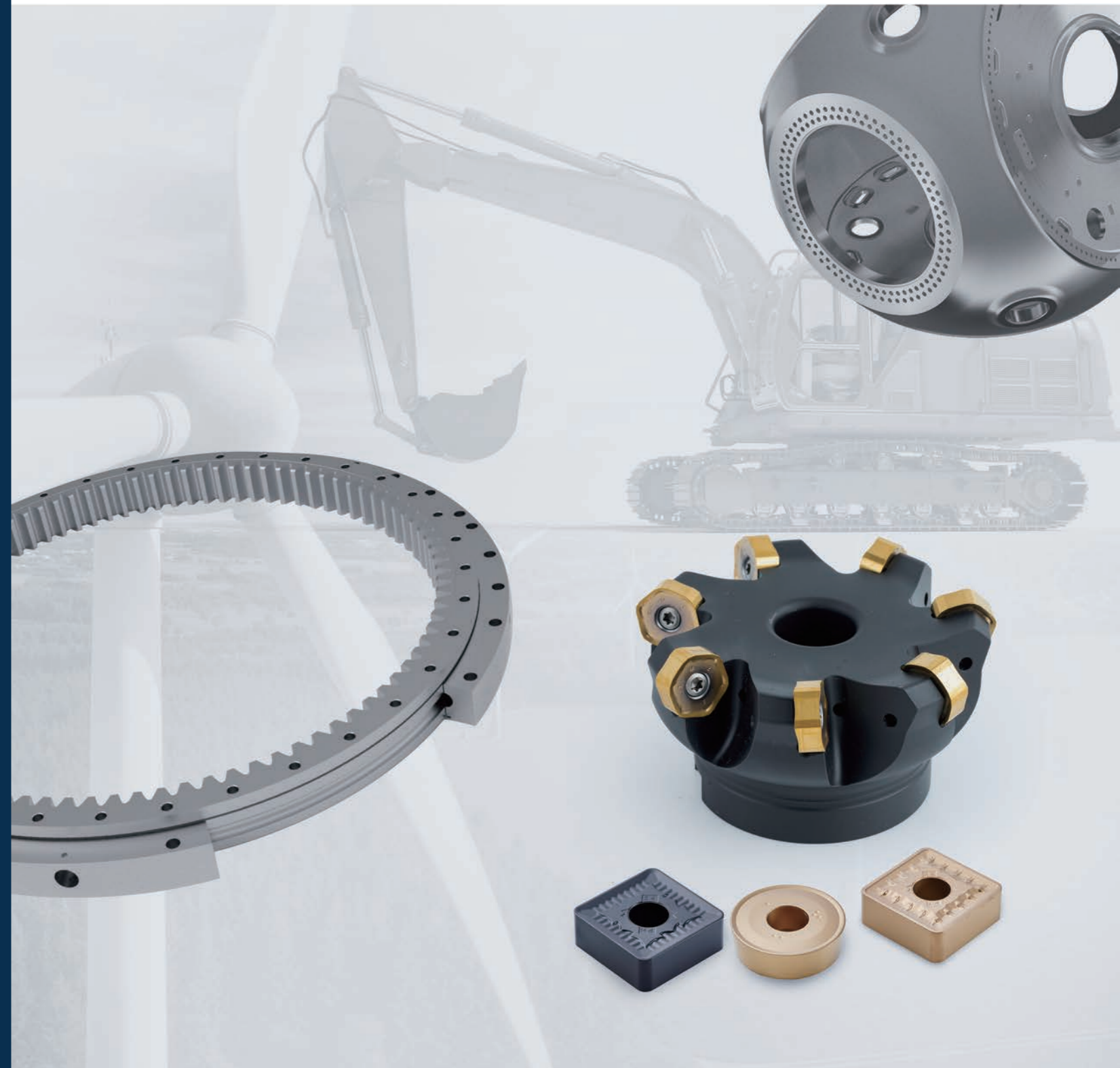
地址: 中国厦门市湖里区兴隆路69号
Add: No.69 Xinglong Road Huli District Xiamen CHINA
工厂地址: 中国厦门同安工业集中区集成路1601-1629号
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Concentration Area Tongan Xiamen CHINA
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GE202303k



厦门金鹭特种合金有限公司, 成立于 1989 年, 是一家中外合资的国家高新技术企业, 隶属于中国六大稀土集团之一的厦门钨业股份有限公司。公司致力于高品质钨粉末材料、硬质合金、精密切削工具等钨系列产品的研发、生产, 以及行业专业解决方案的提供, 是世界知名的钨粉末、硬质合金及切削工具供应商。

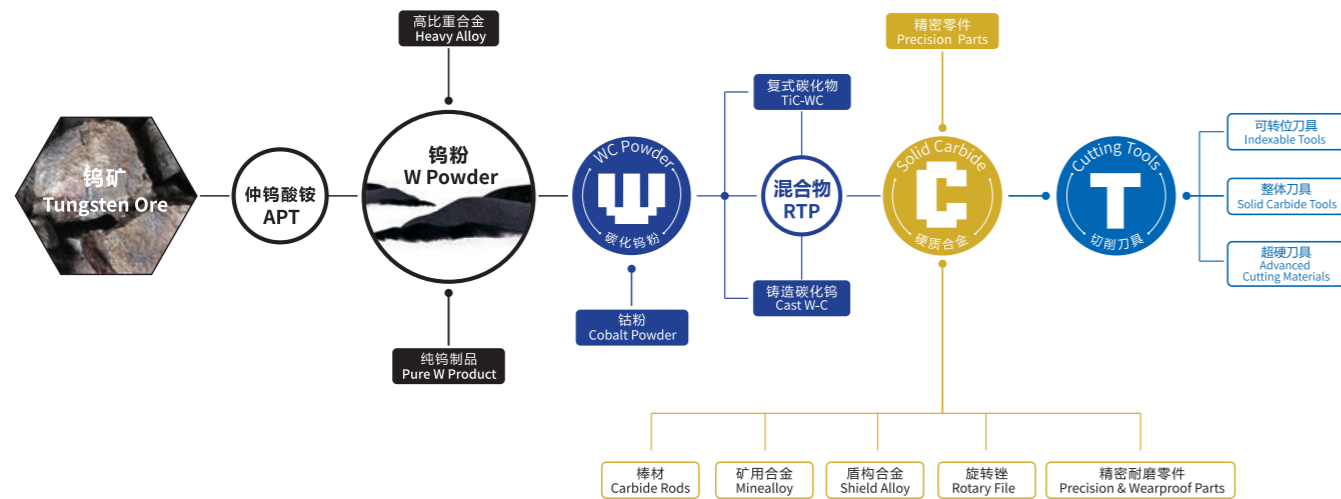
凭借完整钨产业链的产品集成技术研发, 以及务实、创新的管理理念, 厦门金鹭始终保持着强劲的发展势头, 为全球用户提供最高性价比的产品和服务, 为现代工业领域解决高硬度、耐高温、耐磨损问题, 提供了优良的产品和完善的解决方案, 客户遍布全球四十多个工业发达国家和地区, 享誉海内外。

公司拥有国内 4 个生产基地和 1 个国家级企业研发中心, 海外 3 个销售公司和 1 个海外生产基地, 独立承担并完成多项“国家科技支撑计划项目”, “国家科技重大专项”, “国家火炬计划项目”, “国家重点新产品”开发项目及省市重点研究课题, 被评为“战略性新兴产业骨干企业”、“创新型企业”、“先进科技企业”。

Xiamen Golden Egret Special Alloy Co., Ltd. (GESAC), founded in 1989, is a Sino-foreign joint venture with national high-tech, affiliated with XTC, which is one of six major rare earth groups in China. GESAC is committed to research & development, production and professional solutions providing of high-quality tungsten powder materials, cemented carbide, precision cutting tools and other tungsten products. Up to now, GESAC has become world-famous manufacturer and supplier of tungsten powder, cemented carbide and precision cutting tools products.

With the Integrated Product Development of complete tungsten industry chain, as well as a pragmatic and innovative management concept, GESAC has always maintained a strong momentum of development, providing the cost effective tungsten powder products and services for global users, offering the excellent products and perfect solutions for solving high hardness, high temperature resistance and wear resistance topics. Our brand "Golden Egret" has become one of the leading brand in the market, enjoying famous reputation in more than 40 countries and regions.

GESAC owns four production headquarters and one national level research center domestically, and three sales branches and one production base overseas. We undertook and completed several development programs independently, including the "National Science and Technology Support Programs", the "National Torch Program Projects", and the "National Key Projects" and so on. GESAC was awarded as "Key Enterprise for Strategic Emerging Industry", "Innovative Enterprise" and "Enterprise with Advanced Technology".

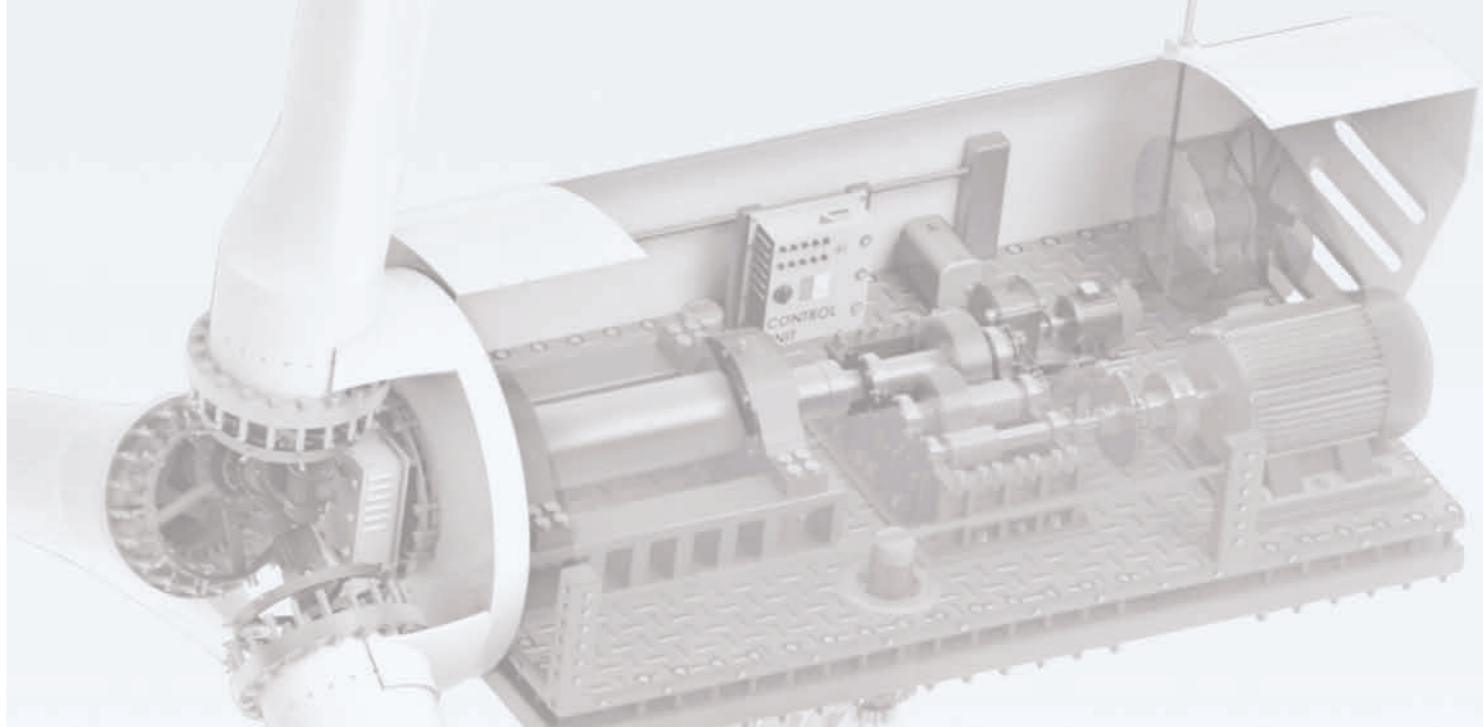


风电行业加工解决方案 Manufacturing Solutions for Wind Power

工程机械加工解决方案 Manufacturing Solutions for Construction Machinery

变桨系统 Yaw system	04-07	工作装置 Works Device	22-23
轮毂 Hub		动臂&斗杆 Boom & Arm	
叶片 Vane		液压系统 Hydraulic System	24-25
传动系统 Transmission System	08-11	液压油缸缸筒 Hydraulic Cylinder	
主轴 Principal Axis		回转机构 Swing Mechanism	26-29
轴承 Bearing		转台 Rotary Table	
变速系统 Power Train System	12-13	回转支承 Slewing Bearing	
扭力臂 Torque Link		行走装置 Walks Device	30-35
固定系统 Fixation System	14-17	链轨节 Chain Rail Joint	
法兰 Flange		支重轮 Track Roller	
螺杆、螺套 Screw arbor, Unified Thread Series		支重轮端盖 Track Roller End Cover	
制动系统 Braking System	18-19		
制动钳 Caliper			

典型加工案例 Cutting Case



风电行业加工解决方案

Manufacturing Solutions for Wind Power





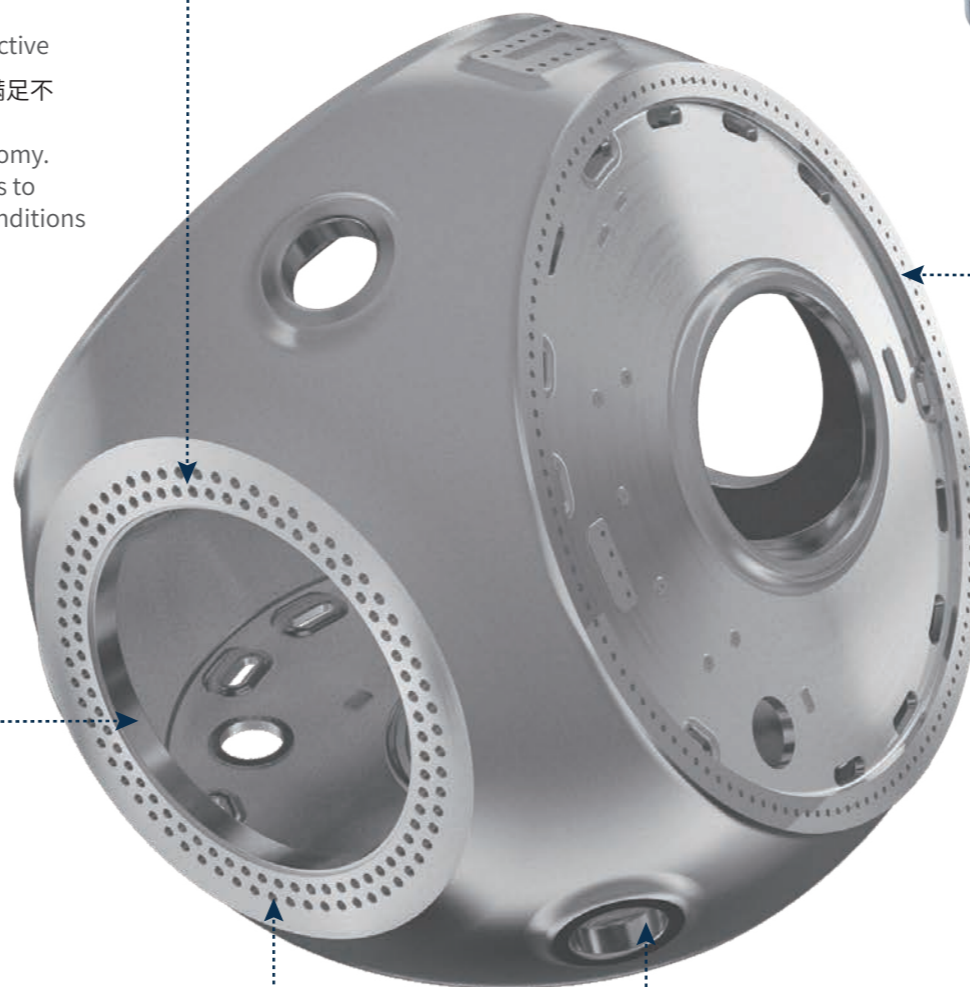
**连接面粗铣加工
Rough Milling of
Connecting Surface**

- HNGU09+MFC145
高经济多功能面铣
Multi-Function Face Milling with High Cost Effective
双面12刃面铣刀, 经济性高; 设计有多个主偏角, 满足不同工况需求
Double sided 12 edge milling cutter, high economy. The design has multiple main deflection angles to meet the requirements of different working conditions



**连接面精铣加工
Finishing Milling of
Connecting Surface**

- ANKX16+MEC190
负型曲线刃方肩铣
Square Shoulder Milling With Negative Curve Edge



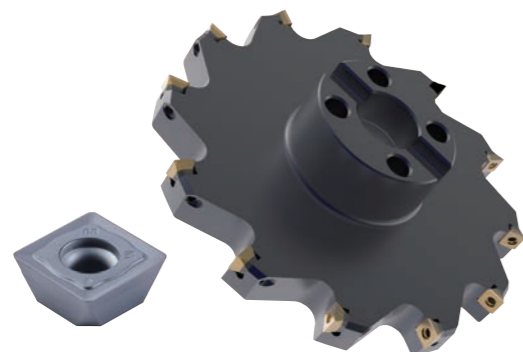
**连接面侧壁粗铣加工
Rough Milling of Connecting
Surface Side Walls**

- ANKX16+MHC190
高效率玉米铣
High Efficiency Helical Milling



**连接面钻孔加工
Drill of Connecting Surface**

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling



**连接面反铣加工
Back Milling of
Connecting Surface**

- SDMT12-EGM+订制刀盘
多功能铣削刀具
Multi-Function Milling Tool



**电机孔螺旋插补铣加工
Machining Screw Insert
and Milling Motor**

- RCET20+MPC100
高精度仿形铣
High Precision Profile Milling

连接面钻孔加工
Drill of Connecting Surface

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling



连接面铣削加工
Milling of Connecting Surface

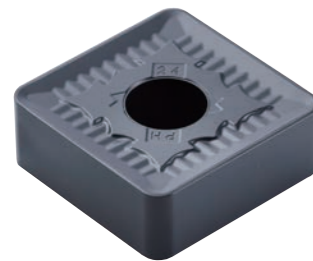
- SNE(M)U12+MFB245
双面通用面铣
General Double Side Face Milling Tool





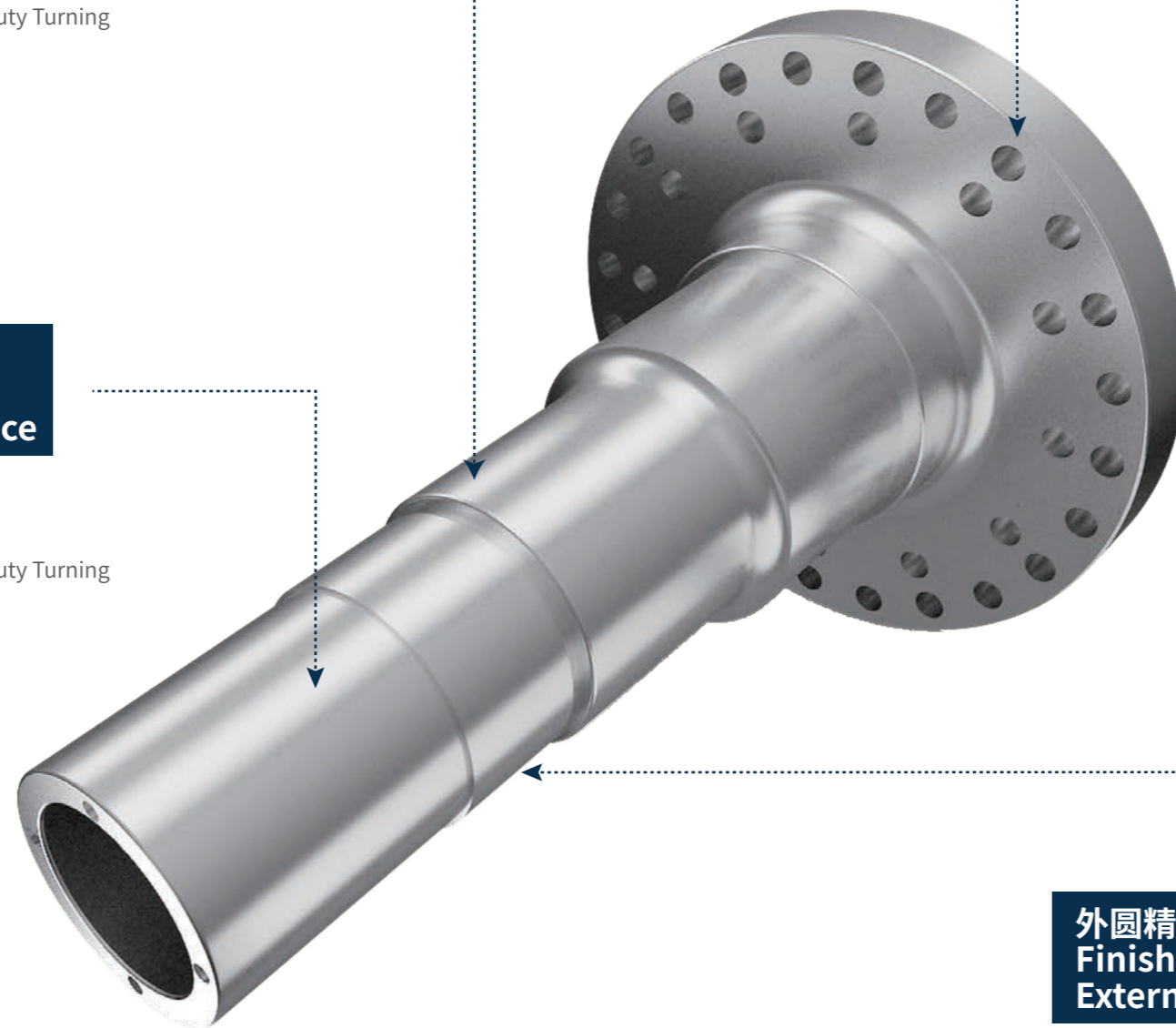
**外圆去黑皮
Rough Turning
the Oxide Scale**

- SNMM25+PY1
负型单面重载车削
Negative Single Side Heavy-duty Turning



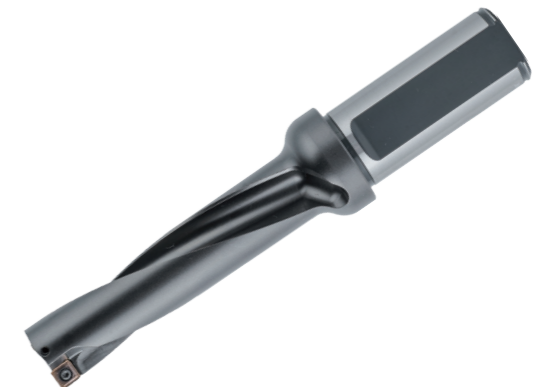
**外圆粗车加工
Rough Turning
the External Surface**

- SNMM25+PH
负型单面重载车削
Negative Single Side Heavy-duty Turning



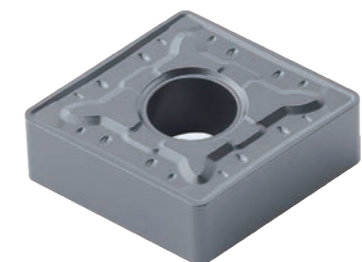
**法兰盘连接孔加工
Drilling of Flange
Connection Hole**

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling



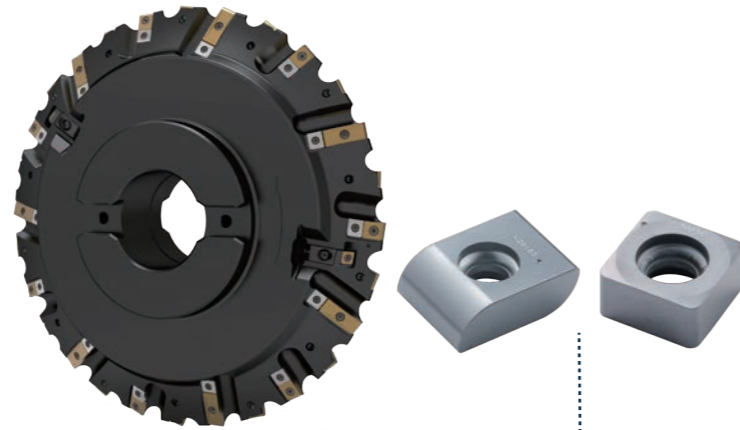
**外圆精车加工
Finishing the
External Surface**

- CNMG19+QM
双面负型车削
Double Side Negative Turning



内齿圈齿轮铣削加工
Milling of Internal Ring Gear

- LNE系列齿轮铣刀片
高精度非标齿轮铣刀
High-precision Gear Milling Insert



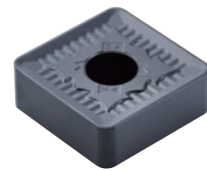
孔加工
Hole Making

- D938深孔钻
深孔内冷麻花钻
Deep-hole Inner Cooling Twist Drill



外圆去黑皮
Rough Turning the Oxide Scale

- SNMM25+PH
负型单面重载车削
Negative Single Side Heavy-duty Turning



外圆粗车加工
Rough Turning the External Surface

- CNMG19+PR
负型粗车
Negative Rough Turning



外圆精车加工
Finishing the External Surface

- TNMG16+QF
高精度车削刀片
High-precision Turning Inserts



密封槽加工
Turning the Sealing Groove

- GNGP系列
高精度槽刀
High Accuracy Grooving Insert



球沟道粗加工
Rough Machining of Ball Channel

- RCMX16+RR
粗车刀片
Rough Turning Insert



球沟道硬车精加工
Turning Finish of Ball Channel

- RCGN
高耐磨性CBN刀具
High Wear Resistance CBN Tool





安装孔镗削加工
Boring of Mounting Hole

- RB/FB
高精度镗削系统
Precision Boring Series

主轴过孔螺旋插补铣加工
Interpolation Milling of Spindle Through Hole Spiral

- RCET20+MPC100
高精度仿形铣
High Precision Profile Milling



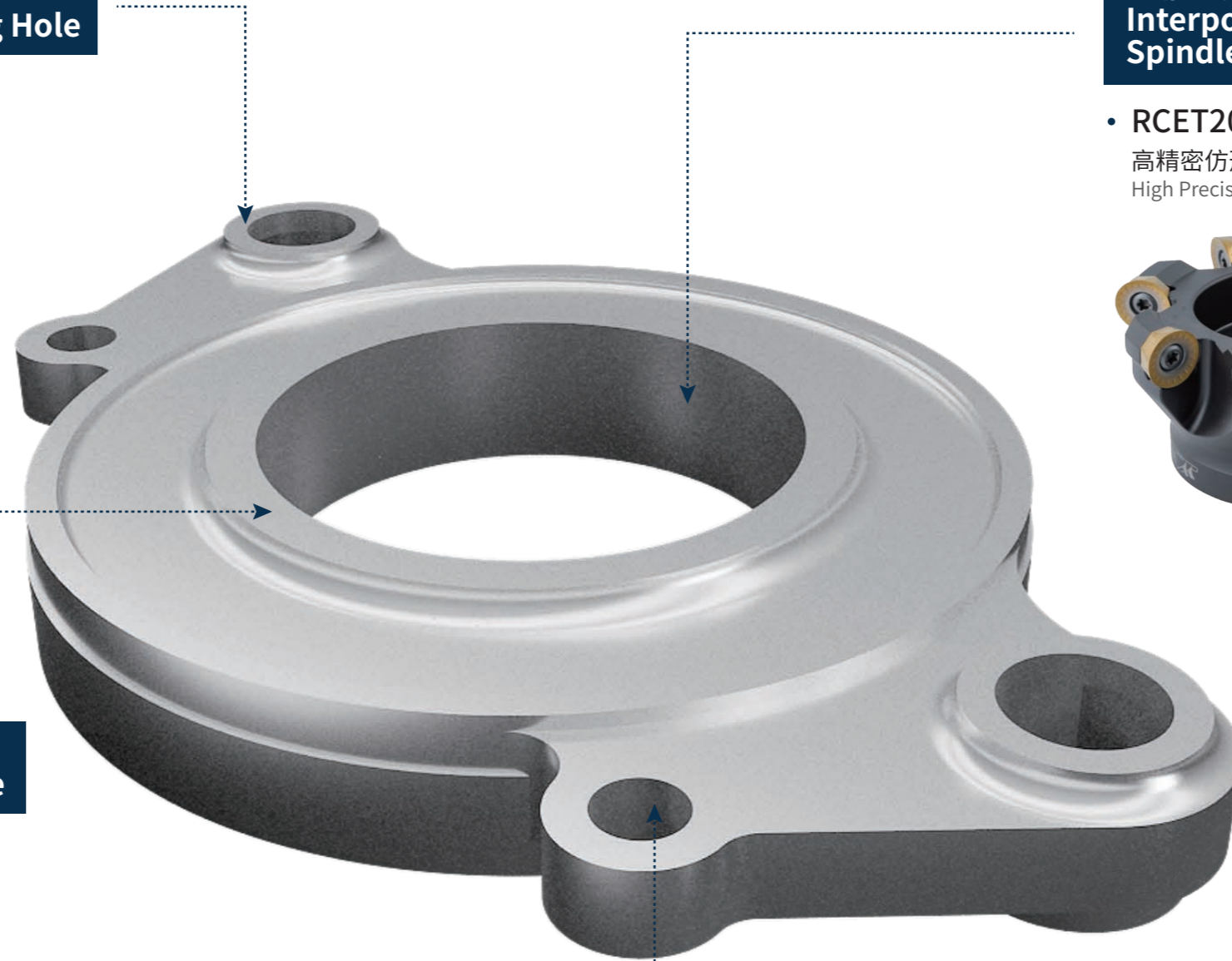
定位面粗铣加工
Rough Milling of Positioning Surface

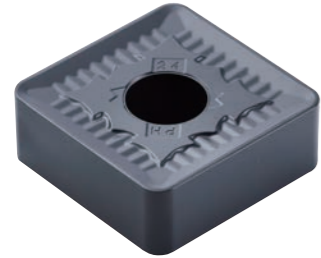
- HNGU09+MFC145
高经济多功能面铣
Multi-Function Face Milling with High Cost Effective



安装孔钻孔加工
Drilling of Installation Hole

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling





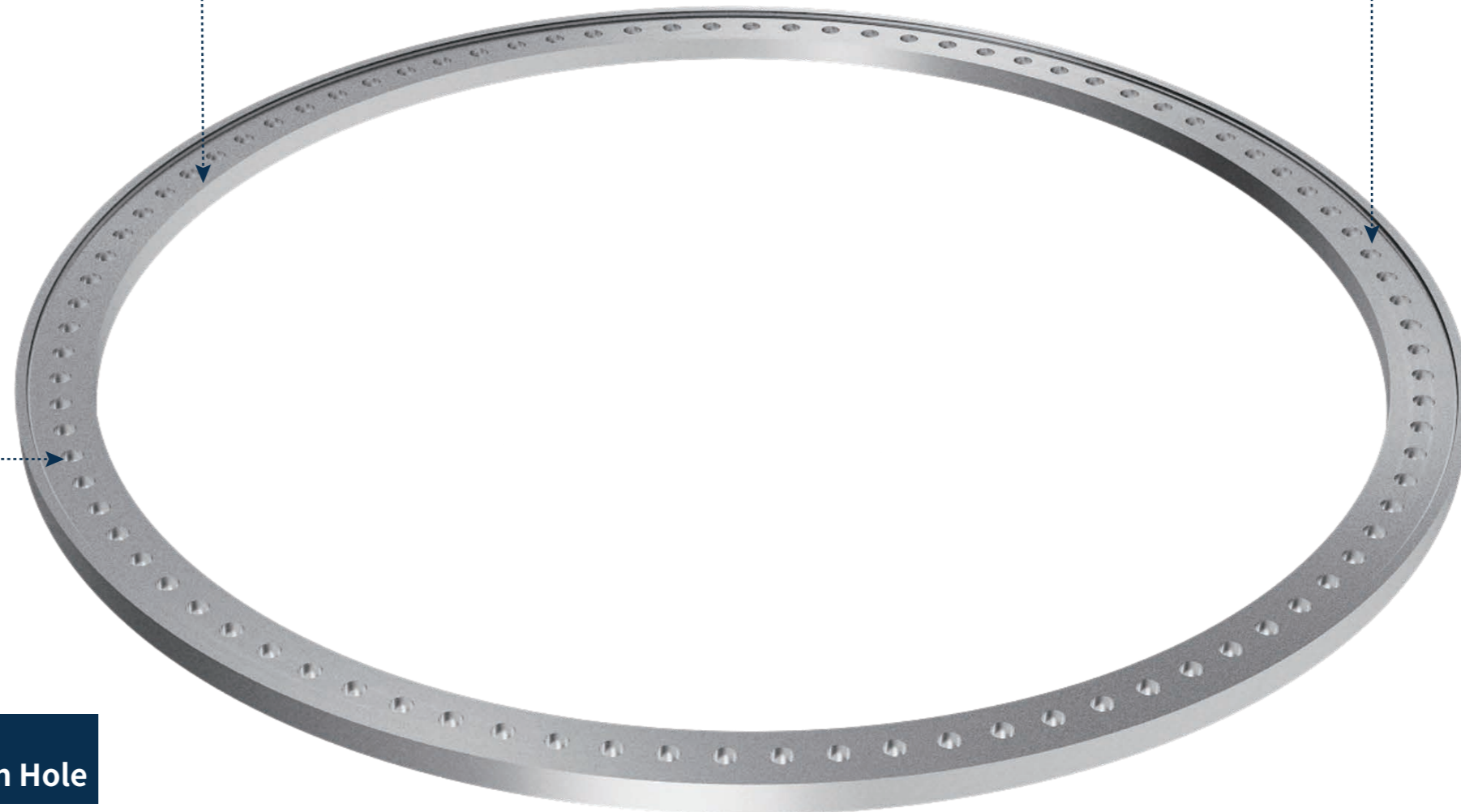
**外圆粗车加工
Rough Turning
the External Surface**

- SNMM25+PH
负型单面重载车削
Negative Single Side Heavy-duty Turning



**外圆半精车削加工
Semi Finish Turning of Outer Circle**

- CNMM19+BH
负型单面粗车削
Negative Single Rough Turning



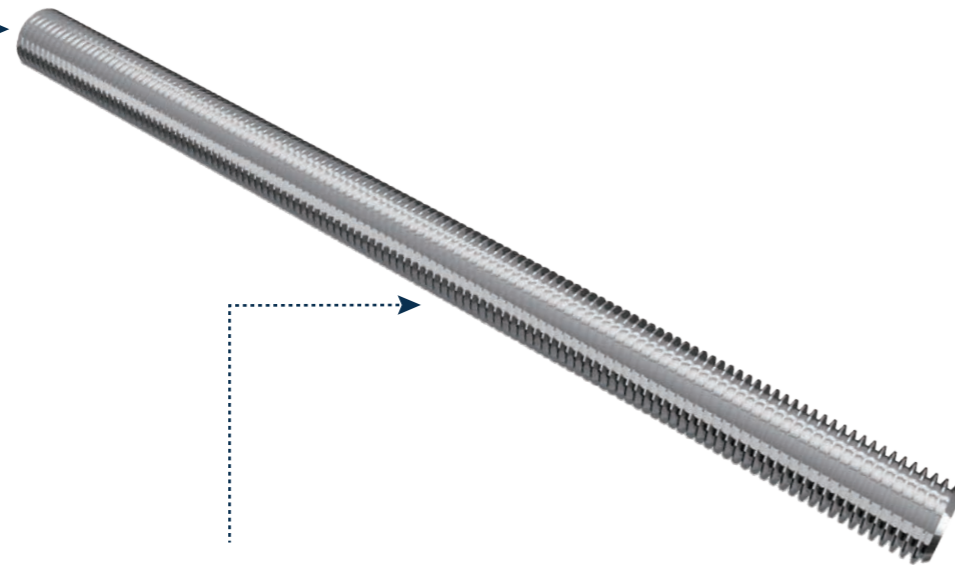
**安装孔钻孔加工
Drilling of Installation Hole**

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling



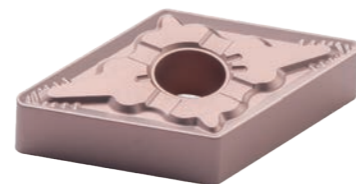
**端面车削加工
Face Turning**

- **CNMG+LR**
负型LR系列+GPT6100系列
Negative insert LR Series +GPT6100 Grade Series
GE.FORCE全新钢材高效车削刀具
Brand-new High-efficiency Turning Tool for Steel



**外圆粗/精车加工
Finish/ Rough-Finish
Turning of External Surface**

- **DNMG+QR**
负型QR系列+ GPT6100系列
Positive Insert QR Series +GPT6100 Grade Series
GE.FORCE全新钢材高效车削刀具
Brand-new High-efficiency Turning Tool for Steel



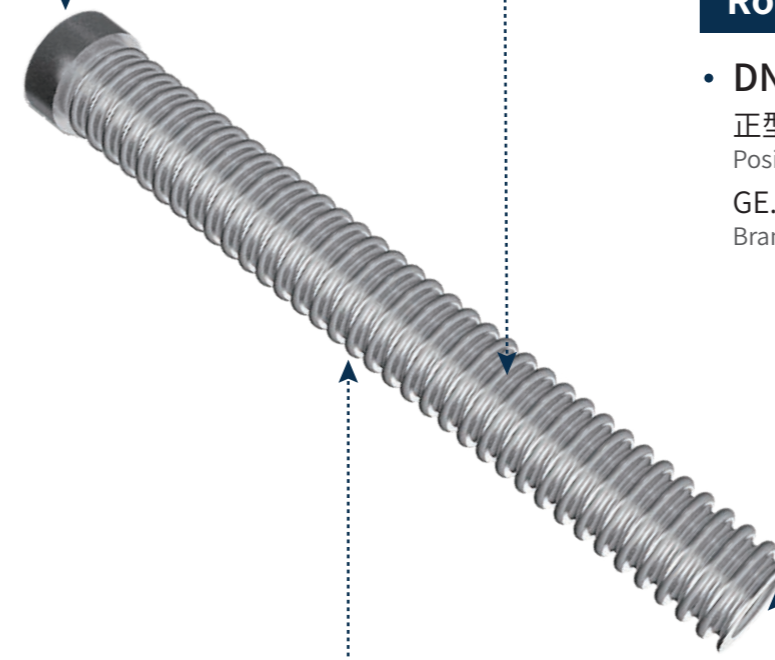
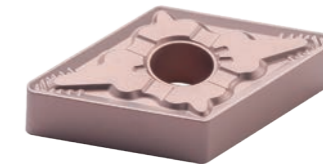
**内圆车削加工
Internal Turning**

- **CCMT+MM**
正型MM系列+ GPT6100系列
Positive Insert MM Series +GPT6100 Grade Series
GE.FORCE全新钢材高效车削刀具
Brand-new High-efficiency Turning Tool for Steel



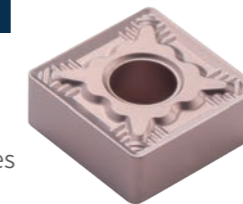
**外圆仿型粗车加工
Rough Turning of Cylindrical Profile**

- **DNMG+QR**
正型QR系列+ GPT6100系列
Positive Insert QR Series +GPT6100 Grade Series
GE.FORCE全新钢材高效车削刀具
Brand-new High-efficiency Turning Tool for Steel



**外圆粗车加工
Cylindrical Rough Turning**

- **CNMG+LR**
负型LR系列+ GPT6100系列
Negative insert LR Series +GPT6100 Grade Series
GE.FORCE全新钢材高效车削刀具
Brand-new High-efficiency Turning Tool for Steel



**内孔螺纹加工
Internal Hole
Thread Processing**

- **22IRN60-TC**
螺纹车削: 通用60°
Thread Turning: Partial Profile 60°





端面粗铣加工
Rough Face Milling

- SDMT+MKB113
单面4刃快进给铣刀
Single Side 4-edge Fast Feed Milling Cutter

端面精铣加工
Finish Face Milling

- SNE(M)U12+MFB245
双面通用面铣
General Double Side Face Milling Tool



端面安装孔钻孔加工
Drilling of End Face Mounting Hole

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling



侧壁钻孔加工
Sidewall Drilling

- D918S
高性能钢用麻花钻
High Efficiency Drilling



侧壁凹面铣削加工
Side Wall Concave Milling

- PP300-SPEED
高效加工摆线铣刀
High Efficiency Cycloold Milling Tool
实现大切深、小切宽的高效稳定加工, 兼具高抗崩性和高耐磨性
It can achieve high efficiency and stable processing of large cutting depth and small cutting width, and has high collapse resistance and high wear resistance



侧壁粗铣加工
Rough Milling of Side Wall

- LNMX+MKF115
双面4刃快进给铣刀
Double Side 4-edge Fast Feed Milling Cutter



侧壁深孔钻孔加工
Side Wall Deep Hole Drilling

- D938
高稳定性深孔钻
High Stability Deep Hole Drill



安装孔镗削加工
Boring of Mounting Hole

- RB/FB
高精度镗削系统
Precision Boring Series



工程机械加工解决方案

Manufacturing Solutions for Construction Machinery



**精镗安装孔
Finish Boring of Mounting Hole**

- **TCMT11-GP**
通用正型轻切削
Positive Turning Insert for light cutting of General Materials



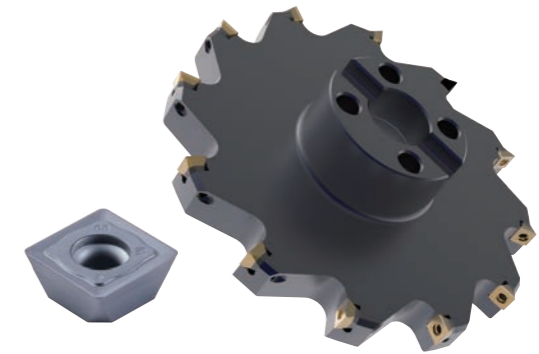
**粗镗安装孔
Rough Boring of Mounting Hole**

- **CCMT12-KM**
通用正型半精-粗加工
Positive Turning Insert for Semi-finishing and roughing of Steel and Cast Iron



**反铣内端面
Back Milling of Inner Face**

- **SDMT12-EGM+订制刀盘**
多功能铣削刀具
Multi-Function Milling Tool



**端面铣削
Face Milling**

- **HNGU09-GM+MFC145**
高经济多功能面铣
Multi-Function Face Milling with High Cost Effective



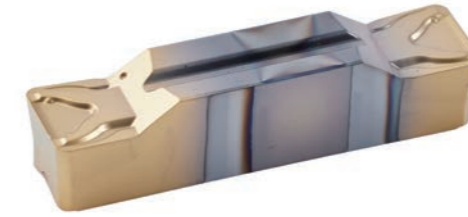
**内圆粗刮
Rough Skiving of Inner Circle**

- TPMT19-BD
粗刮刀片
Rough Skiving Insert



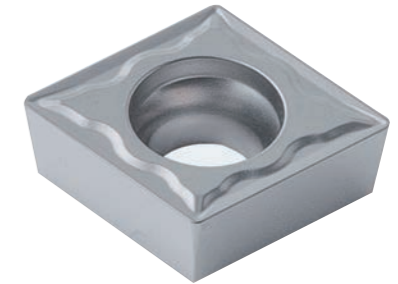
**切槽加工
Grooving**

- GTD20-FT
切槽切断系列刀具
Grooving and Parting Inserts



**内圆车削加工
Internal Turning**

- CCMT12-GP
钢材高效车削刀具
High-efficiency Turning Tool for Steel



**内圆精刮
Finish Skiving of Inner Circle**

- LNEF08-EPM
精刮刀片
Finish Skiving Insert



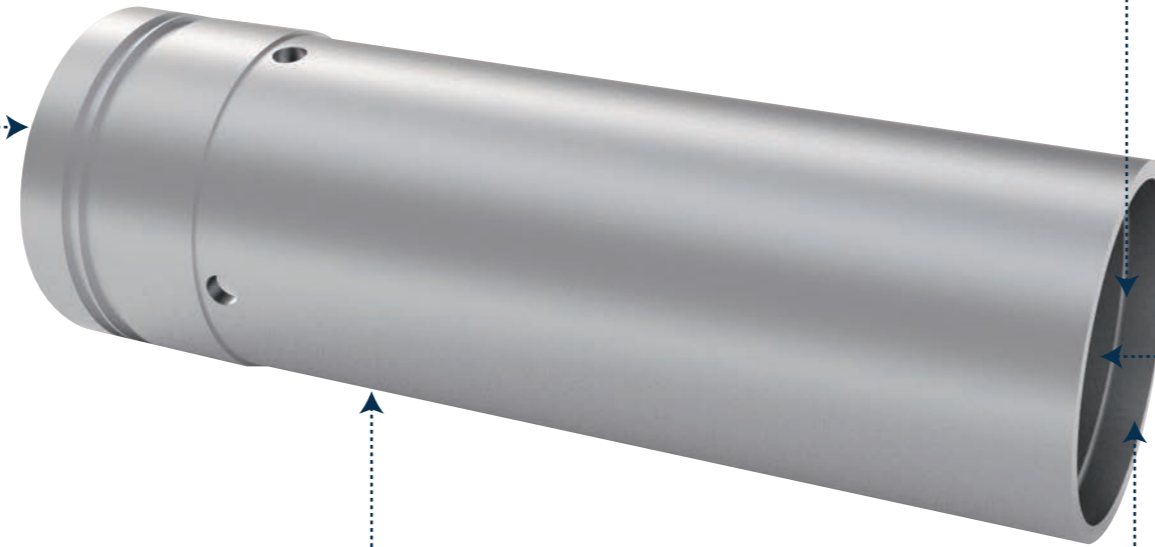
**外圆车削
Cylindrical Turning**

- CNMG12-PM
钢材高效车削刀具
High-efficiency Turning Tool for Steel



**螺纹加工
Machining of Thread**

- 16IR-TC
螺纹车削ISO60°
Thread Turning ISO 60°



**反铣内端面
Back Milling of Inner Face**

- LNMT15-GH
立装八刃平面铣刀片
Vertically Eight Edge Milling Insert



**端面孔加工
Drilling of End Face Hole**

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling



**端面粗铣
Rough Face Milling**

- HNGU13-GH+MFC145
高经济多功能面铣
Multi-Function Face Milling with High Cost Effective



**端面精铣
Finish Face Milling**

- SNEU12-GM+MFB288
双面通用面铣
General Double Side Face Milling Tool



安装孔加工
Drilling of Mounting Hole

- HD5-Z
非标钻头
Non-standard Drill



钻堵塞孔和紧定螺纹孔
Drilling of Plug Hole and Tighten Thread Hole

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling



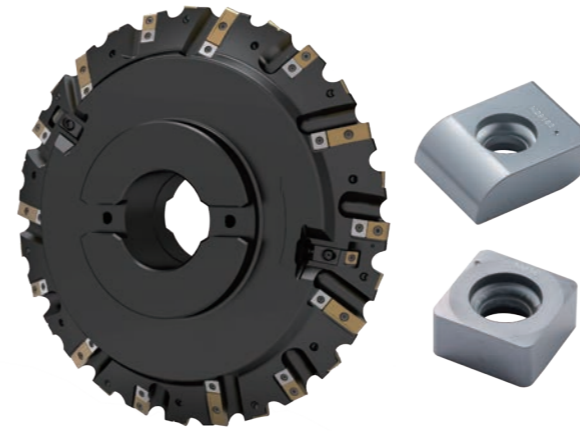
球沟道粗车
Rough Turning of Ball Channel

- RCMX160600-RR
粗车刀片
Rough Turning Insert



齿轮加工
Gear Machining

- 非标铣轮刀具
高精度非标齿轮铣刀
High-precision Gear Milling Tool



粗车
Rough Turning

- RCMX25-RR1
粗车刀片
Rough Turning Insert



精车
Finish Turning

- CNMG12-PM
钢材高效车削刀具
High-efficiency Turning Tool for Steel



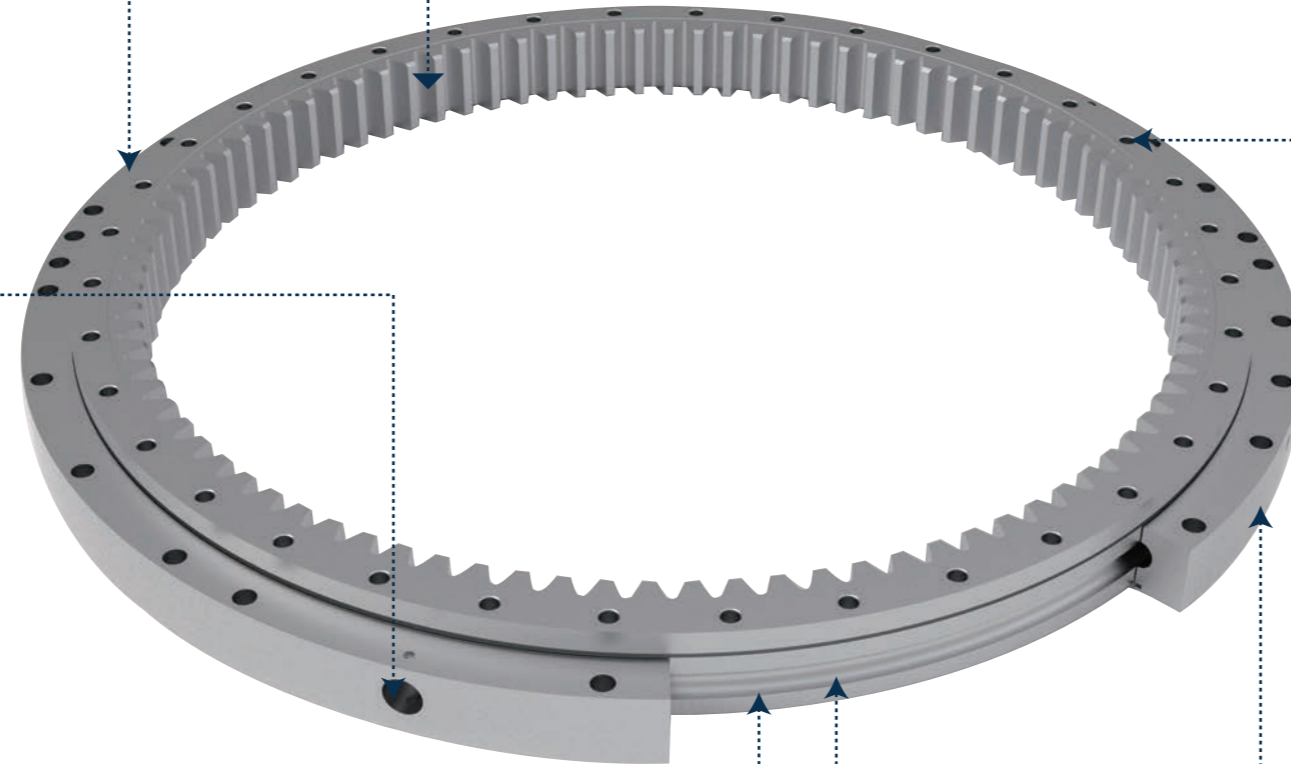
油孔加工
Oil-hole Machining

- D938深孔钻
深孔内冷麻花钻
Deep-hole Inner Cooling Twist Drill



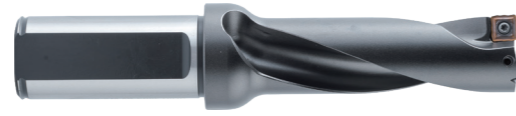
球沟道精车
Finish Turning of Ball Channel

- RCGN12
高耐磨性CBN刀具
High Wear Resistance CBN Tool



**侧面孔加工
Drilling of Side Face Hole**

- QPMG+GHDS
高效率浅孔钻
High Efficiency Indexable Hole Drilling



**端面铣削
Face Milling**

- HNGU09-GM+MFC145
高经济多功能面铣
Multi-Function Face Milling with High Cost Effective



**台阶面镗孔
Spot Facing on Step Surface**

- TCMT16-MM
通用正型轻切削
Positive Turning Insert for light cutting of General Materials



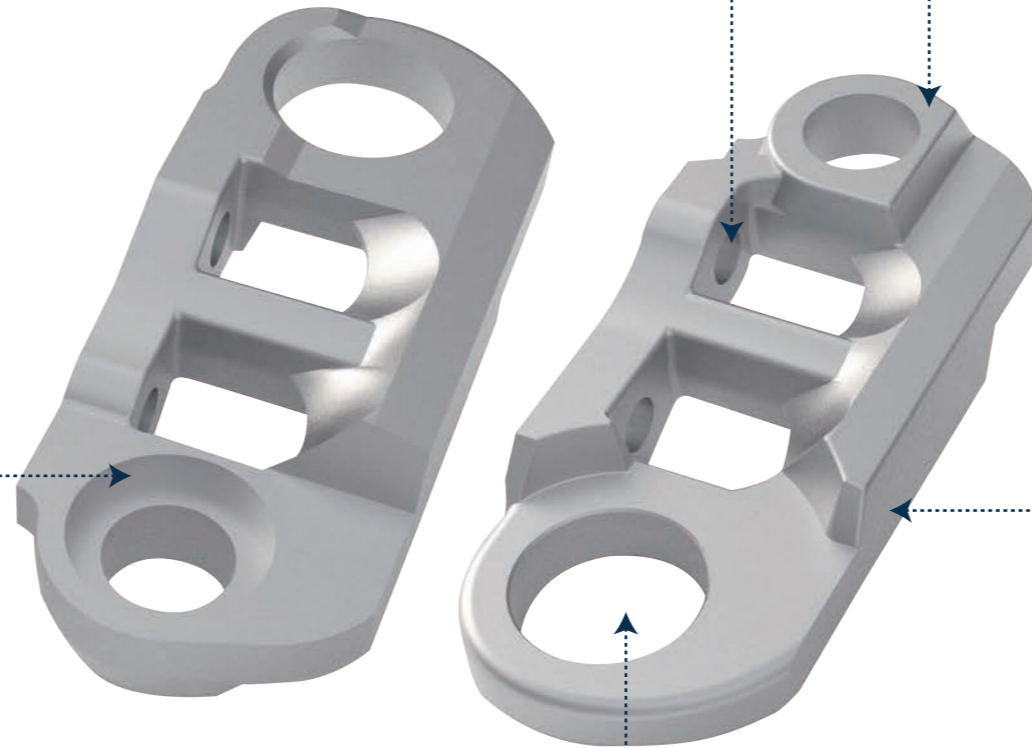
**侧面铣削
Side Face Milling**

- SNMU12-GM+MFB245
双面通用面铣
General Double Side Face Milling Tool



**内孔加工
Boring of Internal Hole**

- SCMT09-GP
通用正型轻切削
Positive Turning Insert for light cutting of General Materials



孔加工
Drilling

- D938系列
普通钢加工硬质合金麻花钻
Solid Carbide Twist Drill for Steel



孔加工
Drilling

- D938深孔钻
深孔内冷麻花钻
Deep-hole Inner Cooling Twist Drill



端面及外圆粗车
Rough Turning of Outer Circle and End Face

- CNMG12-PM
钢材高效车削刀具
High-efficiency Turning Tool for Steel



内孔车削
Turning of Internal Hole

- CNMG12-QM
钢材高效车削刀具
High-efficiency Turning Tool for Steel



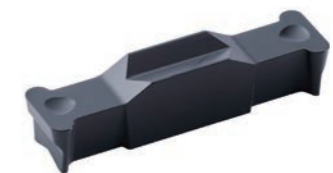
端面及外圆精车
Finish Turning of Outer Circle and End Face

- CNMG12-QF
钢材高效车削刀具
High-efficiency Turning Tool for Steel

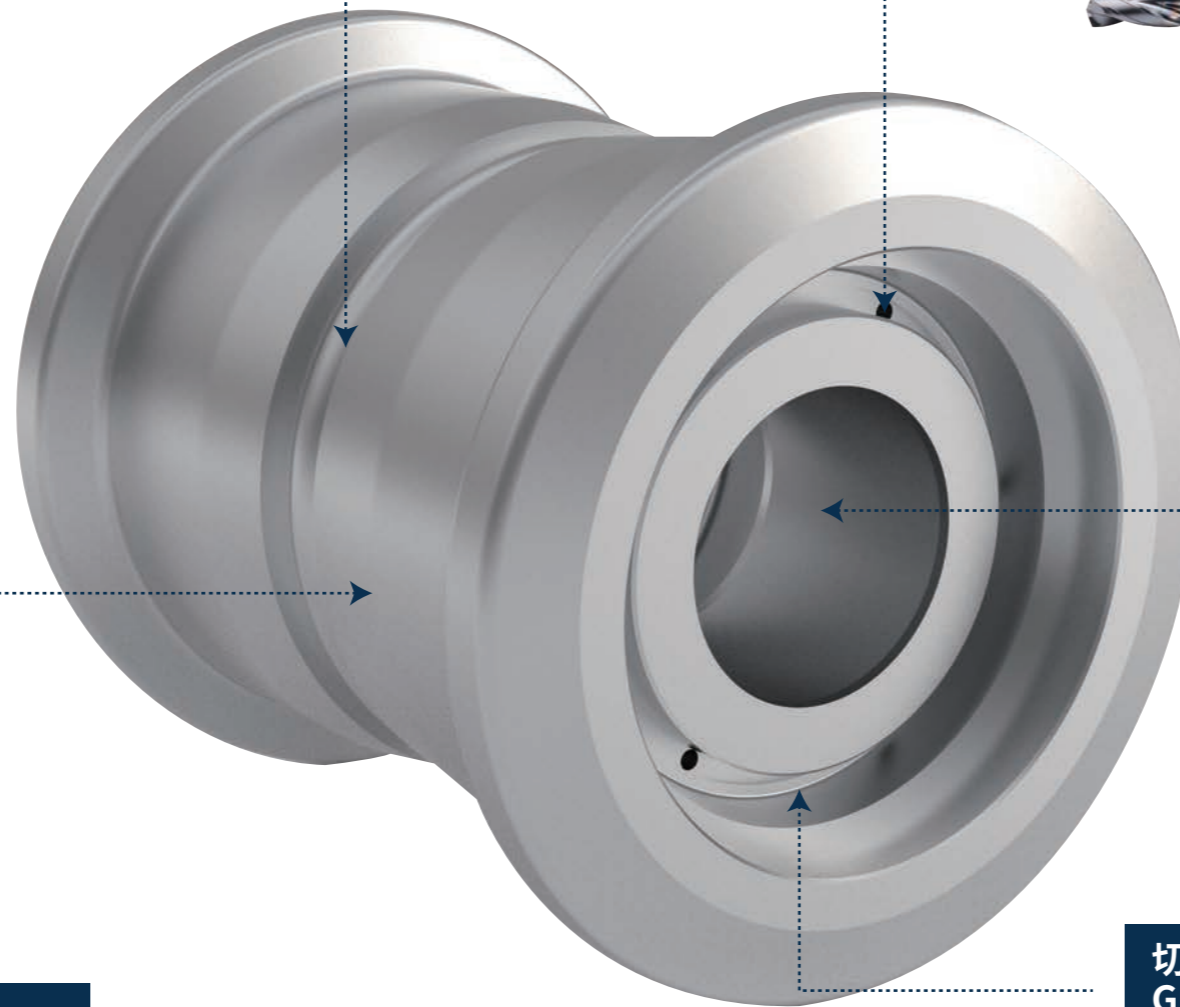


切槽加工
Grooving

- GZD6010-MR
非标切槽刀具
Non-standard Grooving Cutter



- GTD60-FT
切槽切断系列刀具
Grooving and Parting Inserts

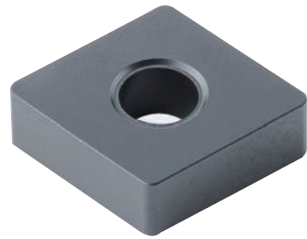


**粗车
Rough Turning**

• **CNMA12**

平板铸铁车削刀具

Flat-top for Cast Iron Used



**精车
Finish Turning**

• **CNMG12-MK**

铸铁高效车削刀具

High-efficiency Turning Tool for Cast Iron



**侧面铣削
Side Face Milling**

• **SNMU12-GM+MFB288**

双面通用面铣

General Double Side Face Milling Tool



**切槽加工
Grooving**

• **GTD60-FT**

切槽切断系列刀具

Grooving and Parting Inserts

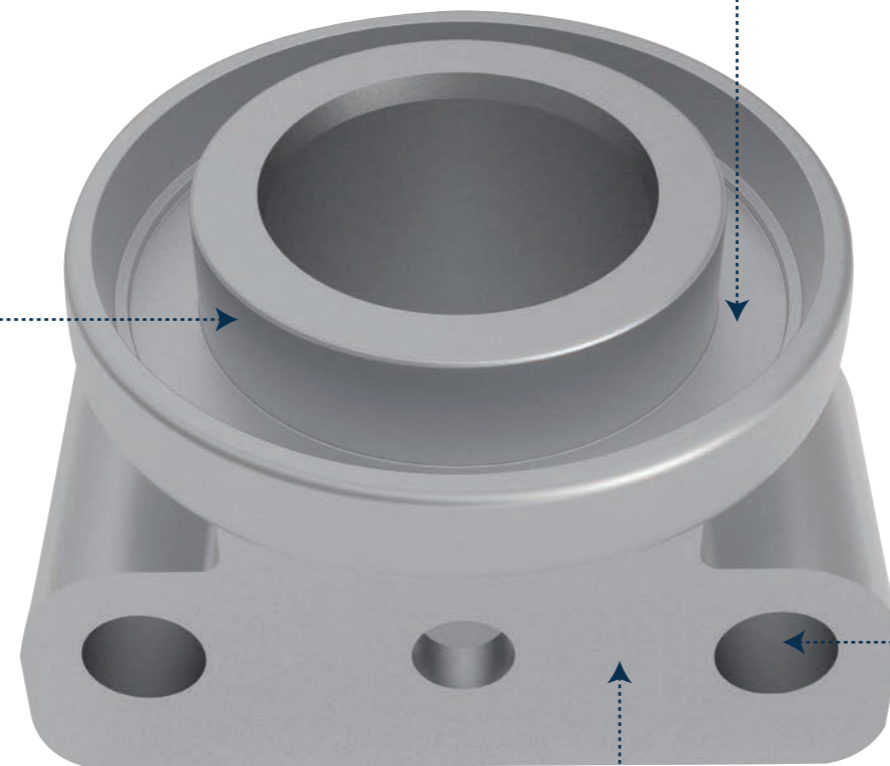


**孔加工
Drilling**

• **QPMG+GHDS**

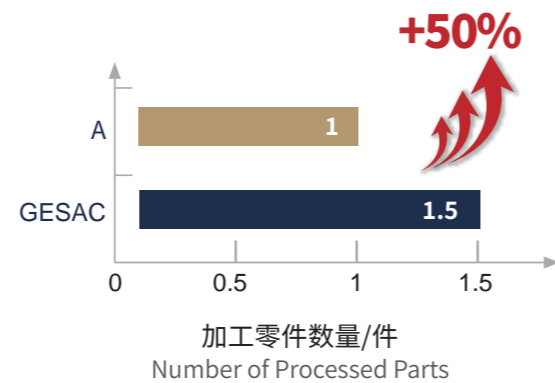
高效率浅孔钻

High Efficiency Indexable Hole Drilling



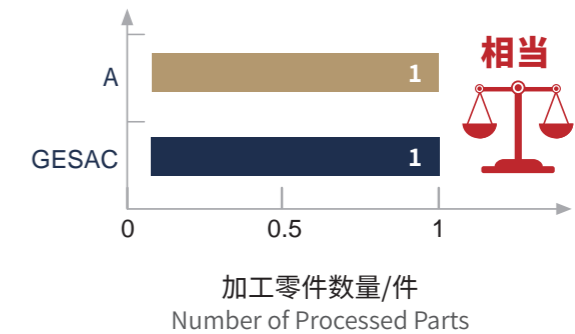
变桨系统-轮毂
Pitch system-Hub

加工方式 Processing Methods	平面铣削-粗加工 Face Milling-Roughing
刀片型号 Indexable Inserts	HNGU0905ANEN-GH-GM2140
刀体 Cutter Holder	MFC145160R12C40HN09HA
加工材料 Workpiece	QT600
切削速度 Cutting Speed	Vc=251m/min (n=500r/min)
进给速度 Feed	fz=0.75mm/rev (F=4500mm/min)
切深量 Cutting Depth	ap1=3mm, ap2=2mm
加工设备 Equipment	卧式铣床 Horizontal milling machine
冷却方式 Cooling Method	乳化液, 外冷 emulsion, external cooling
切削效果 Processing Result	寿命超过客户要求 The service life exceeds the customer's requirements



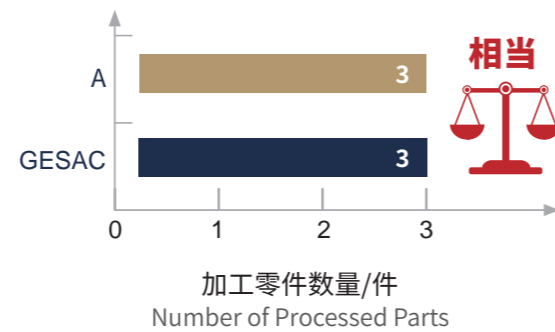
传动系统-主轴
Drive system-Principal Axis

加工方式 Processing Methods	扒皮粗车 Rough Turning the Oxide Scale
刀片型号 Indexable Inserts	SNMM250924-PY1-GP1120
刀体 Cutter Holder	SBNR4040S2509
加工材料 Workpiece	42CrMo4/30CrNiMo8
切削速度 Cutting Speed	Vc=62-85m/min
进给速度 Feed	fn=0.8-1mm/rev
切深量 Cutting Depth	Ap=15-20mm
加工设备 Equipment	卧式车床 Horizontal lathe
冷却方式 Cooling Method	干切 Dry cutting
切削效果 Processing Result	断屑性能、寿命满足客户要求 The performance of chip-breaking and service life can meet the customer's requirements



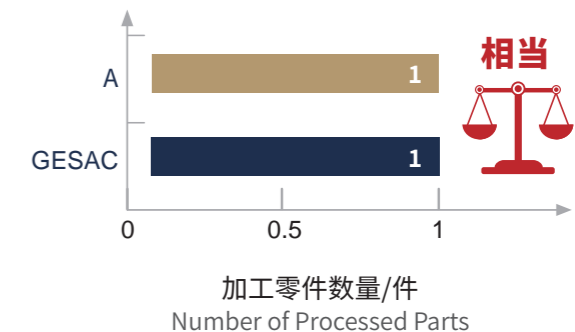
变桨系统-轮毂
Pitch system-Hub

加工方式 Processing Methods	背铣 Back Milling
刀片型号 Indexable Inserts	PSDMT120508-EGM-GM2140
刀体 Cutter Holder	非标定制刀体 Non-standard cutter holder
加工材料 Workpiece	QT600
切削速度 Cutting Speed	Vc=180m/min
进给速度 Feed	fz=0.2mm/rev
切深量 Cutting Depth	ap=1-1.5mm
加工设备 Equipment	卧式铣床 Horizontal milling machine
冷却方式 Cooling Method	干切 Dry cutting
切削效果 Processing Result	寿命满足客户要求 The service life can meet the customer's requirements



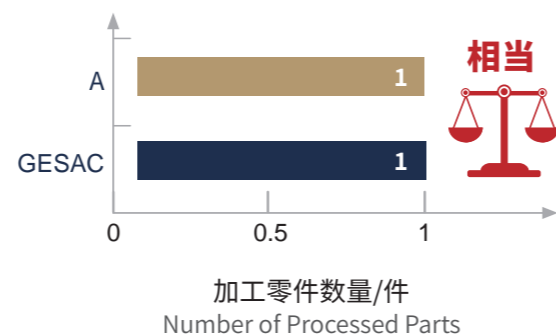
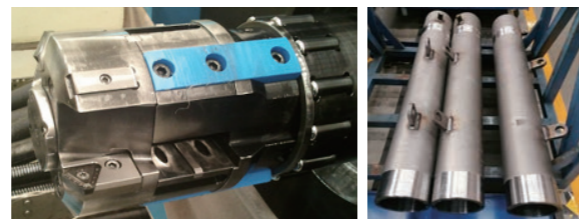
固定系统-法兰
Fixed system-Flange

加工方式 Processing Methods	外圆车削+内圆车削+端面车削 Turning of the outer circle, internal hole and end face
刀片型号 Indexable Inserts	CNMM190624-BH-GP1130
刀体 Cutter Holder	客户提供 Turning toolholders of the customer
加工材料 Workpiece	Q355
切削速度 Cutting Speed	粗: Vc=64-106m/min 精: Vc=140m/min
进给速度 Feed	粗: fn=1mm 精: fn=0.5mm
切深量 Cutting Depth	粗: Ap=10-13 精: Ap=3.5-4.5mm
加工设备 Equipment	立式车床 Vertical lathe
冷却方式 Cooling Method	乳化液, 外冷 emulsion, external cooling
切削效果 Processing Result	断屑性能、寿命满足客户要求 The performance of chip-breaking and service life can meet the customer's requirements



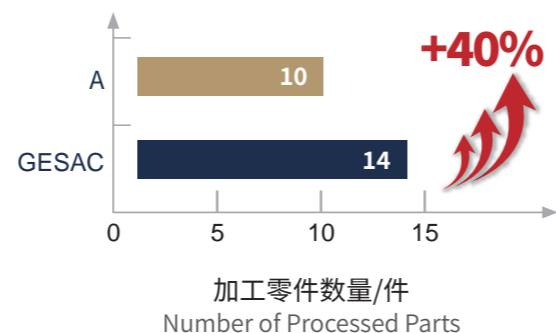
液压支撑杆 Hydraulic cylinder

加工方式 Processing Methods	液压油缸刮辊粗加工 Rough skiving of Hydraulic Cylinder
刀片型号 Indexable Inserts	PTPMT190616-BD-GP1105
刀体 Cutter Holder	D280专用刀体 Special cutter holder with D280
加工材料 Workpiece	25Mn焊接45钢 (HRC20-30) The material welded from 25Mn and 45# steel (HRC20-30)
切削速度 Cutting Speed	Vc=158m/min
进给速度 Feed	fn=1.2mm
切深量 Cutting Depth	Ap=0.5-1mm
加工设备 Equipment	专机 Special machine tool
冷却方式 Cooling Method	乳化液, 外冷 emulsion, external cooling
切削效果 Processing Result	表面光洁度好, 寿命满足客户要求 The quality of the machined surface is good, the service life can meet the customer's requirements



液压支撑杆 Hydraulic cylinder

加工方式 Processing Methods	液压油缸刮辊粗加工 Rough skiving of Hydraulic Cylinder
刀片型号 Indexable Inserts	LNEF080505-EPM-GP1105S
刀体 Cutter Holder	D160专用刀体 Special cutter holder with D160
加工材料 Workpiece	冷轧 (型材) : ZNQ720 Cold Rolled Steel: ZNQ720
切削速度 Cutting Speed	Vc=151m/min
进给速度 Feed	fn=2mm
切深量 Cutting Depth	Ap=0.4-0.5mm
加工设备 Equipment	专机 Special machine tool
冷却方式 Cooling Method	乳化液, 外冷 emulsion, external cooling
切削效果 Processing Result	表面光洁度好, 寿命超过客户要求 The quality of the machined surface is good, the service life exceeds the customer's requirements



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