VOORTMAN V303
PERFECT SYNERGY BETWEEN MACHINE AND WORKSHOP

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DISCOVER ALL THE FEATURES OF THE V303 ONLINE

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The Voortman V303 plate cutting machine is equipped with VACAM control software. The machine is controlled by the software, which automates the production process: a time-saving and more efficient way of working for the operator. Focus on loading and unloading the plates and products is guiding. Keeping the machine environment clean gets continuity as the operator is relieved of operating the machine. Another operator can easily take over the work. The transfer takes place at the machine's operator panel.

THE SOFTWARE THAT CONTROLS THE V303 PLATE CUTTING MACHINE IS VACAM CONTROL SOFTWARE:

- Instructing the machine to produce a workpiece.
- Scheduling nestings.
- Clustering nestings.
- Starting automatic production.
- Providing information and getting feedback.
- No additional licence fees.
- All machine functionalities are included.

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INTERACTION WITH YOUR MACHINE

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The VACAM control software has been expanded with some groundbreaking functionalities.

MAXIMUM UP-TIME WITH BUFFER MANAGEMENT

VACAM BUFFER FEATURE:

- Scheduling and loading the buffer list for plates.
- Performing production tasks sequentially.

VACAM BUFFER OVERVIEW:

- View scheduled orders at a glance.
- Simple zero point determination.
- Overview of required tools.
- Simple plate zone selection.

ONLY BE THERE WHEN NEEDED

VACAM DASHBOARD:

- Plasma or oxy-fuel cutting time per process.
- Number of operations to be performed.
- Remaining production time.
- Digital planner for time registration of manual operations.

STRAIGHTFORWARD SCHEDULING OF PRODUCTION ORDERS

WITHOUT PAPERWORK

VACAM SCHEDULING OVERVIEW:

Overview at a glance of:

- Scheduling and insight into production times.
- Which jobs need to be cut and when.
- Insight into production times, amperes, material thicknesses and tools per nesting.

VACAM SEQUENCING

- In a visual presentation, the software shows the overlap between nestings, amperes, material thickness and required tools.
- Select and cluster tasks efficiently and aim for the best possible sequence of unmanned production.
- Insight into wear of cutting parts and indication of when the cutting parts need to be replaced.

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THE HIGHEST POSSIBLE QUALITY WITHOUT MANUAL INTERVENTION

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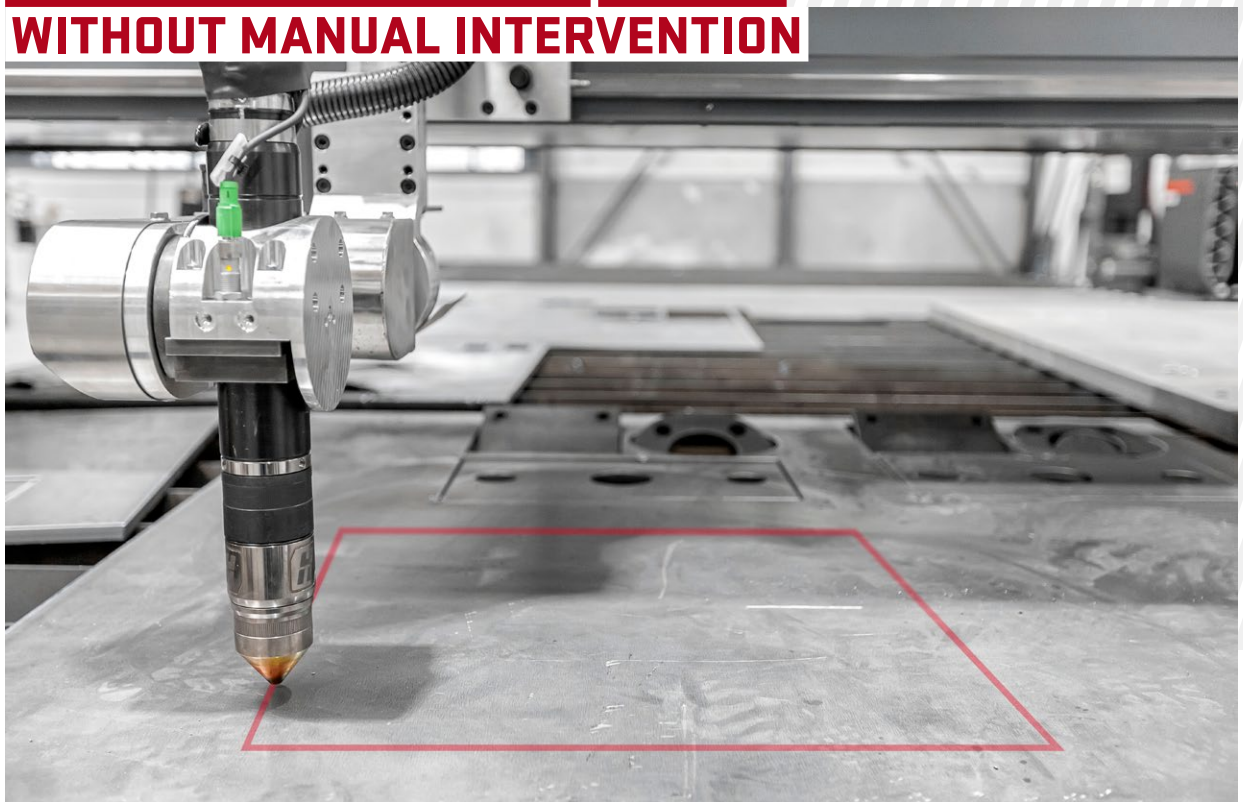

With the new 'Xtensive Bevel Cutting technology', cutting complex bevel cuts is fully automated and requires no manual correction or comprehensive pre-sampling.

TAKE QUALITY A STEP FURTHER

Voortman Xtended Hole Performance is an additional optimisation step to instantly create smaller contours of high quality, such as slotted holes and rectangular holes. Driven by Hypertherm's well-known True-Hole Technology, Voortman took it a step further and created the perfect match between the software and the mechanical components.

LEAVE BEVEL CORRECTIONS TO US

With the new Xtensive Bevel Technology, you can take care of bevel cutting without pre-cut sample products or calibrations.

- VACAM control software has all the full bevel geometries and corresponding corrections, based on torch dimension, angles and asymmetry.
- A unique feature is that when plate dimensions are incorrect, the values can be adjusted and corrected, even after the programming phase. The same nesting can be resumed without requiring reprogramming.

PERFECTLY SYNCHRONISED MOVEMENTS

The VACAM software can control 9 axes simultaneously. Precise and synchronised movements ensure the most advanced cuts, which the V303 performs with ease. Flexibility prevails, giving you optimal control over cutting heights and cutting positions. The helical rack and pinion transmission ensures both X and Y movements. The helical teeth of the gears give the machine positional accuracy and smoother movement.

CONSISTENT QUALITY WITH TRUEVOLT

So as to guarantee optimum cutting quality and the highest service life of wear parts, the nozzle is at a fixed height in relation to the plate. TrueVolt technology measures arc voltage and corrects for wear parts based on real-time wear. The distance to the plate remains intact. The cutting process is not affected by wear and tear on consumables. Cutting results are optimized and consumables last longer.

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MAKING THINGS EASY FOR YOUR WORKSHOP MANAGERS

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Work around or on the plate processing machine is made as easy as possible. The V303 was designed with the premise of making things easy for every operator.

EASY ACCESS HEIGHT

The step height of the X-rail is almost equal to a step, which makes loading and unloading a lot easier.

REDESIGNED CUTTING TABLE

The cutting table is more accessible, making cleaning much easier.

- Easy-to-lift cleaning trays.
- Mounting parts located outside the cutting section provide up to 30% reduction in cleaning time.
- Automatic removal of slag and small products by means of a conveyor belt under the table bins. Eliminates cleaning time and risk of small workpieces being covered by slag formation. Workpiece quality is increased.

PRECISE CUTTING HEIGHT

Synchronised and precise drive with helical gearing. Enables dynamic, simultaneous use of all axes for cutting movements. Responds quickly, smoothly and accurately, even for the heaviest products.

- Equipped with automated height control.
- Full control of the cutting height ensures optimum cutting quality and saves more than €1,500 annually.

PROTECTED CABLES

Slag can be blown around the machine when material is fed in. Risk of fire is minimised, as all cables are fully protected with a cover. Unwanted downtime is prevented.

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MAXIMUM UP-TIME AND CAPACITY

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MAXIMUM UP-TIME AND CAPACITY

YOU HAVE COMPLETE CONTROL

- Support and streamline manual operations.
- Shortest possible downtime with little or no influence on cutting process and product quality.
- Minimize downtime with 24-hour customer service.
- All plate processing machines use the same X-rail. This allows you to combine different processes or run two bridges simultaneously.

REDUCE CUT-TO-CUT TIME

Voortman's Instant Cut Technology reduces the cut-to-cut time. Especially when production is made up of small products and holes, considerable time savings are achieved.

- The technique ensures optimal movement at all times when the torch moves from one cut to another.

MAGNETIC MOUNTING

The magnetic mounting contains two perfectly attuned drives and influences the speed of the production process. Independent of any form of tolerances and without the need for calibration. In case of a collision, your operator can remount the torch with the magnetic system and get the machine up and running again quickly.

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INCREASE FLEXIBILITY WITH OUR VOORTMAN PIPE CUTTING UNIT

Unparalleled cutting with our NEW Voortman Pipe Cutting Unit. Easy to integrate and add to your existing or new V303, V310 or V304 plate processing machine. The unit fits into the working environment of the plate processing machine.
You operate the pipe cutting machine from your familiar operator panel. The Voortman Pipe Cutting Unit is the only one in the industry that allows you to cut tubes of the same quality you are used to from our plate processing machines. Our TrueVolt technology is combined with a predictive model based on the complete cut. This makes it the best cutting quality currently available and reduces your costs and consumables at the same time! A small investment for a significant reduction in welding and grinding. ▸ VIEW THE WEBPAGE

SPECIFICATIONS

VOORTMAN V303				
Working width	1,5 - 3*	meter	6 - 10*	feet
Working length	3,0 - 30*	meter	10 - 100*	feet
Cutting speed	0 - 7.000	mm/min	0 - 23	f/min
Rapid traverse speed	20.000	mm/min	65	f/min
Max. cutting thickness	3 - 200	mm	1/8 - 8	inch
Max. number of plasma (bevel) torches	2			
Max. number of oxy-fuel units	2			

**Wider width and longer lengths available on request*

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