



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



PROCUTTER 600 - 900

CNC PIPE CUTTING WITHIN REACH

The ProCutter CNC pipe cutter incorporates all of HGG’s advanced technology and expertise. Operational excellence is applied to keep costs low. Pipes up to 910 mm (36”) in diameter can be processed with a wide range of part lengths and profiling shapes. The ProCutter is available with oxy-fuel, plasma, marking and CAD-CAM interfaces.

- ➔ MOST AFFORDABLE PIPE CUTTING MACHINE
- ➔ SMALL FOOTPRINT
- ➔ UP TO 12 TIMES FASTER THAN MANUAL CUTTING, INCLUDING WELD PREPARATION



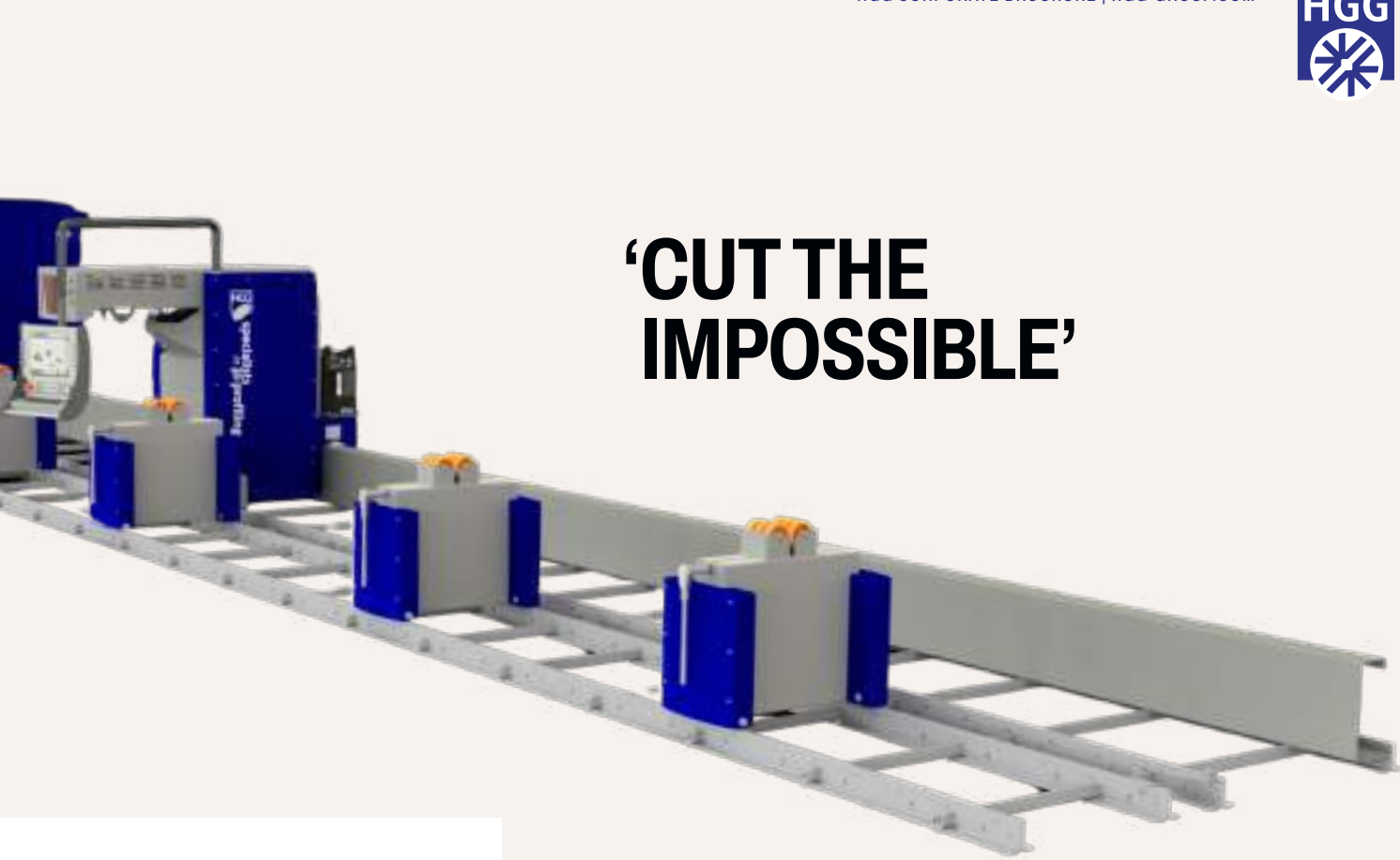
“OUR CAPACITY AND PRODUCTION WOULD BE SEVERELY REDUCED WITHOUT HAVING THIS MACHINE. IT’S LITERALLY THE DRUMBEAT OF THE OPERATION.”



Tyler Glaze
Sealevel production



‘CUT THE IMPOSSIBLE’



SPECIFICATIONS

➔ ProCutter 600	48-610 mm [2"-24"]	3 t / 6613 lbs
➔ ProCutter 900	48-910 mm [2"-36"]	4 t / 8818 lbs



PROCUTTER 900 RB

SMALL FOOTPRINT AND STREAMLINED PRODUCTIVITY

Built for heavy-duty work, the ProCutter 900 RB profiling machine integrates HGG's cutting-edge technology for exceptional results at an affordable price. The machine incorporates a roller bed to easily transport your pipe straight to the main drive. Whether you load your pipes outside or inside, the ProCutter 900 RB has got you covered. The hydraulic sideways offload offers you the option to store your parts for you to offload them when you are ready.

- ➞ PRODUCTIVE PIPE CUTTING WITH A SMALL FOOTPRINT
- ➞ HIGH PRECISION CUTTING WITH PANTOGRAPH CUTTING ARM
- ➞ OUTFEED WITH HYDRAULIC SIDEWAYS OFF-LOADING SYSTEM



WATCH THE
PC900RB
WALKTHROUGH
VIDEO



‘MAXIMIZE PRODUCTION WITH A STREAMLINED WORKFLOW’

“GROWTH REQUIRES CHANGE, AND
THE HGG MACHINE IS A REALLY
BIG PART OF THAT JOURNEY.”



Kim Basset
CEO and Chairwoman
of the Board

SPECIFICATIONS

➞ ProCutter 900 RB	48-914 mm [2"-36"]	5 t / 11023 lbs
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FABRICATING THE 1,700 TON LONDON EYE

‘WE NEEDED VERY STRONG
WELDED PIPE TO PIPE
CONNECTIONS TO ENDURE
INTENSE DYNAMIC LOADS’





SPC 500-1200 PT

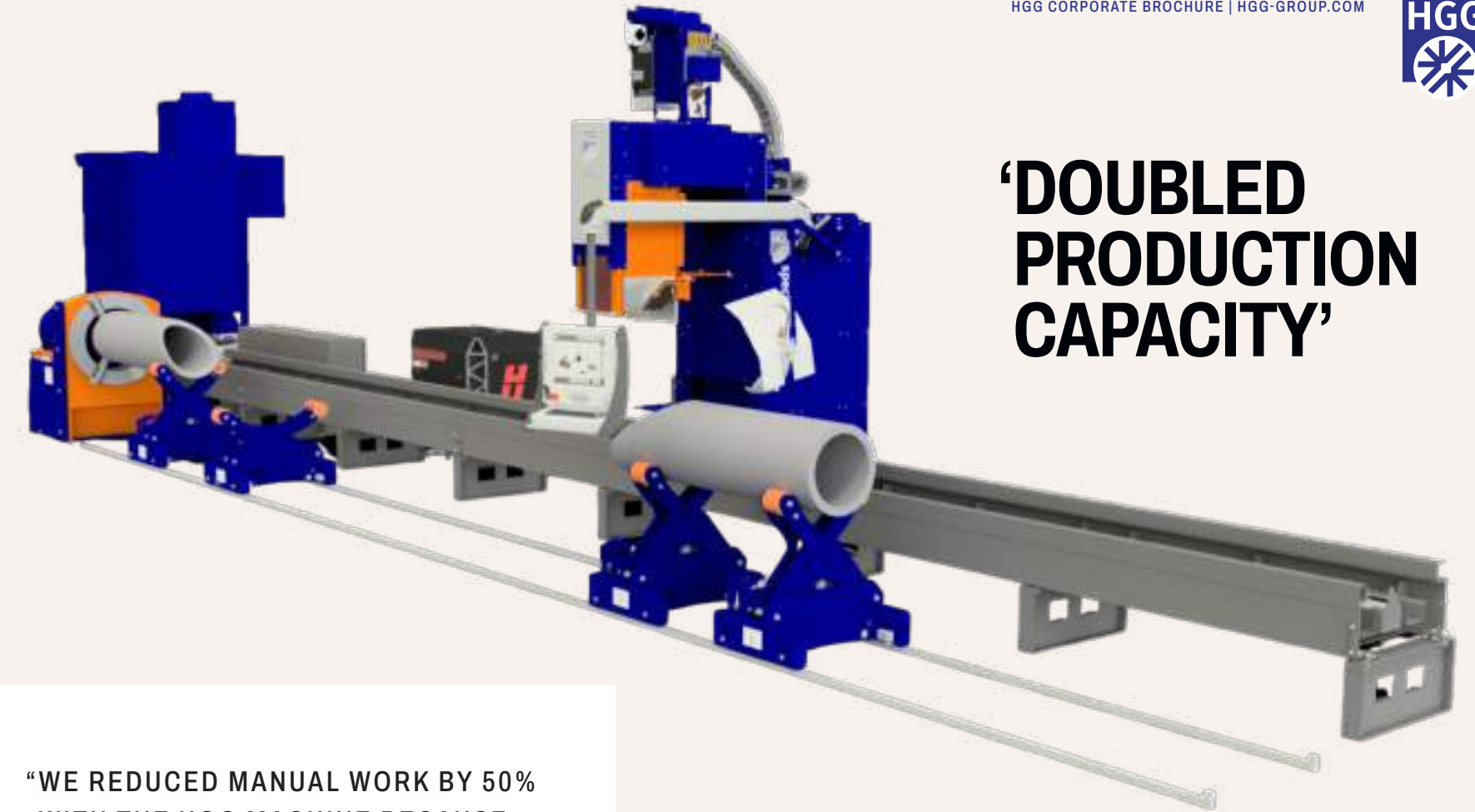
PIPE PROFILING; VERSATILE ACCURACY

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

	○	🛒
➔ 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 660-2000 RB

COMBINE THE BEST OF BOTH WORLDS

The SPC 660-2000 chuck-type pipe cutting line combines the roller bed principle for an uninterrupted material flow, while controlling the rotation of the material with a floating chuck registering linear displacement. Pipes up to 1225 mm (48") in diameter can be processed with a wide range of part lengths and profiling shapes. With its adjustable characteristics, the SPC RB is fully customized to fit your requirements.

- ➔ THE BEST OF BOTH WORLDS; CHUCK DRIVEN WITH ROLLER BED FOR EXTREME ACCURACY
- ➔ ADVANCED LOGISTIC SYSTEM FOR MAXIMUM THROUGHPUT
- ➔ MINIMIZED USE OF OVERHEAD CRANE



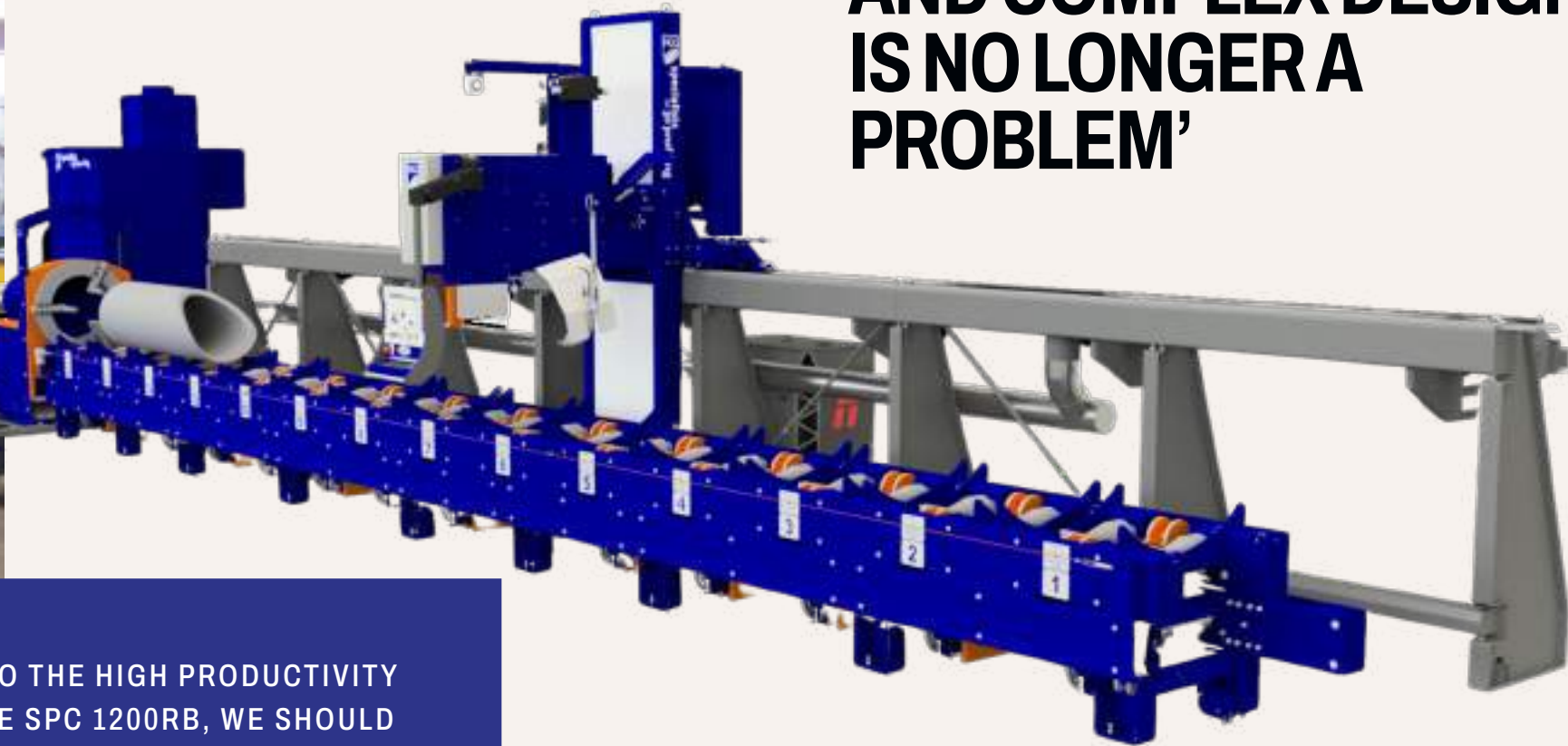
“DUE TO THE HIGH PRODUCTIVITY OF THE SPC 1200RB, WE SHOULD HAVE OUR FULL PAY-BACK ON THE MACHINE WITHIN 3 MONTHS FROM THE PURCHASE!”



Ricky Cruz
Exterran



‘LARGE VOLUME AND COMPLEX DESIGN IS NO LONGER A PROBLEM’



SPECIFICATIONS

➔ SPC 660 RB	48-660 mm [2"-26"]	8 t / 17636 lbs
➔ SPC 1200 RB	75-1225 mm [3"-48"]	12 t / 26455 lbs
➔ SPC 2000 RB	100-2035 mm [4"-80"]	25t / 55115 lbs



CUT A JACKET IN LESS THAN 80 HOURS

‘THEY KNOW YOUR INDUSTRY
AS WELL AS THE APPLICATION AND
ENTIRE PRODUCTION PROCESS.
THAT MAKES HGG UNIQUE!’



MPC 450 | 500-1200

COMBINE 2 MACHINES IN ONE

The MPC 450 | 500 – 1200 is our versatile Multiple Profile Cutting Machine, specially designed for cutting pipes and box sections. This CNC cutting machine is ideally suited for situations where production volumes do not justify dedicated machines for each profile type. The Multiple Profile Cutting Machine seamlessly integrates the cutting capabilities of two separate machines into a single, efficient solution.

- ➔ CUT PIPE AND BOX PROFILES ON 1 MACHINE
- ➔ SWITCH BETWEEN PIPE AND BOX CUTTING IN MINUTES
- ➔ 3D LASER MEASUREMENT FOR COMPENSATING MATERIAL DEVIATIONS



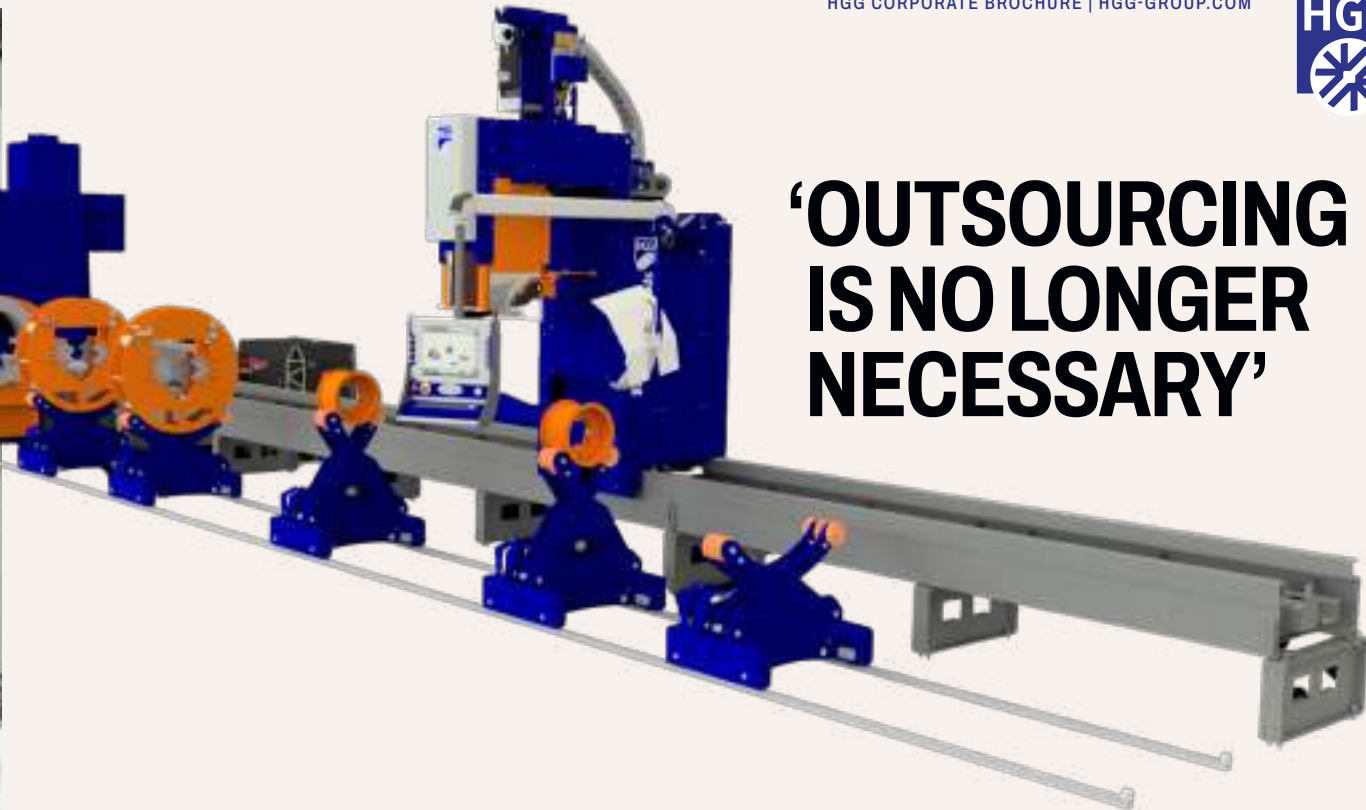
“BEFORE WE BOUGHT THE MPC SOME JOBS WERE IMPOSSIBLE TO DO AT ALL. NOW WE CAN MAKE VERY PRECISE FITS, WHICH SIGNIFICANTLY REDUCES MANUAL WORK.”



Tomasz Luba
Mostostal Pomorze SA



‘OUTSOURCING IS NO LONGER NECESSARY’



SPECIFICATIONS

	□	○	⏚
➔ MPC 450 500	60×60 mm – 450×450 mm [2 ³ / ₈ ”×2 ³ / ₈ ” – 18”×18”]	48-510 mm [2”-20”]	8 t / 17636 lbs
➔ MPC 450 600	60×60 mm – 450×450 mm [2 ³ / ₈ ”×2 ³ / ₈ ” – 18”×18”]	48-610 mm [2”-24”]	8 t / 17636 lbs
➔ MPC 450 800	60×60 mm – 450×450 mm [2 ³ / ₈ ”×2 ³ / ₈ ” – 18”×18”]	48-815 mm [2”-32”]	8 t / 17636 lbs
➔ MPC 450 1000	60×60 mm – 450×450 mm [2 ³ / ₈ ”×2 ³ / ₈ ” – 18”×18”]	48-1020 mm [2”-40”]	12 t / 26455 lbs
➔ MPC 450 1200	60×60 mm – 450×450 mm [2 ³ / ₈ ”×2 ³ / ₈ ” – 18”×18”]	48-1225 mm [2”-48”]	12 t / 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	75-1525 mm [3"-60"]	12-18 t / 26455-39683 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	200-3000 mm [8"-118"]	30-60 t / 66138-132277 lbs



SPC 1500-4000 VC

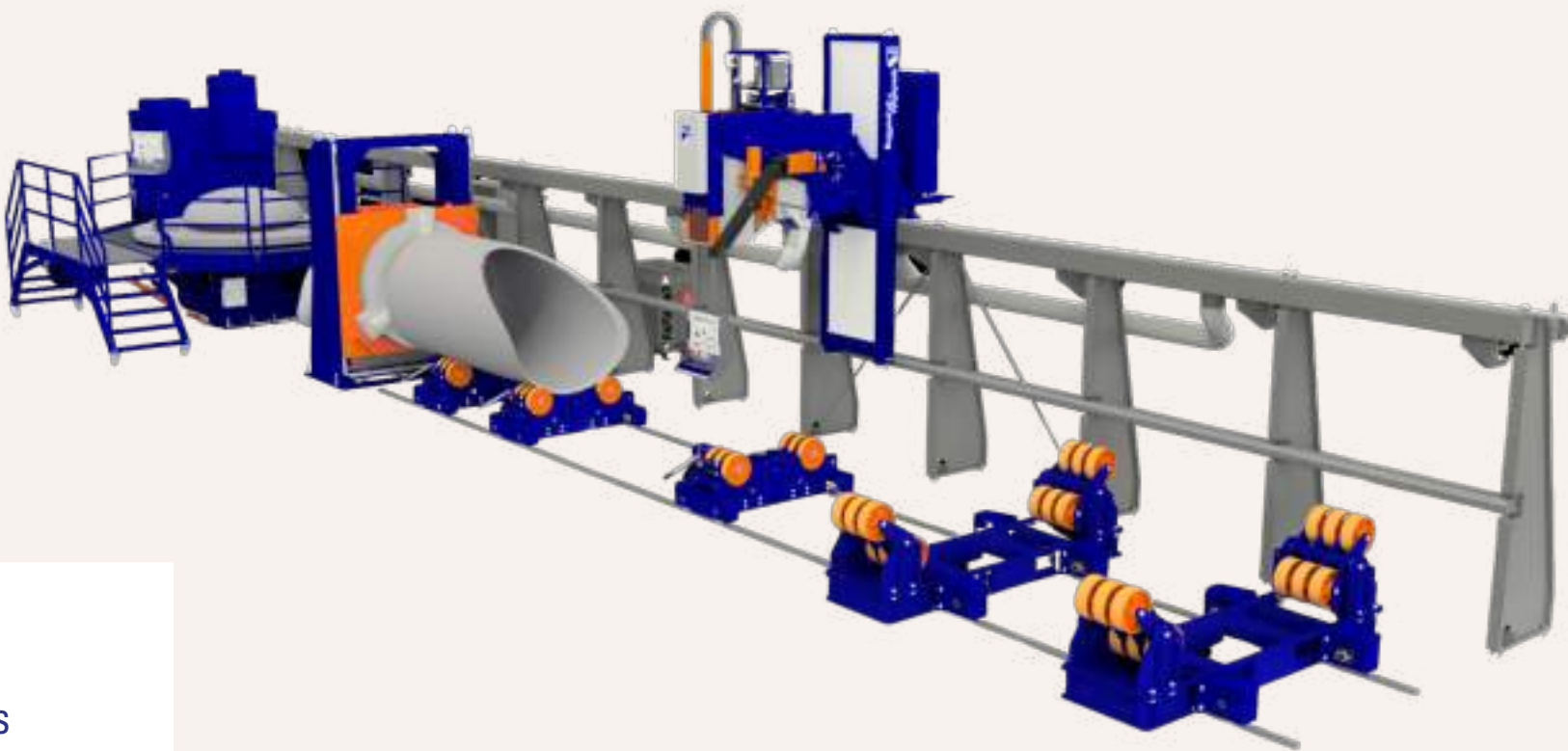
CUT A COMPLETE VESSEL ON ONE MACHINE

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’**

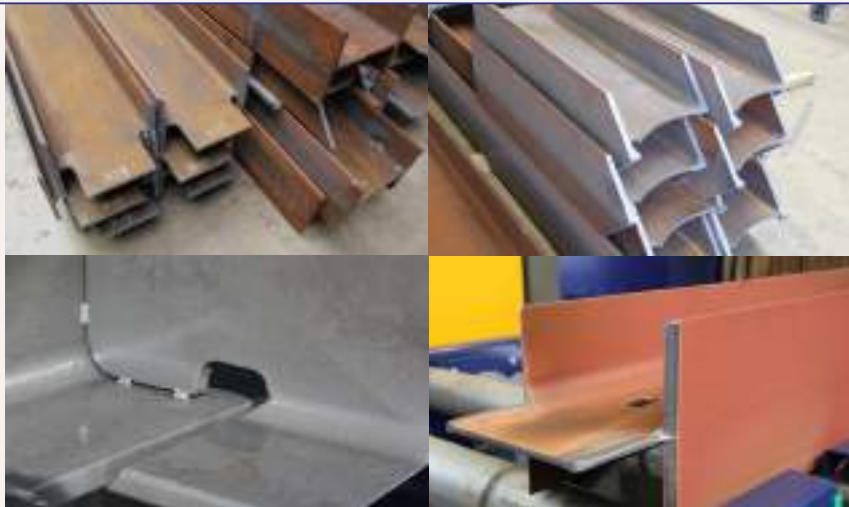
Senad Zilic | Machine Operator at HGG



MACHINES AND SERVICES

BEAM CUTTING SERVICES

With our beam cutting machines and services you can cut any shape on a beam extremely accurately and with a bevel. Our beam cutting products enable you to realize strong welded and bolted connections on beams with minimal fitting time. Beam deformations are handled by an advanced laser measurement system and sharp beam edges can be rounded by an edge rounding unit.



You receive a ready-to-weld package, so you can focus on fast and easy fitting and welding. We provide a range of beam cutting services to help you cut any shape on your steel material with utmost accuracy and with a bevel and bolt holes. Our CNC machines for coping beams are developed and produced by us. Our edge rounding line creates perfectly rounded edges on flanges of H-beams, T-bars and flat-bars.



BEAM CUTTING SPECIFICATIONS

➔	Size	IPE 100 - HEM 1200
➔	Location	At HGG or on your site
➔	Material	Carbon steel
➔	Track and trace	Permanent and non-permanent marking
➔	CAD	AutoCAD, Tekla, SolidWorks, Inventor and many more
➔	Certifications	ISO 9001; Lloyds 3.1 & 3.2



ROBORAIL

THE ALL-IN-ONE ROBOTIC PLASMA CUTTING MACHINE WITH A COMPACT FOOTPRINT

Many manufacturers think automation isn't for them because everything they do is different. But that's exactly why automation is essential! With the RoboRail, each unique part is cut and delivered 1-for-1, straight from your CAD files. Need complex cuts? Send it to the RoboRail. Require a diverse range of profiles? Send it to the RoboRail! This powerhouse will quickly become the backbone of your factory, freeing you up to focus on what your company does best. Embrace the future of manufacturing with our all-in-one plasma cutting machine: the RoboRail.

- ➞ MAXIMIZE YOUR SHOP EFFICIENCY
- ➞ INCLUDES LAYOUT MARKING OPTIONS
- ➞ COMPACT FOOTPRINT BUILD FOR HEAVY DUTY WORK



PIPE AND BEAM CUTTING | HGG-GROUP.COM

‘PAID FOR THE MACHINE IN A SHORT AMOUNT OF TIME’



“YOU ARE GOING TO GET 3 TIMES MORE PRODUCT OUT IN THE SAME AMOUNT OF TIME USING A MACHINE LIKE THE ROBORAIL.”



Stephen Chasse
Owner SL Chasse Steel

SPECIFICATIONS

	□	○	└┐	∧	⊕	↔	⚖
➞ Metric (mm)	25x25 200x200	OD 25 OD 250	50x38 280x95	25x25 200x200	3 15	7.315/ 12.500	400 Kg/ 550 Kg
➞ Imperial (inch)	1"x1" 8"x8"	OD 1" OD 10"	C 3"x4.1" C 12"x30"	1"x1" 8"x8"	1/8" 9/16"	24-41 ft	882 lbs/ 1213 lbs



APC

THE ALL-IN ONE PROFILE CUTTING MACHINE

APC is HGG’s revolutionary advancement in robotic plasma coping. While plasma coping has transitioned from a groundbreaking innovation to the industry standard in structural steel fabrication, APC redefines this standard with unmatched automation, precision, productivity, versatility, and user-friendliness.

Maximize your throughput with our patented system featuring a 360-degree rotating robot and versatile gripper. Operating seamlessly together, they provide an unlimited robotic workspace and enable dynamic, precise cutting.

- ➔ PATENTED 360-DEGREE ROBOTIC ROTATION FOR COMPLETE FREEDOM
- ➔ NEXT GENERATION MATERIAL GRIPPER
- ➔ HANDLE ALL COMMONLY USED STRUCTURAL STEEL PROFILES, PIPES AND SIZES WITHOUT COMPROMISES



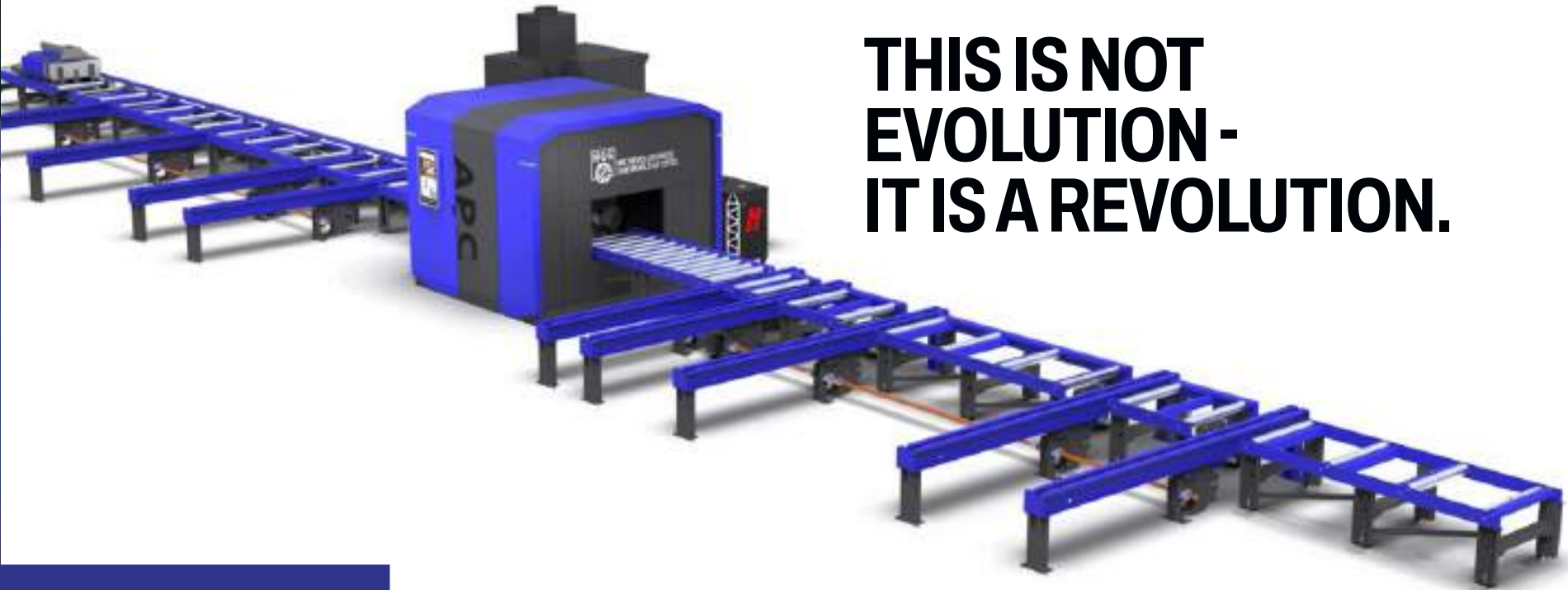
“THE APC SYSTEM REPLACES OUR DRILL-SAW LINE, ALLOWING US TO INTERNALIZE CRITICAL PRODUCTION PROCESSES THAT WERE PREVIOUSLY OUTSOURCED.”



Jan Wiebe van den Berg
Staalbouw van den Berg



THIS IS NOT
EVOLUTION -
IT IS A REVOLUTION.



SPECIFICATIONS

			H	□	□	○	∧	∧	—
➔	Metric (mm)	min max	100x96 814x303	80x45 457x115	80x80/80x40 400x400/600x400	OD 88,9 OD 610	75x75 305x305	75x50 300x100	75x10 600x40
➔	Imperial (inch)	min max	W4"x13" W30"x235"	C3"x4,1" MC18"x58"	3"x3" / 3"x1 1/2" 16"x16" / 24"x16"	OD 3 1/2" OD 24"	3"x3" 12"x12"	3"x2" 12"x4"	3"x3/8" 24"x1 1/2"

Based on European (EN 10034 / EN 10279 / EN 10305-5 / EN 10056-2 / EN 10058) & USA (ASTM A 6/A 6M - 12 / ASTM A500) standards. Profile types and sizes can be cut based on geometric constraints of the machine. Comparable sizes of other standards are supported



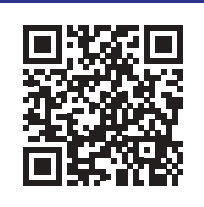
RPC 1200 MK3

BEAM CUTTING MACHINE THAT CUTS IT ALL

The RPC 1200 Mk3 is the world’s first beam coping robot that also profiles pipes. This all-in-one solution, developed from our extensive experience with thermal 3D cutting, is the most versatile beam cutting solution available on the market. It offers high-speed plasma cutting of ready-to-fit parts, prepared for any desired connection, both welded and bolted. The RPC sets a new standard by offering an entire fabrication shop in a single machine.

- ➔ THE FIRST BEAM COPING ROBOT THAT CUTS ALL PROFILES INCLUDING PIPES
- ➔ 3D LASER MEASUREMENT FOR COMPENSATING MATERIAL DEVIATIONS
- ➔ SAVE 20% IN FIT-UP WITH PLASMA LAYOUT AND TEXT MARKING

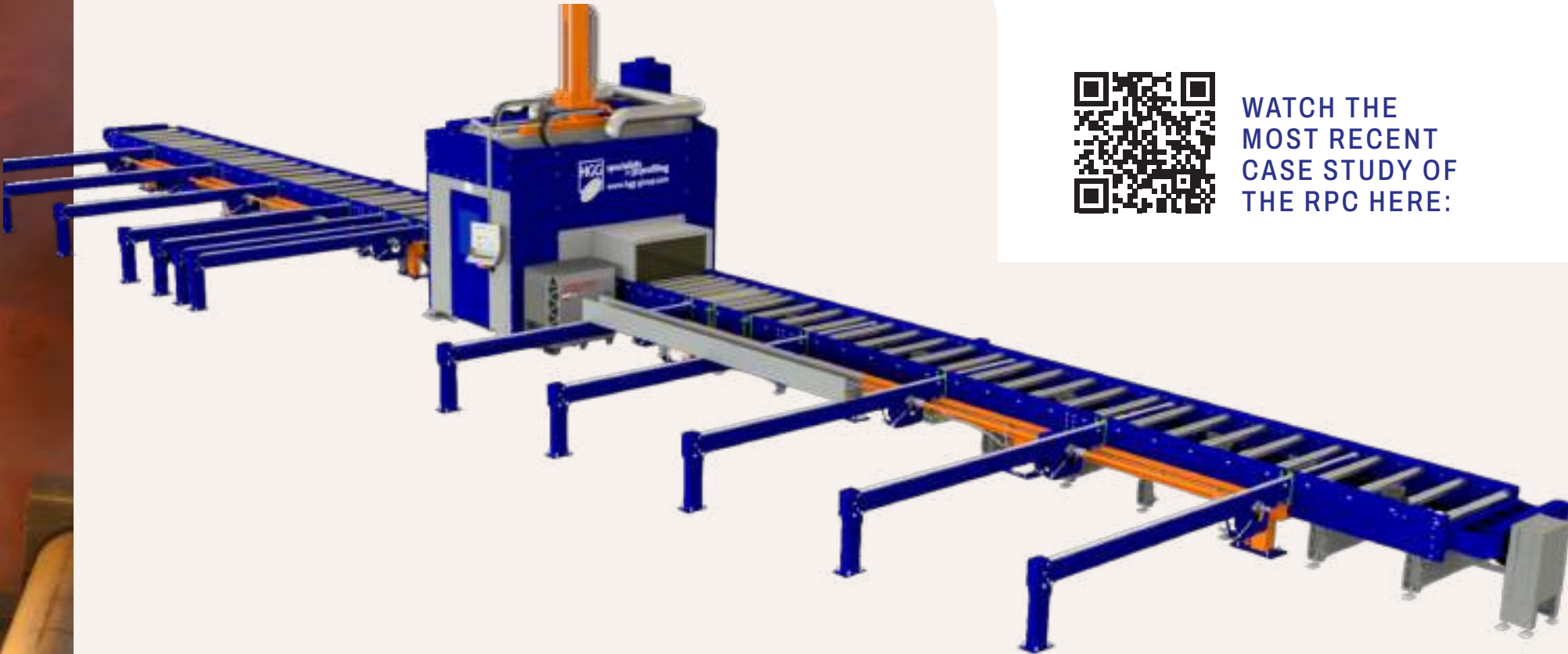
Take a tour with Matthew Wareing through the RPC 1200 and discover the inner workings of the machine, the unique features that make the RPC stand out in the market, and how these machines ensure your production runs smoothly.



TAKE THE TOUR HERE.



WATCH THE MOST RECENT CASE STUDY OF THE RPC HERE:



SPECIFICATIONS

	H	□	○	└┐	∧	∨	⋈	⋈	—	⊕	⚖
➔ Metric (mm)	100×50 — 1220×430	100×100 — 600×400	100×5 — 457×25	100×50 — 475×150	100×50 — 200×100	75×75 — 300×300	100×50 — 140×140	100×6 — 430×20	100×15 — 400×40	5 — 50	12 t
➔ Imperial (inch)	4"×2" — 48"×17"	4"×4" — 23"×16"	4"×3/16" — 18"×1"	4"×2" — 18½"×6"	4"×2" — 8"×4"	3"×3" — 12"×12"	4"×2" — 5½"×5½"	4"×3/16" — 17"×7/8"	4"×9/16" — 6"×15/8"	3/16" — 2"	26455 lbs



FABRICATE FASTER

**‘WE TRIPLD OUR
REVENUE WITHIN
THE FIRST 3 MONTHS’**



BUILD MORE

HGG uses cutting routines that make you fabricate faster by reducing the amount of ignitions and creating a new part with every single cut. Using our High Speed Plasma Technology, ready-to-fit parts come off the machine, prepared for the desired connection; both bolted and welded.

“WE’VE OFTEN BEEN GIVEN ITEMS TO CUT THAT HAVEN’T BEEN ABLE TO BE CUT BEFORE AND THE CUSTOMERS WERE IMPRESSED THAT WE ARE NOW ABLE TO DO THIS WITH OUR COPING ROBOT.”



Dick Thornton
Southern Queensland Steel
State Manager



**‘AT HGG, EVERYTHING
IS CONSIDERED
POSSIBLE. THERE ARE
ALWAYS CHALLENGING
PROJECTS TO WORK ON.
I LIKE THAT!’**

Klaas Slagter | R&D Engineer at HGG



MACHINES AND SERVICES

PROFILE CUTTING SERVICES

With our profile cutting machines and services you can cut any shape on a profile extremely accurately and with a bevel. Our profile cutting machines and services enable you to realize all possible end and intermediate cuts with a bevel on a large variety of stiffeners for the shipbuilding industry, such as HP / bulb, flat-bar / strip, angle bar and T-bar.



You receive a ready-to-weld package, so you can focus on fast and easy fitting and welding. We provide a range of profile cutting services to help you cut any shape on your steel material with utmost accuracy and with a bevel and intermediate cut-outs. Our CNC machines for cutting angle bars etc. are developed and produced by us.



PROFILE CUTTING SPECIFICATIONS

➔	Size	75×75 mm – 1220×430 mm [3"×3" – 48"×17"]
➔	Location	At HGG or on your site
➔	Material	Angle bar (un)equal, T-bar, channel, flat-bar
➔	Track and trace	Permanent and non-permanent marking
➔	CAD	AutoCAD, Tekla, SolidWorks, Inventor and many more
➔	Certifications	ISO 9001; Lloyds 3.1 & 3.2



PCL 600

WORLD’S MOST PRODUCTIVE PROFILE CUTTING LINE

Equipped with edge cleaning, marking, and multiple CAD-CAM interfaces, the PCL 600 is the most innovative and productive plasma cutting line available on the market. This high-performance profiling cutting line can cut all the most often used profiles in the shipbuilding industry, and with its high-volume output, it offers the best option available for middle- to larger-sized shipyards.

- ➔ THE MOST PRODUCTIVE PROFILE CUTTING LINE ON THE MARKET
- ➔ PROVEN TECHNOLOGY SINCE 2002
- ➔ CONFIGURABLE TO SUIT YOUR NEEDS



“THANKS TO THE HGG PROFILE CUTTING LINE, WE’VE SIGNIFICANTLY INCREASED OUR PRODUCTION SPEED BY AROUND 4 TO 5 TIMES. HAVING THE PCL HAS ALSO POSITIVELY AFFECTED OUR PRODUCTION PLANNING.”



Alexey Shadrov
Head of Design Engineering

‘CUTTING STIFFENERS 5 TIMES FASTER’

SPECIFICATIONS

							
➔ Metric (mm)	95×55 - 420×220 mm	75×50 - 550×150 mm	50×50 - 220×220 mm	100×50 - 500×200 mm	60×15 - 430×83 mm	50×5 - 550×30 mm	2.5 t / 5512 lbs
➔ Imperial (inch)	3¾"× 23/16" - 16½"× 85/8"	3"×2"× - 215/8"×57/8"	2"×2" - 85/8"×85/8"	4"×2" - 195/8"×77/8"	23/8"×¾" - 167/8"×3¼"	2"×3/16" – 215/8"×11/8"	2.5 t / 5512 lbs



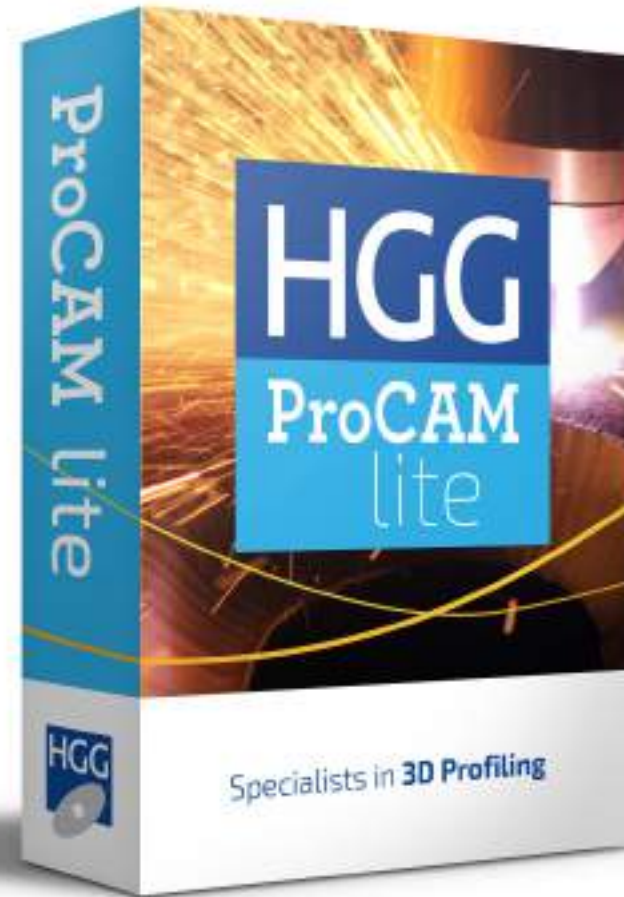
STIFFENER CUTTING IS NO LONGER THE BOTTLENECK

‘HGG HELPED US TO INCREASE
PRODUCTION SPEED AROUND
4 TO 5 TIMES AND THAT MAKES
US A MUCH MORE ATTRACTIVE
CHOICE FOR POTENTIAL
CUSTOMERS’



PRO-CAM LITE

IF YOU CAN IMAGINE IT,
YOU CAN BUILD IT!

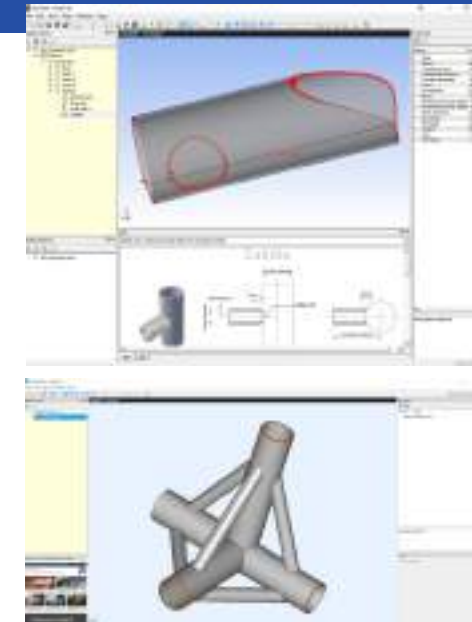


CHECK PRODUCTION DATA BEFORE YOU SEND IT TO YOUR MACHINE TO HAVE IT CUT

You want to easily open and view XML or PCD files without CAD software? Use HGG's free ProCAM Lite! The software consists of two parts: a DSTV viewer and a pipe viewer. You can view your cutting files and perform a final production check with the interactive measurement tool. It's also possible to review any DSTV, NC, XML or PCD file, check all parameters and weld details, including root openings and markings.



- 1 Validate your own NC data before fabrication
- 2 Optimize your production process
- 3 Reduce error costs



‘HGG PROCAM LITE ALLOWS YOU TO VIEW ANY DSTV DATA OR PIPE CUTTING DATA, CREATED IN TEKLA. ANYONE INVOLVED IN THE PROJECT CAN NOW CHECK THE DATA IN PROCAM LITE BEFORE IT’S BEING CUT AND MANUFACTURED.’

Michael Hodgson
Technical Manager
Tekla Software

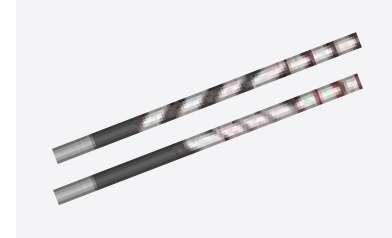


DOWNLOAD
PROCAM LITE
FOR FREE



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’

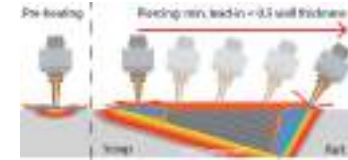
OXY-FUEL CUTTING



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.



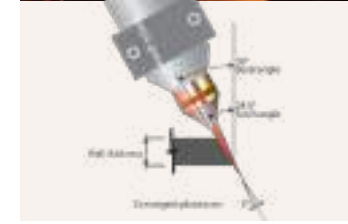
PLASMA CUTTING



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.



‘ONE OF THE BIGGEST ADVANTAGES OF HGG IS THAT THEY MAKE BEVELED CUTS ON THE PROFILES’

Hans Peter Labee | Fitter at Hollandia

EDGE TREATMENT

Creating a barrier against corrosion is essential for extending the lifetime of steel structures. Edge breaking is therefore applied for improving the surfaces for coating coverage and ultimately corrosion protection.

WIRE BRUSH CLEANING SYSTEM



With an assembly of three rotating brushes, three faces of the material can be cleaned simultaneously. The assembly adapts to the whole range of different profiles. These wire brush cleaning machines are specifically developed for the purpose of cleaning ship stiffeners.

SHOT BLAST CLEANING SYSTEM



These machines have specifically been developed for the purpose of cleaning ship stiffeners and are not comparable to a flat plate or flat-bar cleaning machine. HGG integrates the edge cleaning system with all necessary software in an automatic cycle with the profile cutting positioned after the edge cleaning unit.

EDGE ROUNDING BY ROLLING



With our Edge Rounding service we can automatically process a radius of 2-3 mm on a beam flange, T-bar or flat-bar by rolling the edges. Once the edges are rounded the beams can easily meet the corrosion protection requirements.



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**

**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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