

# TurboNest® and teamwork at C.U.B. BVBA Belgium

## Technical brief

### Company profile

IZEGEM, BELGIUM – **C.U.B. BVBA** ([www.cub.be](http://www.cub.be)) is a constructor and repairer of buckets, demolition grabs, screener crushers, limedosing-installations, crushers, compaction wheels, and counter blades. The company is owned by Jean-Paul Commeene and is located in Izegem, Belgium. Products are manufactured for both OEM and aftermarket requirements.

### Cutting machine retrofit causes problems

A CNC control retrofit was completed on the company's dependable and long-lasting gas cutting machine. This machine is a central part of the production operation at the company and is used non-stop on a daily basis to feed the production operation which includes CNC machining, drilling and welding.

The CNC control retrofit project took longer than initially planned, and by the time the work was complete Jean-Paul was anxious to get production flowing again. Not the type of person to be satisfied with completing a project only 99%, Jean-Paul began to think ahead to how he was going to use his revitalized machine to full advantage. After some internet research he determined two things; first he needed to improve his nesting software to create improved part programs for his machine, and second, he needed to then get the part program loaded to the CNC control.

### Connecting people and machines

After some further research, Jean-Paul identified TurboNest nesting software. Within hours of submitting a software trial request via the web Jean-Paul had been contacted by a local software sales manager to discuss his needs. After gathering the requirements and understanding the urgency of the situation Jean-Paul was immediately connected with a local software channel partner

to assist with the project. The partner, Bernard Verhelst of Vandenbulcke NV, made an immediate visit to C.U.B. the next day to meet with Jean-Paul." Bernard demonstrated the appropriate nesting solution; TurboNest, and also discussed a solution for sending CNC files to the CNC control via DNC communications. Before leaving Bernard installed a fully functional working trial of TurboNest on C.U.B.'s PC and provided some basic instruction so that Jean-Paul could become familiar with TurboNest.

Within the next couple of days Bernard installed the DNC communications solution and Jean-Paul began using the nests he had programmed with TurboNest and its automatic nesting module. The results offered highly optimized nests for both single and multi-torch cutting, helping to save material and time from fewer torch spacing changes.



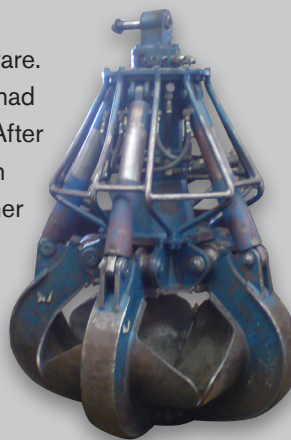
Photos courtesy of CUB BVBA

### Did you know . . .

*TurboNest can provide one nesting program that will work with most conventional plasma and oxyfuel cutting machines and CNC controls; new and old alike.*

### Interesting facts . . .

- ▶ Our associates understand the cutting processes you work with.
- ▶ Our auto-nesting saves time and material, typically outperforming attempts to manually nest the same job.
- ▶ Our TurboNest software works seamlessly with all leading brands of machines, including Messer, Esab, Koike, and many others.
- ▶ Our products are so easy to learn we can install the software and train a new customer online, the same day.
- ▶ Our nesting software products are part of Hypertherm's Integrated Cutting Solutions.



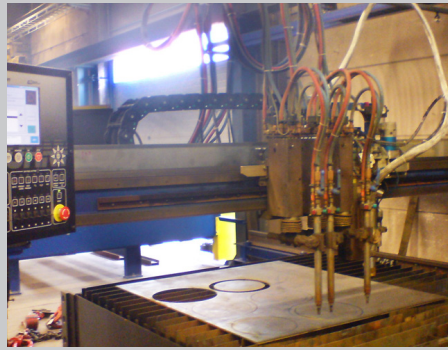
## The power of teamwork

Overall, the results at C.U.B. were the result of teamwork and strong partnerships. Commenting on his experience, Jean-Paul Commeene said "I was really getting behind with production due to the retrofit delay and decided to take the rest of the project into my own hands by searching for a new programming and DNC communications solution. When I made the TurboNest trial request I never imagined that it would lead me directly to a local expert who not only represents Hypertherm products but also is incredibly knowledgeable in CNC machinery repair, installation, and service. It was totally a one-stop-shopping experience for me, and very convenient. I have also established what I know will be longstanding business relationships with both Hypertherm and Vandenbulcke."

Since the completion of the project Jean-Paul has used his improved cutting system daily and continues with his quest to revolutionize the world of buckets and attachments for the heavy equipment industry.

*Jean-Paul Commeene*

*Owner*



## TurboNest<sup>®</sup> advantage

TurboNest is used to support both conventional plasma and oxyfuel CNC cutting processes. Using TurboNest as a single programming solution means you do not have to sacrifice software features to achieve the best productivity and quality. Here are just a few examples of the benefits you can achieve when using TurboNest with conventional plasma and oxyfuel cutting processes:

### Plasma

- Use productivity tools including Chain Cutting, Common-Line Cutting, and Bridge Cutting to improve part quality, reduce production time, and save material.

### Oxyfuel

- Use multi-torch programming to create efficient nests that optimize material utilization, while also reducing torch changes.
- Use the available process parameter tables to select separation values between parts and the plate edge for different materials and thicknesses, helping to avoid over-burn and scrap parts.
- Use edge-piercing to reduce the time taken separating parts located close to the perimeter of the nest

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## For more information

Learn how Hypertherm TurboNest software can help your company improve productivity and part quality, without operator intervention. Please contact one of our team or your trusted Hypertherm software partner, or visit **[www.hyperthermCAM.com](http://www.hyperthermCAM.com)**.

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***Hypertherm<sup>®</sup>***  
***Cut with confidence<sup>®</sup>***

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