



FREEDOM TO CREATE

WE REVOLUTIONIZE THE WORLD OF STEEL

[HGG-GROUP.COM](https://www.hgg-group.com)

FREEDOM TO GROW

We revolutionize the world of steel! Our strength originates from the unique synergy between our two business entities; one part of the company focuses on developing and producing 3D profiling machines, while the other part performs 3D profiling services.

CUTTING MACHINES

We focus on developing and producing customized 3D profiling machines for your specific demands.

With our machines you get highly accurate cut results with weld preparation.

Automate your cutting process

CUTTING SERVICES

We perform 3D profiling services with our in-house built machines. You benefit from our 3D profiling specialists' technological expertise.

We can get your parts ready for fast and easy fitting and welding.

Let us do the cutting



SPC 500– 1200 PT

PIPE PROFILING; VERSATILE ACCURACY

The highly accurate SPC 500–1200 PT is our versatile pipe cutting machine designed to handle a wide range of materials, sizes, and wall thicknesses. Perfect for any application, this machine offers numerous customization options to meet your specific needs and requirements.

- ➔ MINIMIZE WASTE WITH LONG- AND ZERO SCRAP JAWS
- ➔ KEEP OPERATORS SAFE WITH OUR 3-POINT FUME EXTRACTION SYSTEM
- ➔ AUTOMATED PIERCE ASSIST TO EXTEND CONSUMABLE LIFESPAN



'DOUBLED PRODUCTION CAPACITY'



"WE REDUCED MANUAL WORK BY 50%
WITH THE HGG MACHINE BECAUSE
THE CUTTING QUALITY IS SO GOOD
THERE IS NO NEED TO CHECK FOR
ERRORS."



Oh Sang-tae
Sedong Precision Co. Ltd

SPECIFICATIONS

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➔ SPC 500 PT	48-510 mm [2"-20"]	8 t / 17636 lbs
➔ SPC 600 PT	48-610 mm [2"-24"]	8 t / 17636 lbs
➔ SPC 800 PT	48-815 mm [2"-32"]	8 t / 17636 lbs
➔ SPC 1000 PT	48-1020 mm [2"-40"]	8-12 t / 17636-26455 lbs
➔ SPC 1200 PT	48-1225 mm [2"-48"]	8-12 t / 17636-26455 lbs



SPC 1500-4000 PT

CNC PIPE CUTTING MACHINE FOR VESSELS AND OFFSHORE

Built to handle large pipe diameters and heavy weights, the SPC 1500 – 4000 PT is your ultimate heavy-duty solution. Every aspect of this machine is designed to guarantee extreme tolerances during cutting. It processes pipes with either plasma or oxy-fuel, up to 4000 mm (160") in diameter, and accommodates a wide range of part lengths and profiling shapes. This allows you to cut extreme wall thicknesses with a cutting angle of up to 70 degrees.

- ➞ LARGE DIAMETER RANGE WITH WEIGHT CAPACITY UP TO 60 TONS
- ➞ FULLY CUSTOMIZABLE TO YOUR NEEDS
- ➞ CUT EXTREME THICKNESSES UP TO 70 DEGREES CUTTING ANGLE



'CUTTING TEN TIMES FASTER'



"WITH THE IMPLEMENTATION OF THE HGG MACHINES WE ARE ABLE TO COPE WITH THE PLASMA WHICH IS SIGNIFICANTLY FASTER AND WAY MORE PRODUCTIVE"



David Power
Facility manager

SPECIFICATIONS

		
➔ SPC 1500 PT	100-1525 mm [4"-60"]	12-30 t / 26455-66138 lbs
➔ SPC 2000 PT	100-2035 mm [4"-80"]	18-30 t / 39683-66138 lbs
➔ SPC 2500 PT	200-2500 mm [8"-98"]	30-40 t / 66138-88184 lbs
➔ SPC 3000 PT	300-3000 mm [12"-118"]	30-60 t / 66138-132277 lbs



SPC 1500- 4000 VC

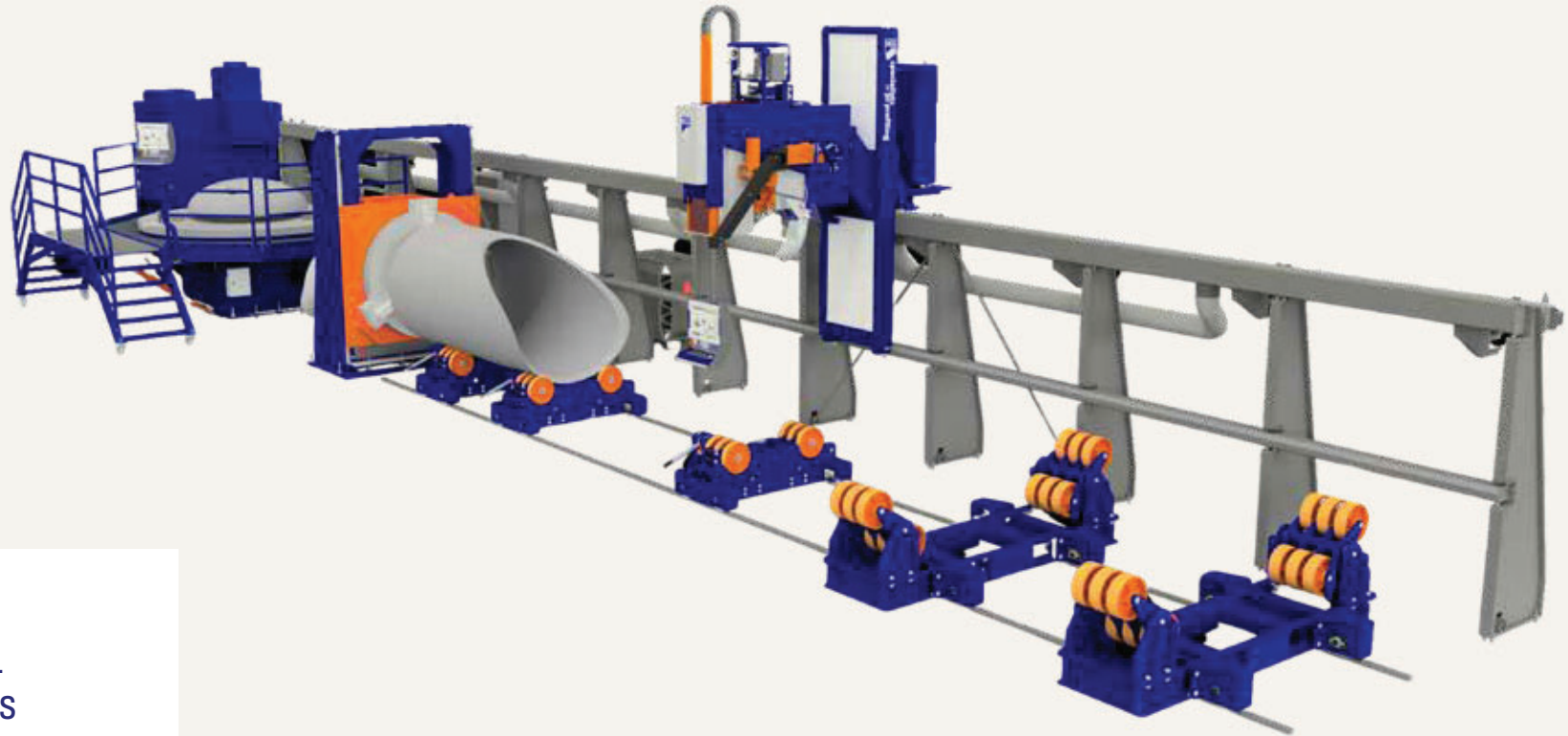
CUT A COMPLETE VESSEL ON ONE MACHINE

The SPC 1500 – 4000 VC pipe and vessel cutting machine is the perfect solution for pressure vessel manufacturers. This versatile machine can cut an entire vessel, including weld preparation, all in one go, saving you time on your layout, cutting, fitting, and welding. Ideal for pressure vessel manufacturing, the SPC 1500 – 4000 VC can handle vessel heads, shells, nozzles, reinforcement pads, and hillside holes, all with bevels for weld preparation, making it the complete solution for your needs.

- ➞ CUT A COMPLETE VESSEL ON ONE SINGLE MACHINE
- ➞ NO MORE LAY-OUT, INCREASING THROUGHPUT SIGNIFICANTLY
- ➞ GRINDING BELONGS TO THE PAST; HILLSIDE HOLES, X-BEVELS AND REINFORCEMENT PADS ARE NO LONGER A PROBLEM



'AUTOMATED VESSEL HEAD CUTTING MADE POSSIBLE'



"A LARGE VESSEL
USED TO TAKE US
40-50 HOURS TO
CUT. NOW WE CAN
CUT IT IN LESS
THAN 4 HOURS!"



Kurt Schaerer
Enerflex

SPECIFICATIONS

			
➔ SPC 1500 VHC	100-1525 mm [4"-60"]	600-1500 mm [24"-60"]	12-18 t / 26455-39683 lbs
➔ SPC 2000 VHC	100-2035 mm [4"-80"]	600-2000 mm [24"-80"]	18-30 t / 39683-66138 lbs
➔ SPC 2500 VHC	200-2500 mm [8"-98"]	600-2500 mm [24"-98"]	30-40 t / 66138-88184 lbs
➔ SPC 3000 VHC	200-3000 mm [8"-118"]	600-3000 mm [24"-118"]	30-60 t / 66138-132277 lbs

Maximum vessel head weight = 15 t / 33069 lbs



CUT A VESSEL IN LESS THAN 4 HOURS

‘WITH THE HGG MACHINE WE HAVE
A PERFECT CUT EVERY TIME. NOW
THE WELDERS CAN DO WHAT THEY
ARE GOOD AT: WELDING!’



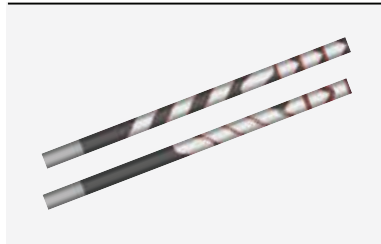
**‘BEING PART OF AN
ARCHITECTURAL
MASTERPIECE BY
CUTTING THE MOST
COMPLEX CONNECTIONS
MAKES ME PROUD’**

Senad Zilic | Machine Operator at HGG



SOFTWARE SOLUTIONS

OPTIMIZED NESTING



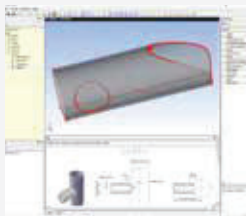
Reduce scrap to a minimum!
Ensure optimal, cost-efficient placement of parts in the available raw materials by reducing waste. Including many useful features for subdividing production processes.

STEP IMPORT



Freedom to cut any shape! Import STEP files from a solid model and let our software take care of the weld preparations. STEP import gives you the freedom to create anything!

3D VIEWER



Improve your detailing software!
Experience the advantages of easy single part programming, 3D viewer and part measuring tool and manage your Key Performance Indicators.

SEAMLESS CAD MODEL INTEGRATION



Import all cutting data directly!
We have a seamless integration with most CAD systems, allowing you to import all cutting data directly from your CAD model, saving 80% work preparation time!

NEW CUTTING SHAPES



Reduce costs with weld volume reduction macros! Enter new markets with additional cutting shapes or reduce cutting time by intelligent cutting routines

INTUITIVE USER INTERFACE



Maximize machine up-time with machine diagnostics! HGG's in-house developed UPC software is a self-explanatory interface, using icons to reduce operator training time.

CUTTING TECHNIQUES

'HGG SUPPORTS BOTH KJELLBERG AND HYPERTHERM, TWO WELL EXPERIENCED AND INDUSTRY LEADING CHOICES'

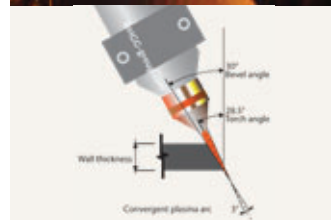


OXY-FUEL CUTTING

Oxy-fuel cutting is a reliable, accurate and competitive cutting technique used for the cutting of mild steel. Only metals whose oxides have a lower melting point than the base metal itself can be cut with this process.

Oxy-fuel allows:

- Cutting of thicker walled material up to 300 mm
- Cutting of steeper angles up to 70° (as compared to 45° with plasma) because of the torch.



PLASMA CUTTING

Plasma cutting is a high speed cutting technology developed to cut electrically conductive materials. Plasma cutting can be used on any electrically conductive material. Materials such as stainless steel, can only be cut by plasma cutting because no oxidization occurs prohibiting the use of oxy-fuel cutting. In the wall thickness range up to 25 mm, plasma cutting outperforms oxy-fuel cutting.

Plasma allows:

- High cutting speeds
- Cutting of exotic materials
- Cutting without need of pre-heating

MARKING OPTIONS

Marking is used to identify the parts, the distance and orientation between them and the interconnections. Our 3D profiling machines can be equipped with several marking options.

TEXT REFERENCE MARKING



The unique ID name used in CAD drawings can be printed on the parts. If required, additional information can be added such as project title, job number etc.

REFERENCE LINES



These lines on the profile help orientate, position, measure or weld the different parts of a construction.

BEND LINE MARKING



To ensure that profiles are bent correctly, you can choose to add inverted bend lines to the cut profiles. These lines are curved when printed and should be straight after bending.

INKJET MARKING



Inkjet marking is a non-permanent marking technique and has no influence on the material characteristics of the profile. Ink is used to record plotted markings on the profile. These markings will not be visible after blasting or painting.

(RE)MARKING HEAT NUMBERS



HGG is certified to do re-marking of material heat numbers. After cutting your material, our operator duplicates the material heat number to every cut part by re-marking for efficient quality control.

PUNCH MARKING



A pneumatically operated low-stress needle 'punches' the marking into the material with a constant, pre-set pressure. As a result, the markings remain permanently on the material.

PLASMA MARKING



Semi-permanent marking option supplied through the plasma cutting torch. Anywhere you need to create temporary or permanent marks, ideal for layout and text markings.



ABOUT HGG

In 1984, in a small town just north of Amsterdam, a steel construction company faced the same challenge many fabricators still encounter today: cutting pipes by hand was slow, inconsistent, and limited creative possibilities.

Rather than accept the status quo, the team set out on an ambitious mission—to build the world's first automated pipe profiling machine. It was a bold step, born from craftsmanship and driven by vision. That decision didn't just transform their own production; it reshaped the future of steel fabrication.

Fast forward 40 years: what started as a workshop challenge has grown into HGG International B.V., a global leader in 3D profiling solutions. From pioneering pipe profiling machines to advanced cutting technologies for complex steel structures, we've empowered fabricators around the world to work faster, smarter, and with true design freedom.

WHAT KEEPS US INSPIRED

As we celebrate four decades of innovation, our commitment remains the same: We revolutionize the world of steel.

**PROCESSING 2000
TONS OF STEEL
EACH MONTH**

**> 1100
MACHINES
INSTALLED**

**170
EMPLOYEES
WORLDWIDE**



The background image shows a large, modern industrial building with a curved roof and a mix of yellow, orange, and grey panels. A large white steel arch structure is positioned in front of the building, extending over a body of water. The building has several windows and a sign that partially reads 'specialists in profiling'. The water in the foreground reflects the building and the sky.

**CUSTOMERS
IN OVER 69
COUNTRIES**

**100
MACHINES
PER YEAR**

**3D PROFILING
EXPERIENCE
SINCE 1984**



**YOU WILL
FIND OUR
300+ ROBOTS
ALL OVER
THE WORLD**

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