

worknc

KETOS

“ W使用WorkNC，我们可以以合理的成本控制从设计到内部生产的整个周期。

”

WorkNC CAM软件是世界领先的高效自动化2-5轴CNC编程软件，所有西方发达国家、日韩、中国等汽车制造商以及其他行业的知名OEM厂商都在使用WorkNC。WorkNC凭借其独特的加工优势被广泛应用于汽车、科研、航空航天、3C、通讯、医疗器械、采矿、休闲机械、通用机械、特殊机械、模型制造等领域加工。

WorkNC运用于滑翔和帆船行业的箔片、配件和模型制造，帮助Ketos提高2.5倍转速

Ketos公司生产滑翔和帆船行业的箔片和配件，通过使用Vero软件的WorkNC CAM解决方案，实现了2.5倍快速周转。

Ketos总部位于法国的Savoie，其使用WorkNC加工各类原型模具的一两个零部件，或者加工多达30个零件的迷你系列原型模具。总经理Anne Rostain说，WorkNC的设计数据的准确性保证了生产模具是原型的精确复制品。

“当我们设计产品时，我们的目标是创造精确、高性能的配置文件，满足不同的航行标准。”因此，加工操作必须准确反映我们的想象和设计。

她说，他们会定期测试新产品，这意味着他们每个月都会为他们的高科技复合材料制作两到三个新模具。

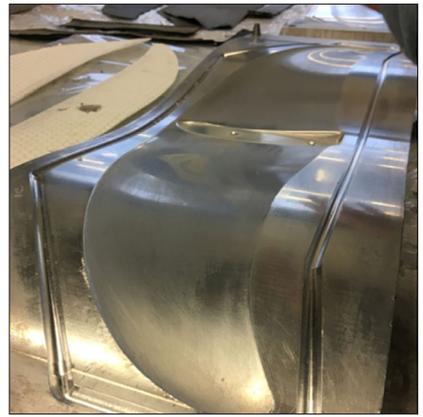
Ketos成立于25年前，拥有300平方米厂房和10名员工。客户主要是来自世界各地的冲浪爱好者，以及

专营的零售商店。Ketos以可持续性发展为理念，不断提升产品性能，为用户生产可靠的产品。同时

Ketos热衷于产品定制，致力于提供高质量的材料、最好的技术和环境解决方案。

Ketos使用Raptor 2.5轴数控机床，由WorkNC三轴软件驱动，生产的产品主要以生物树脂为材料，并使用SolidWorks CAD设计。在产品设计的细节上，他们需要确保最终产品是完全符合设计的。

WorkNC允许他们通过将CAD转换成CAM来实现无缝设计和制造。Anne Rostain说：“使用WorkNC，我们可以以合理的成本控制从设计到内部生产的整个周期。”



About The Company:

Name:
Ketos

Business:
Manufacturing foils and accessories for the gliding and sailing industries.

Website:
www.ketos-foil.com/en

Benefits Achieved:

- End product is exactly as designed..
- Maintain control over the complete cycle at reasonable cost.
- Dramatically improved turnaround times.
- Accuracy plays a key role in saving time.
- Allows them to be very responsive and rapidly test new ideas.
- User friendly.
- Higher level of automation.

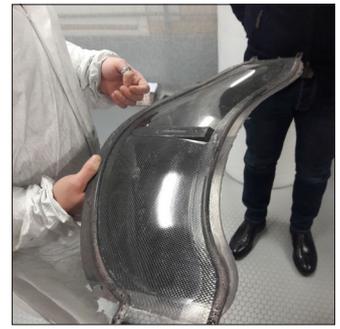
Comments:

“We save a lot of time thanks to the use of machining sequences which allow us to re-use and make adjustments to existing programs.”

Anne Rostain
Managing Director

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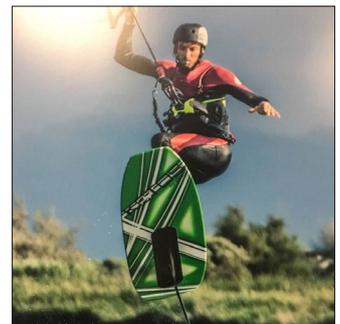
在过去的两年里，使用WorkNC大大改善了周转时间，估计速度快了2.5倍，生产效率也提高了。在投资WorkNC之前，生产过程完全是靠手工制作的，他们使用模型制造商生产基于原型的树脂模具。他们决定投资WorkNC，以及一个自动化生产的数控机床。我们需要一个简单易用的三轴的解决方案来驱动我们的NC机器。而WorkNC很容易实现，成本也很快得到了回报。



准确性在节省时间方面也发挥了关键作用。Anne Rostain把这款软件描述为“至关重要”，因为它可以创建出他们的原型。“每个模具都是独一无二的，这可能会耗费时间去创造。”然而，WorkNC允许Ketos快速响应并快速测试新想法。我们生产用复合材料制成的高科技部件的原型模具。我们被要求定期测试新的资料，这意味着我们每个月必须计划2至3个新模具。



Ketos受益于WorkNC的用户友好性和加工序列功能，这些功能允许客户从数据库中使用数据，并简单地将其应用到新工作中，这提供了更高级别的自动化。Anne Rostain总结说，WorkNC是可靠的、安全的、有效的，并且易于实现。“我们节省了大量的时间，这要归功于我们使用的加工序列，使我们能够重复使用并调整现有的程序。” WorkNC 3D加工策略的范围很广，五轴策略和机器人技术提供的可能性都非常适合我们。



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KETOS

“ With WorkNC we maintain control over the complete cycle, from design through to in-house production, at a reasonable cost ”



WorkNC CAM software is the premier automatic CNC software for surface or solid models in mold, die and tooling businesses for 2 to 5-axis CNC programming. WorkNC is used by all western, Japanese and Korean automotive makers and well-known OEMs from a range of other industries.

WorkNC is best of breed, complementary CAM software that enhances all design and manufacturing systems by providing the most reliable, efficient, easy-to-program cutter paths, resulting in unmatched productivity and safety.

WorkNC Gives Ketos 2.5-Times Faster Turnaround

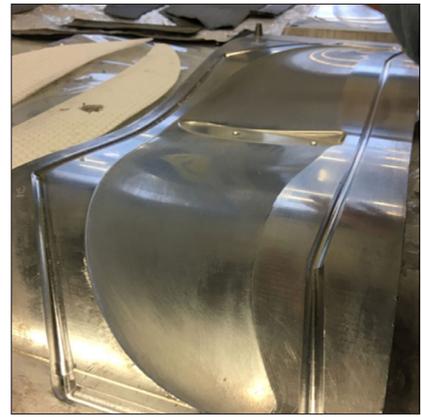
A company manufacturing foils and accessories for the gliding and sailing industries has achieved 2.5-times faster turnaround by using the WorkNC CAM solution from Vero Software.

Ketos, based at Savoie in France, uses WorkNC to machine prototype moulds for producing just one or two parts, or a mini-series of up to 30 parts. Managing Director Anne Rostain says the accuracy with which WorkNC interprets their design data guarantees that the production mould is a precise replica of the prototype.

“When we design our products we aim to create precise, high performance profiles which meet different navigation criteria. Therefore, it’s essential that machining operations produce the exact reflection of what we’ve imagined and designed.” She says they regularly test new profiles, meaning they program two or three new moulds each month for their hi-tech composite components.

The company, which was established over 25 years ago, operates with 10 employees from a 300 square metre workshop. Key customers are predominantly surfing enthusiasts from all over the world, along with specialised retail outlets. The company ethos for continuous development ensures their products have evolved to achieve product reliability and sustainability. With a huge passion for their bespoke products, Ketos work with high quality materials that offer the best technical and environmental solutions.

Using a Raptor 2.5-axis CNC machine, driven by WorkNC 3-axis software, Ketos manufacture their products mainly from bio-sourced resin and designed with SolidWorks CAD. With meticulous detail going into product design, they need to ensure the end product is exactly as designed.



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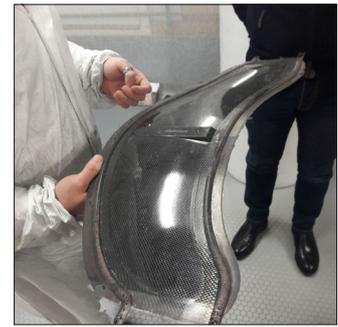
Anne Rostain
Managing Director

WorkNC allows them to take designs seamlessly through to manufacture by converting CAD into CAM. Anne Rostain says: “c”

Using WorkNC for the past two years has dramatically improved turnaround times, estimated as 2.5 times quicker, and overall production efficiency. Before investing in WorkNC the production process was completely manual in which they used a model maker to produce resin moulds based on the prototype. They decided to invest in WorkNC as well as an NC machine tool to automate production. “We needed a 3-axis solution to drive our NC machine, which was simple to use. WorkNC was easy to implement and its cost was rapidly paid back.”

Accuracy has also played a key role in saving time. Anne Rostain describes the software as “crucial” for creating their one off prototypes. “Each mould is unique, which can be time consuming to create. However, WorkNC allows Ketos to be very responsive and to rapidly test new ideas. We manufacture prototype moulds for producing hi-tech components made from composite materials. We are required to regularly test new profiles which means we have to program 2 or 3 new moulds per month.

The company has benefited from WorkNC’s user-friendliness and the machining sequences functionality which allows them to use data from the library and simply apply it to new jobs. This provides a higher level of automation. Anne Rostain concludes by saying WorkNC is reliable, secure and effective, and easy to implement. “We save a lot of time thanks to the use of machining sequences which allow us to re-use and make adjustments to existing programs. The wide range of 3D machining strategies, the possibilities offered by 5-axis strategies and robotization available with WorkNC, suits us perfectly.”



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