



LMT Tool Systems

航空航天产品宣传册



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公司介绍

德国蓝帜金属加工技术集团整合了精密工具技术领域一流专家的能力，所汇聚的专业知识使蓝帜金工能制定并向全世界提供刀具解决方案，所涉及的加工材料涵盖从高强度钢至复合材料等范围。

公司拥有1200多名员工和专业的合作伙伴，可向全球范围内的客户提供全面的刀具、切削材料和服务，满足最多样化的切割和非切割用途以及刀具修磨和刀具管理领域的各项服务的要求。

德国蓝帜金属加工技术集团总部位于德国奥伯科亨，旗下有多家制造公司，包括蓝帜贝林、蓝帜菲特、蓝帜基宁格和蓝帜昂思路，以及生产服务机构和全球经营销售机构。

- 蓝帜贝林的总部位于法国拉旺西亚，专门从事塑料、轻金属和复合材料加工领域的精密刀具。蓝帜贝林自2001年起便是集团的一份子，与蓝帜昂思路共同构成集团复合材料加工领域的能力中心。
- 蓝帜菲特的总部位于德国汉堡附近的施瓦岑贝克市，是世界上精密铣削刀具、齿轮滚刀、螺纹滚压系统和丝锥的一流制造商。作为蓝帜金工的创始成员，蓝帜菲特于1993年加入蓝帜金工，是集团铣削和螺纹切削以及滚压领域应用的能力中心。
- 蓝帜基宁格作为特殊刀具的专业制造商，因挑战加工应用而享有世界级声誉。作为模具制造和零部件加工领域的能力中心，汽车和汽车供应商行业已成为关键领域。
- 蓝帜昂思路专门从事铝材、塑料和复合材料的高速加工刀具。蓝帜昂思路和蓝帜贝林共同构成集团内复合材料加工领域的能力中心。



LMT Tools combines the competences of leading specialists in the field of precision tool technology. This pooled expertise enables LMT Tools to develop and deliver tool solutions world-wide for processing materials ranging from high-strength steel to composite materials.

More than 1,200 employees and a network of specialized partners enable the company to offer its customers worldwide a comprehensive range of tools, cutting materials and services for the most diverse cutting and non-cutting applications as well as various services in the fields of tool reconditioning and tool management.

LMT Tools is based in Oberkochen, Germany. The company group encompasses the manufacturing companies LMT Belin, LMT Fette, LMT Kieninger and LMT Onsrud, production and service facilities and a globally operating sales organization.

- LMT Belin is based in Lavancia, France, and specializes on precision tools for the machining of plastics, light metals and composite materials. LMT Belin has been part of the Group since 2001 and together with LMT Onsrud forms the Group's competence center for the machining of composites.
- LMT Fette is based in Schwarzenbek near Hamburg, Germany, and is one of the world's leading manufacturers of precision milling tools, gear hobs, thread rolling systems and taps. LMT Fette was a founding member of LMT when it was established in 1993 and is the Group's competence center for applications in the fields of milling and thread cutting and rolling.
- LMT Kieninger has established a global reputation as a specialist manufacturer of specialized tools for challenging machining applications. As a competence center for die and mould making and component machining, the automobile and automotive supplier industries are a key area.
- LMT Onsrud specializes in tools for the high-speed machining of aluminium, plastics and composite materials. LMT Onsrud and LMT Belin together form the competence center for the machining of composites within the Group.

梁、肋、框等结构件



AMC系列
铝合金铣刀



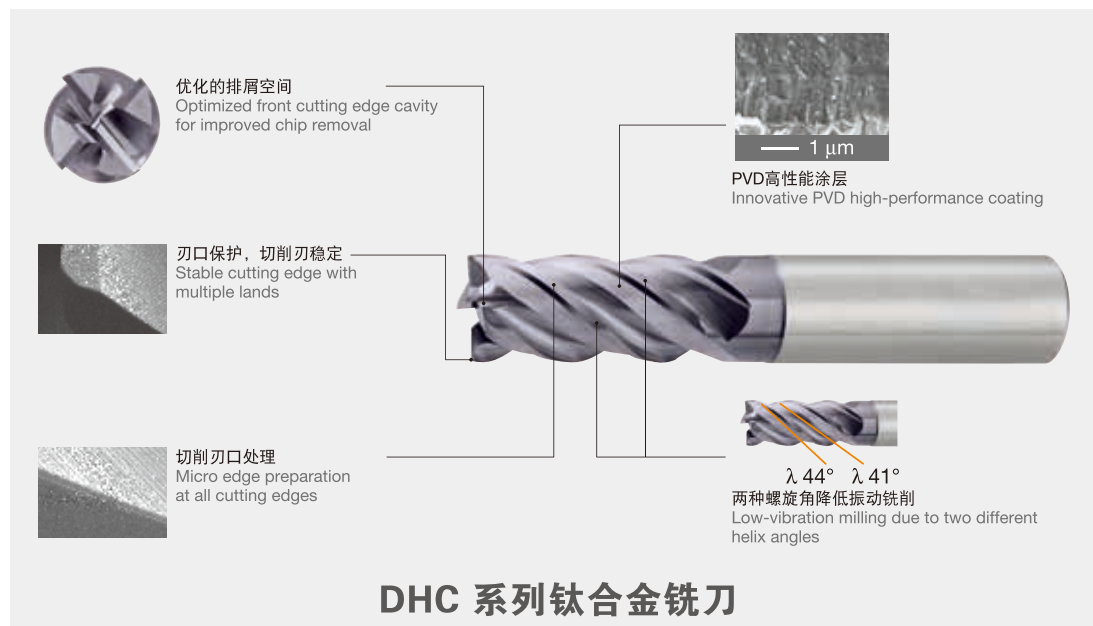
FMZ90系列
铝合金高性能铣刀



AIRline 系列
铝合金铣刀



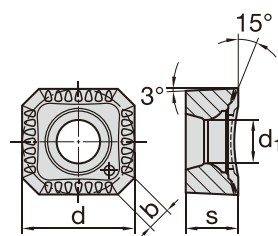
梁、肋、框等结构件



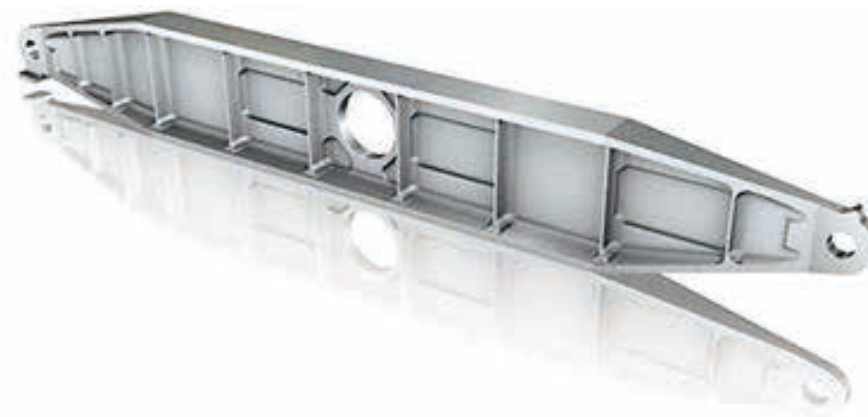
EMC 系列钛合金铣刀



MXQ 系列钛合金铣刀



MultiEdge VA--FMV45面铣刀



工装模具 —— 粗加工



DHC Cutter
整体硬质合金抗震立铣刀



AR Ball Nose
特殊刀片式粗加工球刀
• $\varnothing 12\text{ mm}$ — $\varnothing 32\text{ mm}$



MultiEdge High Feed
高进给刀具



Acu-Jet Premium
牛鼻刀可以用于高强度钢加工



Univex Premium
90° 方肩铣刀



工装模具 —— 精加工



Solid Carbide Endmills

- Ø0.2 — Ø3 mm
- 有金刚石涂层
- 极其细粉末棒料



Nanosphere Red

- 模具行业立铣刀
- 用于工件硬度54-68 HRC
- 纳米涂层技术



EBG R And EBG V

- Ø6 — Ø32 mm
- 球刀和圆鼻刀
- 带有内冷系统
- 有硬质合金刀杆



FinishLine

- Ø12 — Ø100mm
- 有05及08两个尺寸刀片
- 刀片带有小修光刃

复合材料零部件——铣削



铣铣刀



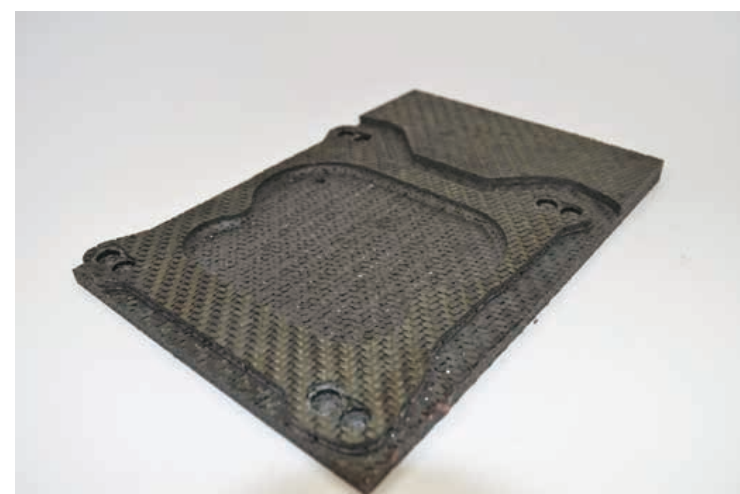
金刚石涂层铣刀



PCD铣刀



凯夫拉铣刀



复合材料零部件——钻削



凯夫拉钻头



抛物线钻头



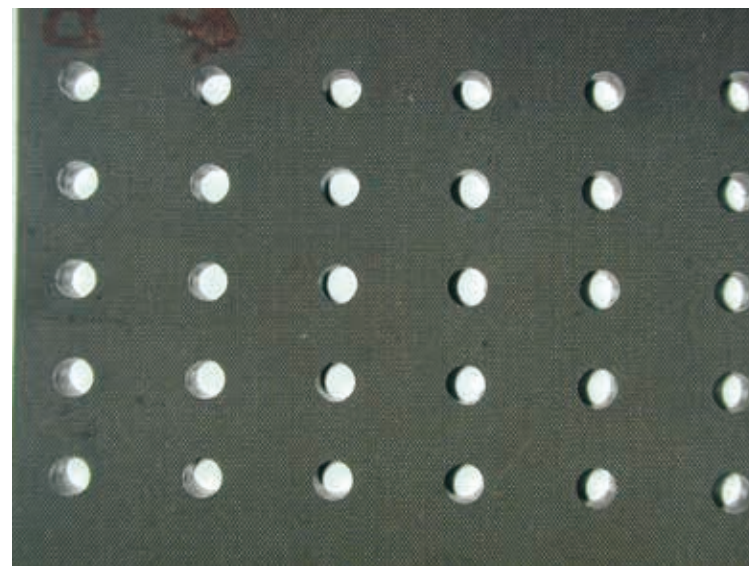
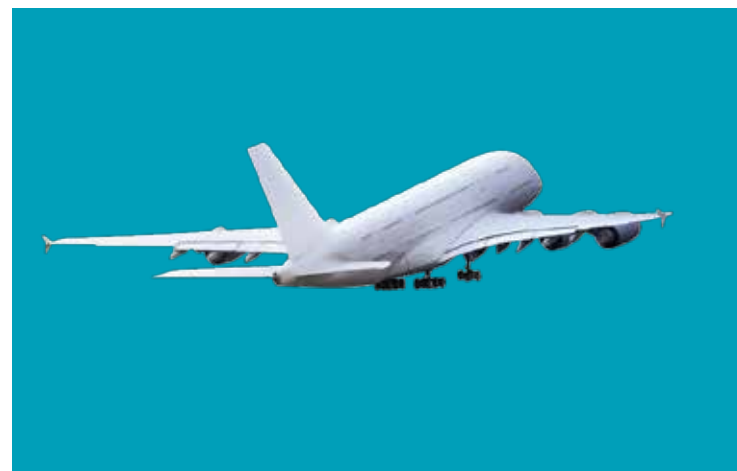
8面钻头



PCD钻头



匕首钻



纸、铝等材质蜂窝芯零件



蜂窝铣刀



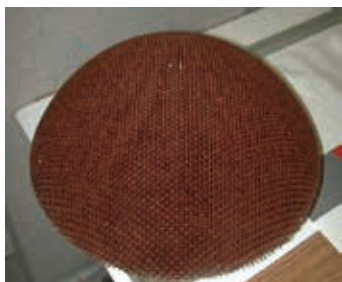
中空铣刀



造型铣刀

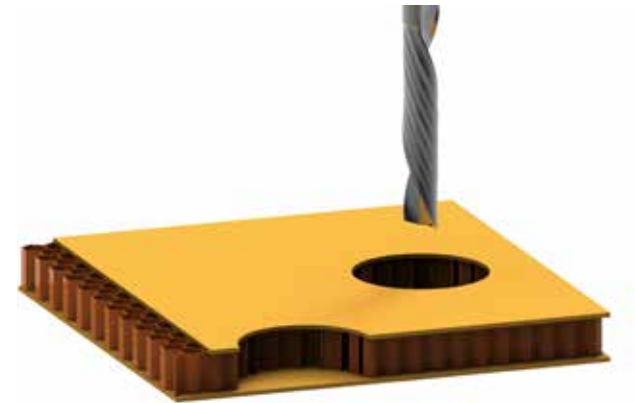
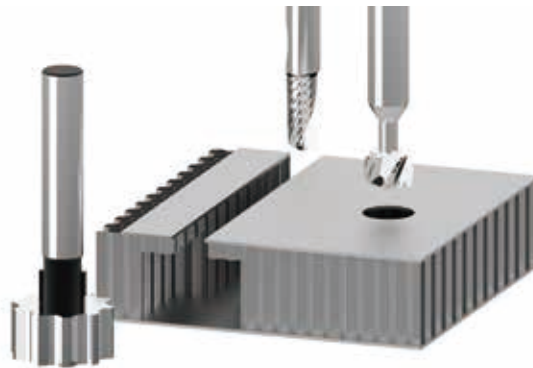
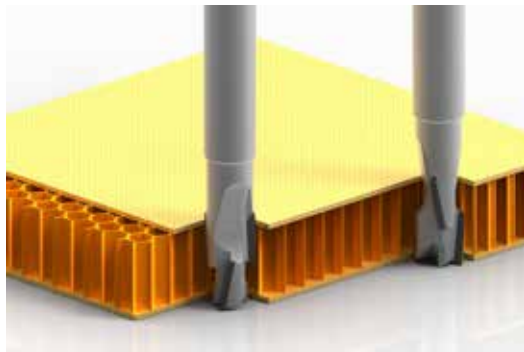


粉碎铣刀

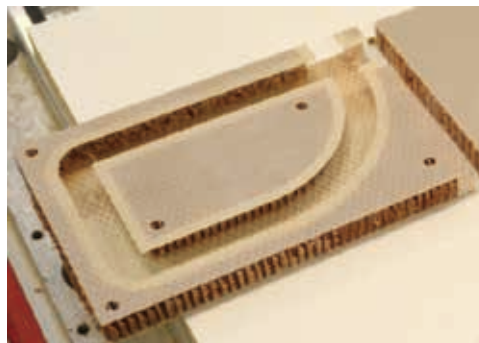


夹芯蜂窝类零件

夹芯蜂窝材料广泛应用于飞机地板、隔板等零件

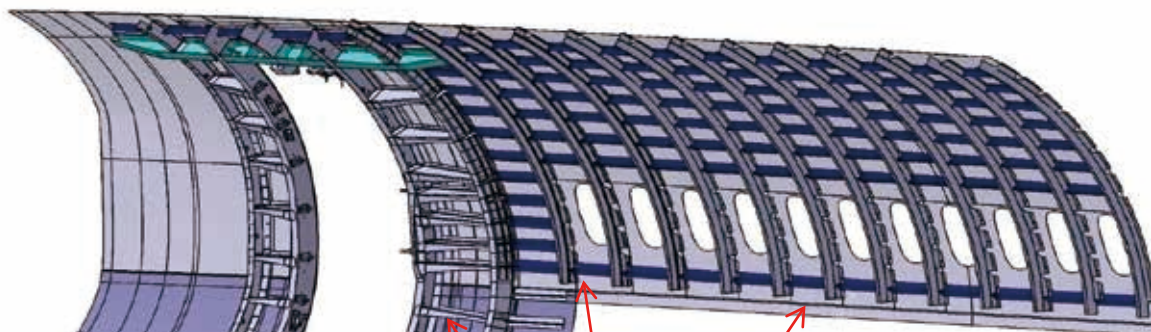


飞机地板专用开槽、切边刀具



航空部件叠板装配 —— 刀具

手动风钻工艺



CFRP 蒙皮
铝合金框
钛合金加强筋



台阶钻

钻、铰一体

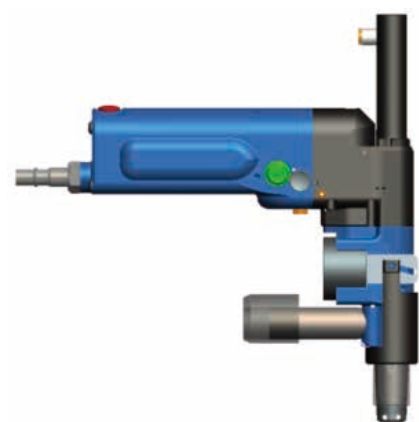
钻、镗一体



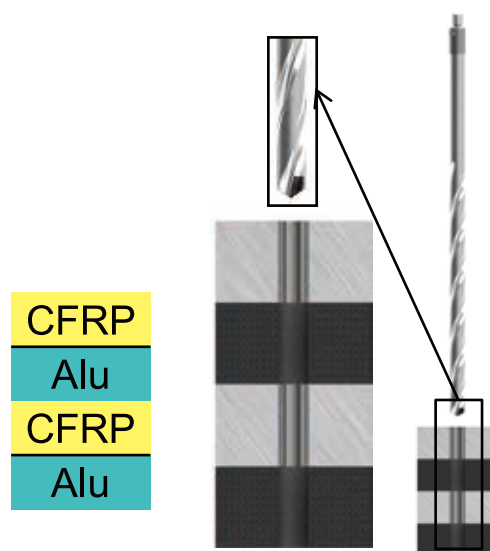
镗窝钻

航空部件叠板装配 —— 刀具

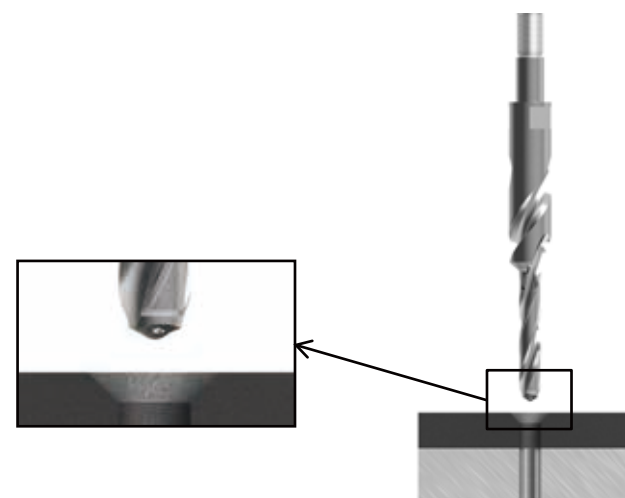
自动进给钻孔工艺



ADU风钻



深孔钻



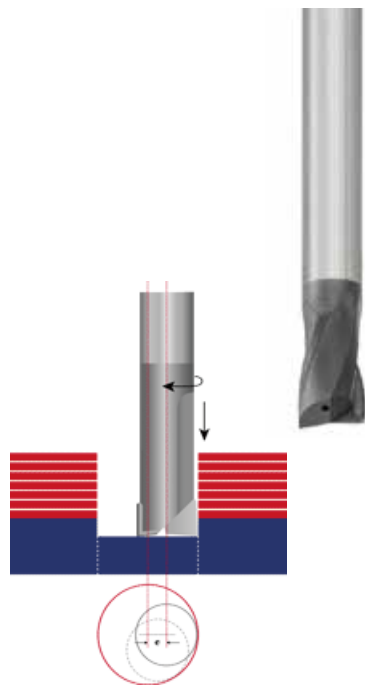
钻、铰、镗一体

航空部件叠板装配 —— 刀具

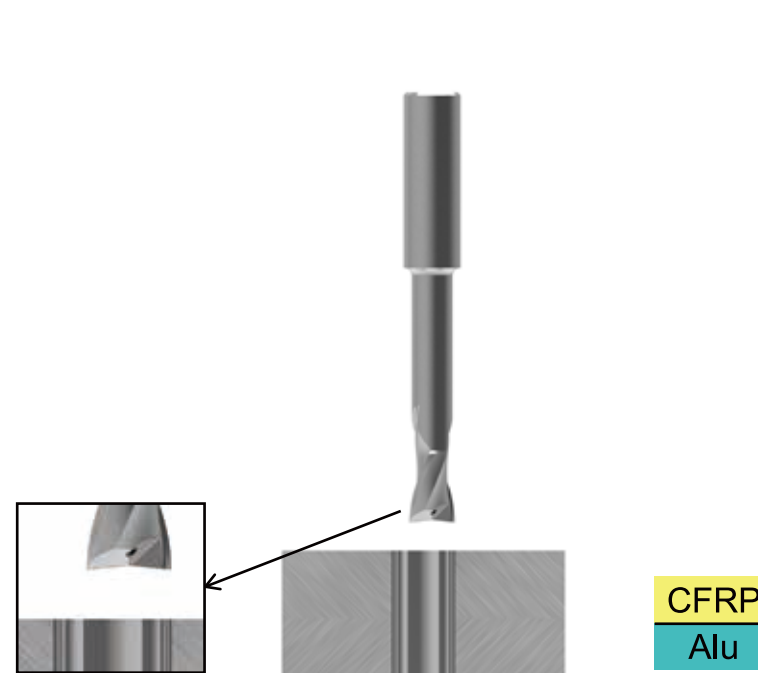
螺旋铣孔工艺



机器人执行器



铣孔原理



螺旋铣孔

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微信公众平台

