

应用案例—德国艾里希 (Erich) 公司

Erich 公司简介

德国艾里希 (Erich) 公司是专业的钣金制造商，该公司成立于 1932 年，位于德国汉堡。艾里希公司的钣金加工机床包括：

- 通快激光切割机 L3040
- 通快激光/冲床复合机 TC600L
- 天田转塔冲床 Aries



JETCAM 解决方案

艾里希公司于 2000 年用 JETCAM 软件取代了以前的编程软件，并且随着购买新机床增加了相应的后置处理器模块。艾里希公司采用 JETCAM 软件的主要原因：

- 多个编程软件互相不兼容；
- 以前所用软件操作繁琐，主要依靠手工方式进行排料；
- 板材利用率需要进一步提高。



用户评价

以下是艾里希公司总裁 Hermann Strathmann 先生对 JETCAM 软件的评价：

“操作简单，程序精确可靠。”

“材料利用率比以前平均提高了 15%。”

“JETCAM 是我们所比较的 5 种软件中操作最简单的。”

“CAD 文件导入之后快速的‘一键修复’功能 (SCAP 功能)，大大节省了编程时间。”

“JETCAM 支持所有品牌的机床，因此我们未来购买机床时无需考虑软件的兼容问题，并且能够节省很多投资。”

Case Study: Erich Uhe GmbH

At a glance:

- Replaced complex, Unix-based system with limited tooling and nesting which could not drive new machines well.
- JETCAM Expert was easier than four other systems benchmarked.
- User with no CAM experience learnt the system in one day.
- Dirty CAD files automatically healed, massively reducing import times.
- 15% improved material utilisation.
- All code generated by JETCAM Expert is accurate for all machines every time.
- New feature developed in 2 weeks.
- Were not limited to machine brand when buying a new machine.
- New functions received under maintenance give further benefits.
- Excellent phone, email and remote support.

Software: JETCAM Expert Premium MRP and Free-form nesting modules

Machines: Trumpf L3040 laser with Liftmaster Trumpf 600L punch/laser combination Amada Aries punch

Installed: 2000, with 3rd license and free-form nesting module in 2006

At a glance:

Erich Uhe GmbH (Uhe), based in Hemmingen, near Hannover, Germany is a solution provider offering general sheet metal subcontract services. Founded in 1932 with a staff of 40 people the company originally drove their Amada and Nissinbo punching machines using a Unix-based CAM system, which was complex to use, expensive to support, limited tooling capabilities and only manual nesting facilities.

In 2000, after the purchase of a Trumpf 600L, punch/laser combination machine they decided to replace their CAM system, which could not drive the more advanced features of the machine. They evaluated five systems after which they selected JETCAM Expert. Managing Director Hermann Strathmann explained: "Our main focus when looking at new systems was ease of use. I knew nothing of programming before this, but I was able to design a part within a few minutes. All the other systems we evaluated just appeared to be too complicated. All staff were able to learn the system with just one day of training."

After installation of two licenses of JETCAM Expert Premium in 2000 by local JETCAM distributor Blechwelt, the most noticeable improvement was the speed from design to NC code output. Programming times improved massively, with imported CAD files being 'healed' automatically, a much faster and easier CAD design facility and automatic tooling and nesting all playing a part to further accelerate the process. Said Hermann: "We literally just import a file, run automatic tooling, auto nesting and generate the NC code - it's that simple." Single Component Automatic Processing (SCAP) also allows for a nest of a single component to be generated in seconds.

In 2003 another machine was purchased alongside a new postprocessor for the two licenses. Further installation, configuration or training was not required, with all existing programs immediately available to run on either machine, with only a few seconds required to automatically 'retool' components for the new machine's configuration.

Uhe regularly receives new releases of