



specialists  
in 3D profiling

# PCL | Highly Productive Profile Cutting Line



**Improved Welding Speed and Quality**  
Integrated edge cleaning line

**Compact Cutting Cell**  
Provides a clear overview for the operator. Features on-the-fly measuring, fume extraction and a Stäubli robot

**High Throughput**  
On-the-fly material detection by measuring rollers and gripper






**Traceability and Easy Fit-Up**  
Integrated text, weld line and bend line marker

**Multiple outfeed stations**  
Slatbelt with outfeed table for small parts and roller conveyor with chains for long parts

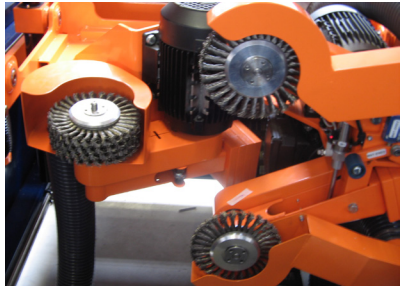
# PCL | Highly Productive & Accurate Profile Cutting Line

The PCL is a Profile Cutting Line that is developed to cut stiffener profiles used in the ship building industry. This machine is equipped with a robot which is capable of full three-dimensional cutting. This means that all cuts can have a bevel and/or angularity.

The PCL is capable of cutting all profiles commonly used in the ship building industry and, if special cuts are required, HGG can develop extra profiling shapes on request.

	 Equal angle	 Unequal angle	 T-bar	 Bulb/HP	 Flat bar
<b>PCL 600</b>	max: 150 x 150 mm	max: 550 x 150 mm	max width: 550 mm	max: 550 x 15 mm	max width: 550 mm
	max: 6" x 6"	max: 22" x 6"	max width: 22"	max: 22" x 0.6"	max width: 22"

## Edge cleaning systems



HGG provides brush- and shot blast units that clean all three faces of the material. These machines are especially designed for cleaning ship stiffeners at variable angles.

## Gripper



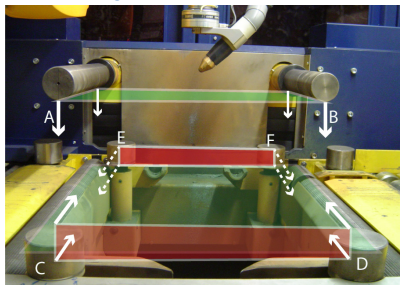
By using a gripper for longitudinal movement, there is no need for a slow and big industrial robot. Furthermore, the material's position is always known.

## Cutting cell



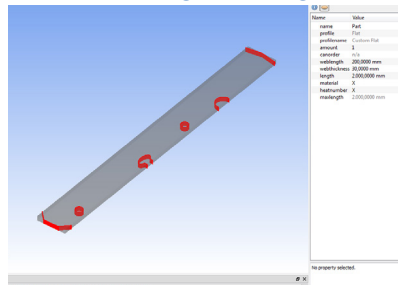
The closed cutting cell includes inside noise absorption material to reduce noise outside the cutting cabin. Furthermore, it has very effective fume extraction.

## On the fly measurement



Having on-the-fly measuring by rollers and the gripper, the need for an extra measurement cycle is eliminated.

## Software/Programming



HGG will provide an in-house developed postprocessor with all required cutting shapes, matching your requirements. Custom shapes are available as well.

## Magnetic crane



HGG can also provide a magnetic loading crane for efficient loading and unloading of profiles and cut parts.

## Contact us and configure your machine!

**HGG Profiling Equipment by Specialists in 3D Profiling**

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