

Smaller footprint, faster processing speed while maintaining superior cut quality. Equipped with new features, the Voortman V808 still can do it all, but now even faster. The Voortman V808 is the market leading and most versatile robotic thermal cutting machine with 8 axes. Because of Voortman's constant Research and Development it stays far ahead of alternative machines.

#### FIVE MACHINES INTEGRATED IN ONE

The extreme flexibility of the robot in combination with the machine structure enables the Voortman V808 to cut every structural shape possible and process all four sides of material in a single pass. Cutting and layout marking on only three sides of material requires skilled personnel to still measure and cut the fourth side of the piece manually. The Voortman V808 is the innovator of four sided cutting and layout with a single robotic arm. Such innovation and technology drives reduced cost and production time to the end user increasing the bottom line.

The Voortman V808 robotic thermal cutting machine allows for enormous freedom to design and produce structures with the most complex connections and copes with a significant increase in production output. This machine can do the same operations, depending on requirements, as the following machines: beam sawing machine, beam drilling machine, flat and angle punching and shearing machine, beam marking machine, plate cutting and drilling machine.

### THREE UPDATES THAT STAND OUT ON THE VOORTMAN V808

#### New Lighter Robot

The new Voortman V808 is equipped with the new versatile Panasonic TL1800G3 coping robot. The Voortman design has two additional overhead axes in addition to the six of the Panasonic robot itself to give the machine flexibility and a reach not matched by others. This new robot is lighter and has higher accuracy and stability for faster positioning and higher cutting quality.

Also the chassis of the new Voortman V808 has been redesigned. The robot is no longer mounted in the rear of the cabin but at the front, this revision saves 760 mm (30") on the overall width of the machine. The top beam where the robot is mounted is even more rigid than before to eliminate movement with the new high speed positioning capability.

#### High Definition Plasma Cutting or Oxy-fuel Cutting

The Voortman V808 now also offers advanced integration with High Definition plasma cutting. Voortman further optimized the existing High Definition plasma cutting technologies drastically. Holes cut with the optimized High Definition plasma cutting (thickness versus diameter 1:1 or less) comply with taper tolerances as defined in the EN 1090-2 and AISC (M 2.5). For oxy-fuel cutting Voortman added proportional valves for automatic setting of pressures to eliminate manual intervention.

#### More Powerful Measuring and Clamping System

The Voortman V808 is equipped with a new roller feed measuring and a revised clamping system. This fully automatic measuring roller feed system is still the fastest positioning system as it does not require a pusher or gripper to return home before loading the next piece saving hours each week. Voortman also upgraded the positioning weight from 13.200kg/29.100lbs to a maximum of 15.000kg/33.000lbs which makes the new measuring and clamping system more flexible and powerful.

#### OTHER ADVANTAGES

##### Voortman Flexibility and Automation

Voortman now produces one Voortman V808 every 9 days so expedited delivery can be achieved. This robotic thermal cutting machine can be installed as a standalone system or also as part of a fully automated line. Voortman can also add the Voortman V808 into an existing system and integrate mechanically, electrically and from a software position to make this the most flexible and adaptable machine available today.

CNC Download and No Annual License Fees  
The Voortman VACAM operating software accepts NC1 (DSTV files) for all 3D detailing packages including Bocad, SDS/2 and Tekla. Also VACAM is interfaced with all major ERP/ MRP packages such as Fabsuite, Fabtrol and Strumis. Voortman does not require annual license fees for software and support this is a huge cost saving over the lifetime of the machine.

# VOORTMAN V808

robotic thermal cutting machine with 8 axes