

## 应用案例—瑞士 Aepli 公司

### Aepli 公司简介

Aepli 公司是欧洲著名的建筑装饰钣金制造商，其产品包括电梯部件、楼梯、甚至整栋建筑的金属板材装饰部分。Aepli 公司于 1995 年购买了一台通快 TC500R 数控冲床，2001 年又引进一台通快激光切割机 L4030。2006 年，Aepli 公司将这两台机床出售，然后购买了通快的 L6050 磁悬浮驱动激光切割机和通快功能最先进、速度最快的数控冲床 TC5000R。



### JETCAM 解决方案

Aepli 公司自 1995 年开始使用数控冲床以来一直采用 JETCAM 软件来驱动所有的通快机床。软件配置包括：

- MRP 物料管理系统接口
- FFAN 自由套裁排料



### 用户评价

以下是生产部经理 Adolf Puentener 先生对 JETCAM 的评价：

“JETCAM 永远领先于时代,我们从未发现有任何其它软件在操作性能和快速编程方面超越 JETCAM。”

“JETCAM 支持通快机床全部功能，而且我发现，在很多方面 JETCAM 远远优于原厂软件。此外，JETCAM 还满足我们 ISO9000 的管理理念，例如产品修改控制。”

“如果我们需要，我们可以直接由外部的 DXF 文件全自动直接生成排料，没有其它软件可以做到这一点！”

“在 JETCAM 下，产品在不同机床之间可以瞬间进行转换。”

“采用 JETCAM 的软件，我们能够提高材料利用率并缩短机床的加工时间。所以，我们能够集中精力于市场开拓和公司的日常运行。”

**At a glance:**

- Total support for all advanced functions on both of Aepli's Trumpf CNC punch and laser machines
- Needs automatically generated through parametric programming of Excel files
- Customer can select jobs immediately between punching and laser technologies
- Parameters such as sheet thickness and/or material can be changed on the finished nest without reworking
- Total automatic processing from DXF to nest
- Open system allows for future integration into existing ERP systems for 3rd party products
- Software maintenance provided via telephone, email and remote support

**Case Study: Aepli & Co Metallbau**

**Software:** JETCAM Expert Premium with MRP, Rectangular Automatic and Free Form Nesting, Parametric Programming

**Machines:** Trumpf Trummic 6050  
Trumpf Trummic 15000

**Installed:** 1995

**At a glance:**

Aepli & Co Metallbau, based in Wattwil, has provided large scale sheet metal manufacturing for architecture for over 100 years, with projects including elevators, staircases and even entire building facades (such as Credit Suisse and the Technical University of Zurich). Aepli invested in a Trumpf 500R in the mid-1990's followed by a Trumpf L4030 laser cutter in 2001. The laser was exchanged for a L6050 in 2006, which allows components up to 25mm thickness to be cut. The 500R was replaced in 2007 with a 5000R CNC punch press.

Aepli has been a user of JETCAM Expert software since the purchase of the original 500R, with additional licenses and packages purchased over the years. They also purchased the rectangular and free form nesting modules, MRP support and parametric programming.

Mr. Adolf Puentener, Production Manager, said: "If we go back 20 years we were working with manual machines but today we are one of the top three Swiss metal structures companies. We really chose JETCAM because of its flexibility and total support for all of our machines' more advanced functions, but we quickly discovered that it had many more features. I can do changes to finished nests without the need to redo previous steps again. For example, I can switch between the laser and punch machines with one mouse click. I can change material and/or thickness and the nest is still immediately available. Furthermore, JETCAM fits perfectly into our ISO-9000 concept, because of features such as revision control."

After the replacement of the punch and laser machines in 2007 a material handling system was also implemented, storing over 150 different material types and sizes. Aepli wanted to add further automation for the generation of nests, with direct input of production data from the design department. This was initially performed by taking Excel spreadsheets containing just programming information and quantities, along with the corresponding DXF files, which were then parametrically inserted into JETCAM's databases.

Mr. Puentener added: "A key factor is the direct connection between the order department, design and job preparation. While the link from Excel to JETCAM is working very well we may automate it further by integrating our MRP directly to the CAM system. The open nature of JETCAM allows us to plan ahead this way."

To benefit from further developments Aepli has taken out a maintenance contract with local JETCAM reseller, Blochweg.

Mr. Puentener: "The service is exactly what we need. Fast, competent and friendly - on the phone, via remote control or personally. As we receive new versions of the software we continue to make savings in machining time and material utilization. We can therefore concentrate on our daily business and extend our market position."

Mr. Puentener concluded: "JETCAM has always been and still is ahead of its time. The ease of use and the direct fast programming is still unbeaten by any competitive system we have seen."

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