



TurboNest and Teamwork at C.U.B. BVBA Belgium

Company Profile

IZEGEM, BELGIUM—**C.U.B. BVBA** (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

Recently 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 the 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 knew two things; first he needed to improve his nesting software solution to create improved part programs for his machine, and second, he needed to then get the part program loaded to the CNC control.



Photos courtesy of CUB BVBA

Connecting People and Machines

After some further research, Jean-Paul identified **MTC Software** as a supplier of nesting software solutions. Within hours of sending an inquiry to MTC Software via their website Jean-Paul had been contacted by a local sales manager from MTC's Germany office to discuss his requirements. After gathering the requirements and understanding the urgency of the situation MTC Software immediately contacted one of their many European distribution partners to help with the project. MTC's partner, **Bernard Verhelst of Vandenbulcke NV** made an immediate visit to C.U.B the next day to meet with Jean-Paul.

CUB BVBA continued

Did You Know . . .

MTC Software can provide one nesting program that will work with most cutting machines and CNC controls; new and old alike.

Interesting Facts . . .

- ▶ *Our employees 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 that we can install the software and train a new customer online, the same day*

TECHNICAL BRIEF

CUB BVBA continued

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 **Advanced True Shape** 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.

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 contacted MTC Software I never imagined that it would lead me directly to a local expert who not only represents MTC's 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 **MTC Software** 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

For More Information

Learn about MTC Software programming solutions that can help your company improve productivity and part quality, plus increase profitability.

Visit our website at www.mtc-software.com or call your local office.



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TurboNest[®] 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 any software features to achieve the best productivity and quality. In fact, we often hear from our customers that TurboNest is not only easier to learn and use than OEM-developed programming software but also that it offers a richer, more comprehensive featureset. Here are just a few examples of the benefits you can achieve when using TurboNest with conventional plasma and oxyfuel cutting processes:

PLASMA

- Use Advanced True Shape Nesting to achieve highly optimized nests, save material and improve profitability
- 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