

应用案例—美国弗兰卡（Franke）公司

弗兰卡（Franke）公司简介

美国弗兰卡公司是全球著名的餐饮和厨房设备制造厂商，该公司每年的不锈钢消耗量大约 350 万美元（折合 2500 万人民币）。弗兰卡的钣金加工机床包括：

- 通快激光切割机 L3030 2 台
- 通快激光切割机 L3050 3 台
- 天田转塔冲床 Coma 1 台
- Finn-Power 转塔冲床 TP25 2 台



JETCAM 解决方案

弗兰卡公司于 1995 年开始使用 JETCAM 软件驱动 Finn-Power 转塔冲床，并且于近期开始驱动通快和天田机床。主要原因：

- 多个编程系统不兼容造成人工浪费
- 编程过程容易产生错误
- 板材利用率需要进一步提高



用户评价

以下是弗兰卡公司负责编程的工程师 Todd Branch 先生对 JETCAM 性能的评价：

“保守评估的结论是材料利用率提高了 5%，即每年材料节省的费用高达 17.5 万美元。”

“产品加工时间缩短了 15%，相当于每周节约了 1 天时间。”

“当综合考虑了编程时间的节省、产品加工时间的缩短、材料节省等因素，我们在 3 个月内就收回了软件最初的投资。”

“我们刚刚在中国广东工厂和波兰工厂各安装了 1 台通快激光切割机，通过加装后置处理器，JETCAM 能够立即为新机床提供编程和排料的支持。”

Case Study Franke Foodservice Systems

At a glance:

- One CAM system driving three different brands of machines in four countries.
- Saving several hours per week on tooling components for punch press.
- Profiling information now applied automatically to all profiled parts.
- Saving AT LEAST 5% on material.
- SCAP provides quick way to automatically batch process parts.
- Machine cycle time improved by 10%.
- Were able to write interface from in-house MRP to JETCAM's RCP in a few days.
- Made further savings through maintenance updates.
- Maintenance cost reduced by over 10%.
- Support requirement decreased by 25%.
- Excellent tech support with custom video training.
- System paid for itself in approx. 3 months.

Software: JETCAM Expert Premium with MRP, RCP and Free Form High Performance Nesting

Machines: 2 x Trumpf 3030 Lasers
3 x Trumpf 3050 Lasers
1 x Amada Coma Punch Press
2 x Finn-Power TP-25 Punch Press

Frankie Foodservice Systems, based in Levern, Tennessee, USA designs and manufactures stainless steel equipment for restaurants and for customers such as McDonalds in the food service industry. With a staff of over 1000 across facilities in the US, Philippines and Poland, Franke relied on both JETCAM supplied with their Finn-Power punch press) and another CAM system to drive a series of Trumpf lasers and an Amada Punch Press.

With a stainless steel material spend in the US plant in excess of \$3.5m and a desire to automate their production processes further they decided to investigate what options were available. Said Todd Branch, CNC Programmer: "We were already having problems with the other CAM system, which they had to customize heavily to meet their needs. Even the CAM vendor's technical support were lost when they needed to give us support. The system was also complex to use, with parts taking about 20 minutes each to load. Nesting efficiency was also quite poor."

The decision was made to standardize on JETCAM Expert and to purchase the Free Form High Performance nesting module across four licenses. Postprocessors for the Trumpf lasers were also purchased, along with JETCAM's Remote Control Processor (RCP) module so that JETCAM's materials and orders lists could be integrated with Franke's in-house MRP system.

No additional on-site training was needed. Said Todd: "I'd been trained on JETCAM Expert back in 1995 and provided training for staff, however the few times that we have needed advice or assistance the local distributor, WestONE has been excellent, even making tutorial videos on how to perform advanced functions specific to our needs. The system is very easy to learn, and in fact our overall support requirement has decreased by around 25%."

Frankie wrote an interface between their MRP and JETCAM whereby orders and material information were transferred over and then automatically processed using JETCAM's RCP. Todd: "The interface only took our technical staff less than a week to write. Now, once an order is loaded onto MRP parts are automatically nested and NC code is then almost immediately available for the operator."

After Franke switched off the other CAM system and relied only on

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