Laser cutting
and other sheet metal working
Sheet metal working

Weland – a unique resource!

Within the Weland Group, we have acquired over the years excellent mechanical equipment and considerable production resources.

We offer production capacity on a subcontracting basis and this, thanks to collaboration between Weland companies and other associated companies, makes us a complete and strong partner.

Together, we can offer unique production opportunities, and you only need one contact person who takes the responsibility for, and coordinates, some or all of your production.

We also have very extensive stocks of materials, with at least 1500 tons of sheet metal in stock, in a wide range of material grades and thicknesses. This means that we will probably have the right material in store, and we can therefore offer delivery times that few others can match.

This makes us a unique resource!
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A unique resource

Contact us in the concept stage. With our modern and rational fleet of machinery, we support you from start to finishing line. With a stock of at least 1500 tonnes of sheet metal, in most grades, we guarantee fast delivery times.

Design

Our drawing office works with the latest available CAD equipment. Whether you have a simple sketch or a finished CAD drawing, our experience of production can be a great help in the ongoing process.

Cutting

Weland has a large modern fleet of machinery for sheet metal working. We can handle most materials, such as sheet metal and tube, in materials such as steel sheet, stainless steel, aluminium, hot dipped galvanised and Magnelis. We have the resources required to perform most metalworking processes with precision, skill and the highest quality.

Finishing

We perform levelling, brush deburring, grinding and deburring of sheet metal components to great accuracy and precision. Our experienced sales force helps you with the method that best suits your products.

Cutting machining

In the last year, Weland has invested in many new machines for our multi-purpose machining department. We machine small as well as large components. Drilling, reaming, thread tapping etc., are operations we can help you with.

Bending

Weland has some 10 edge presses in different sizes. With press power up to 800 tonnes and work length of 6200 mm, we can take on most bending tasks.

Welding

We have the possibility to help you with everything ranging from small welding jobs up to larger, more complicated, welding work. We have significant resources and long experience of diverse engineering work and rational handling.
Surface treatment

Weland can provide various kinds of surface treatment. We have our own resources for hot dip galvanisation and painting. We can provide other surface treatments in collaboration with nearby partners.

Assembly

In connection with laser cutting, punching, bending or other manufacturing process, we can also offer the assembly of the complete, or part of, the final product. Our knowledgeable staff guarantee the highest quality with fast and rational handling.

Stock-keeping

For large customers, or for products in large series, we have the potential to stock products on our customers’ behalf in an extremely rational way.
**Drawing office**

Our drawing office works with the latest available CAD equipment. We can assist with the preparation of drawings or accept finished drawings from you along with a dwg or 3D file. Our drawing office uses primarily SolidWorks.

All programming of our laser machines is done in our drawing office, where our personnel have many years of experience in laser programming. As a result, we are currently programming on average 50 new parts per day, all year-round. This is also where we make adjustments to our own production, prepare material for components, and calculate cutting times.

**Tenoning**

Already, while the parts are being laser cut, they can be prepared with tenons, mitres, notches and holes in the goods. This gives a perfect fit prior to welding without any need for expensive jigs. Tenoning facilitates the assembly and joining of the parts. You get a perfectly assembled product.

We have software that automatically optimises tenoning to give the absolute best result.

**Minimisation of wastage**

We are working hard to utilise the sheet metal to the maximum, in other words, to have as little wastage/scrap as possible. Weland’s goal is always to be at the cutting edge of new technology. This also applies to our software.

We have an advanced system for monitoring/reporting the consumption of materials. In this system, it is easy for us to follow the exact progress of a cutting plan, to see which parts are being cut, and how long it takes the machine to cut them. All material reporting is done automatically, which means that all of our material balances are always updated and we can easily monitor how much waste is generated.

**Quality and environment**

All stages of the production chain are subject to careful control and we work according to the ISO 9001 quality management system. We are also environmentally certified according to ISO 14001.
**Reference object**

**Sweden's largest digital trees**

Two laser cut trees to act as advertising frames at St Wäsby Allé and one at Infracity. At the request of Smidesbyggarna in Högdalen, Weland has laser-cut parts for the tubular frame and the "crown" of the tree. The trees are 17 metres tall and 10.5 metres wide, and comprise 5 tons of tubing and approx. 2 tons of sheet metal. They have been manufactured in Cortén steel.

**Steel pallets for vertical stacking**

Weland has developed a stackable steel pallet that is usable in most contexts, including internal as well as external handling. The rounded foot restraints on which the pallet stands are a refinement that, together with the socket tube, means the stability is maintained when stacking vertically. Empty pallets are stacked compactly, thereby taking up the minimum space.
Sheet metal and tube stock

Weland has an extensive stock of sheet metal and tubing in a wide range of material grades and dimensions.

At least 1500 tons of sheet metal in stock

To enable us to meet our customers’ demands for quality and prompt delivery, a very extensive stock of sheet metal is required. We always have at least 1500 tons of sheet metal in stock, in most grades and thicknesses. For example, Dc01 from 0.5 to 3.0 mm, hot-rolled pickled sheet metal S355 MCD – S700 MCD from 3-20 mm, stainless steel 1.4301 and acid-resistant steel 1.4404 from 1-15 mm.

We also have a considerable volume of high strength sheet metal type S690QL and S890QL in stock. Apart from the above, there are many other grades and dimensions of sheet metal. Gives us a call for more information.

Rational handling

We have always attached great importance to materials handling. With the best equipment possible, spacious premises with a well thought-out flow, and motivated and knowledgeable personnel, we guarantee rational handling and thereby short delivery times.

Rational and careful handling of materials also includes the storage of all raw materials indoors to ensure cleaner and more efficient machining.

Tube and HF HRS bar

We also have extensive stocks of tube and HF HRS bar in various dimensions and material grades. If we do not have the right material in stock, we can obtain it quickly thanks to our good contacts with suppliers.

Weland has an extensive stock of sheet metal and tubing in a wide range of material grades and dimensions.
Laser cutting of sheet metal

Laser cutting in sheet metal is a superb way of manufacturing prototypes and products in small to medium sized series. This is a very economical and quick method of production as you do not need to produce any special tools. Weland has laser cutting for all dimensions and formats.

**Large capacity**

We have around 20 laser cutting machines in shift operation. Several of the machines are equipped with linear robots that pick and stack cut details and the remaining "scrap skeletons". In total, we have the capacity to cut more than 85 tonnes of sheet metal every working day.

**CAM cutting**

Our CAM facility is connected online to the laser cutters. This gives short delivery times and great precision. We would gladly help you with the CAD drawing. If you are using Auto-CAD, you can send the drawing as a dwg file to us in order to cut programming costs.

**Prototype production**

Laser cutting is a superb method of manufacturing prototypes and products in small to medium batches. This is a very economical and quick method of production as there is no need to produce any special tools.

Come to us, and make your ideas reality. We have good capacity and are at your disposal.

**Cut surfaces**

The cut surfaces are completely perpendicular in laser cutting. Moreover, the cut surfaces are so uniform that there is, as a rule, no need for grinding (tolerance ± 0.1 mm).

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**Capacity**

- Maximum material length: 6000 mm
- Maximum material width: 3000 mm
- Maximum product thickness: 20 mm (carbon steel) 10 mm (stainless steel) 5 mm (aluminium)
Reference object

High level of safety with parts from Weland

UniCarriers is a world-leading provider of transport solutions for logistics and warehouses to a global market. UniCarriers Europe, in Mölnlycke, develops and manufactures its own range of both high-quality warehouse trucks as well as counterbalance forklift trucks. One of its partners is Weland, which provides most of the metal parts for the EPH, one of the most popular trucks in its extensive range.

Laser-cut boat hulls

The project "On the right track" is being run in Umeå. This is a vocational upper secondary programme, where 9 students who have been diagnosed with ADHD are building a 16-metre long ocean-going sailing boat. The boat is intended to go into service in the Baltic Sea.

On behalf of Stena Stål AB, Weland has laser cut parts for the hull, bottom plate, sternpost, frame and transom.
Laser cutting of tubes

We have various types of tube laser machines, with fixed or movable head. With a fixed laser head, straight cuts are obtained in the tube. This is also the traditional method. With movable cutting head (3D cutting), angled cut surfaces can be obtained in the tube, e.g. welding chamfers, countersinks etc. With this method, you can tube cut really large sizes in our Jumbo Tube Laser machine or in our new Mazak FG 400.

Fixed cutting head vs. movable cutting head

In ordinary tube cutting (fixed head), the cut surfaces are perpendicular to the tube’s longitudinal direction, and the fit between the tubes is then as illustrated. In 3D cutting (movable head), the cut surfaces can be angled with respect to the tube’s longitudinal direction to obtain a perfect fit between the tubes.

Tenon cutting

Once the details have been laser cut, the parts can be prepared with matching tenons and holes. These tenons and holes provide a perfect fit prior to welding. No measurement of the parts is required. The tenoning facilitates the assembly and joining of the parts. You get a perfectly assembled product. Tenoning also helps you avoid expensive costs for welding jigs. A welding rig is a high cost in product development.
Laser cutting of tubes

Fibre-optic tube laser cutting
Weland can also offer fibre-optic laser cutting of tubes.

Fibre lasers are a compact, effective and reliable method that has long been used within several other business areas.

It is now also possible to use the technique for metalworking, which provides a number of advantages compared to traditional laser techniques:

- **Green Tech** – Up to 80 per cent lower energy consumption provides a more environmentally friendly production.
- **New materials** – Fibre lasers can cut highly reflective materials such as stainless steel, aluminium, brass and copper, which the market is now demanding.

Cutting in heavy gauge profiles
For heavy gauge and larger profiles, we have equipped our fleet of machinery with two Jumbo tube laser cutters and a Mazak FG 400.

Both types of machine offer unique characteristics that open up entirely new production possibilities in the heavy gauge segment, including the Steel Construction Industry. In addition, the Mazak FG 400 is equipped with a machining head for tapping threaded holes.

**Capacity**

- **Maximum material length for cutting**: 18000 mm
- **Maximum dimension**: ø 508, 400 x 400 mm or 500 x 300 mm
- **Minimum dimension**: ø 10 or 10 x 10 mm
- **Maximum thickness**: 16 mm
- **Minimum thickness**: 0.5 mm
- **Maximum weight**: 3600 kg or 200 kg/m
- **Tapping**: M3-M12
Reference object

**Jumbo tube laser cutting for silo facility**
Weland cut large tubes using its Jumbo tube laser cutting machines and delivered UPE beams and tubes to Svenska Foder’s silo facility in Oxelösund, Sweden. Final welding and delivery of the parts was carried out by Häfla Bruks AB.

Svenska Foder is a part of DLG, Dansk Lantbruks Grovaresellskap, which is the sole owner of the Svenska Foder Group. DLG is the third largest fodder producer in Europe, with annual sales of almost 4 million tons.

**Laser cut gas turbine tubes**
Weland has delivered gas turbine tubes to Ekström & Son AB, Kristianstad, Sweden.

In our Jumbo tube laser, we have cut gas turbine tubes with the dimensions 506 x 6 mm in Alloy/Inconel 600 grade. Each gas turbine tube has been perforated by 4770 laser cut holes with the dimension Ø20 mm.

**Flora and fauna in Corten tube**
On behalf of MK Smide, Weland has delivered machined metal parts to the Strandskogen project – one of three parks in the Arninge-Ullna district of Täby Municipality. Using laser cutting, Weland has cut out information about flora and fauna in Corten tubes, which have now been set out along the park’s walkways.

Approximately 30 tubes of various sizes have been manufactured and placed out in the park. Weland was responsible for materials and the tube laser cutting and ML Smide for welding and installation. The Strandskogen project, Arninge-Ullna, is nominated for the 2017 Siena Prize. A prize from Sweden’s Architects that rewards Sweden’s best outdoor environment.
Perforation line

In our perforation line, we perforate and punch holes in square tubes. The perforation machine manages a number of different dimensions. Punching holes in several tubes at a time is a fast and rational method. We produce tools for new hole patterns or tube sizes as needed.

A common application for perforation and punching is products that are used, for example, in shop fittings.

<table>
<thead>
<tr>
<th>Capacity</th>
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<tbody>
<tr>
<td>• Maximum dimension rectangular tube: 110 x 30 x 3 mm</td>
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<tr>
<td>• Maximum dimension square tube: 80 x 80 x 3 mm</td>
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<tr>
<td>• Maximum tube weight: 30 kg</td>
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<tr>
<td>• Maximum tube length: 3500 mm</td>
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<tr>
<td>• Minimum tube length: 800 mm</td>
</tr>
<tr>
<td>• Cutting power/punch: 15 tonnes</td>
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Reference object

Complete shelving system for Ptec

For a long time, Weland has delivered complete shelving systems to Ptec Inredningar. With its efficient perforation line, Weland can deliver complete shelving systems, better and faster than ever.

Weland manufactures the shelving system using tube perforation, punching, welding and folding. In the perforation line, several tubes can be perforated at the same time in varying dimensions. The shelving system can be ordered based on individual needs.
Waterjet cutting

Water jet cutting is one alternative to laser cutting. With this technique, all materials up to 100 mm thick can be cut.

Because this is a cold cutting method, it does not cause any thermal structural changes in the edge zone. This also means that all types of material can be cut, including wood, glass, natural stone, ceramic, rubber, plastic and even porous materials.

Capacity

- Maximum material length: 6000 mm
- Maximum material width: 4000 mm
- Maximum product thickness: 100 mm
Gas and plasma cutting

For cutting really heavy-gauge plate sizes, gas cutting and plasma cutting are a good alternative.

We do this with high precision and impressive speed. Double cutting head for both gas and plasma and double table for setting up the sheet metal provides a very large capacity.

The choice between gas and plasma cutting is determined by the material, quality, thickness and the tolerances required.

**Capacity**

- Maximum material length: 15000 mm
- Maximum material width: 2500 mm
- Maximum product thickness: 40 mm (plasma) and 200 mm (gas)
Punching

Unique opportunities

Weland has many machine lines available for punching. All of the machine lines have unique characteristics to satisfy the market’s varying needs.

The production lines are equipped with punch, angle shears and automatic folding machines. All of the lines have a high degree of automation, and can handle materials all the way from coils, or the initial sheet metal, to the finished part. We can punch, cut, shape, fold and stack parts on the same line.

This provides incredibly great flexibility with short set-up times and high precision. With the correct flow, major time-savings are obtained compared to traditional edge bending.

Sweden’s most modern machine line

Weland’s most recent investment is an ultramodern production line of a completely unique type. The machine line machines coils, which minimises wastage, since the shearing length of the sheet metal can be optimised. The line is suited to serial production and currently manufactures components such as shop fittings, shelving systems, tool walls and tray plates. The larger and the more unwieldy the component, the more the reason to mass-produce.

Capacity

**Punching**
- Maximum material length: 4300 mm
- Maximum material width: 1524 mm
- Maximum product thickness: 8 mm (carbon steel) 3 mm (stainless steel) 5 mm (aluminium)

**Panel folding**
- Maximum length (X): 3990 mm
- Maximum width (Y): 1524 mm
- Minimum length (X): 285 mm
- Minimum width (Y): 190 mm
- Maximal diagonal dimension (D): 4000 mm
- Maximum plate thickness: 3.2 mm
- Minimum plate thickness: 0.5 mm
Holing and bending

Our machine lines for punching are equipped with a great many tools, allowing us to manage most forms of holing, grooves, flanging and marking.

One of the major advantages with our production lines are the panel folding machines, which automatically fold all sides in single or more complicated folds, e.g. double-fold or at the desired angle.

Our panel folding machines are suitable parts intended for store fittings, shelving systems, tool walls and tray plates etc.

This provides incredibly great flexibility with short set-up times and high precision.

Weland’s goal is to operate a modern, rational and cost-effective production.

Reference object

Facade sheets in Cortén flat sheet

On behalf of our customer, LW Sverige AB, we have punched and folded 7000 m² facade cladding in Cortén flat sheet.

The sheet has been used for facade cladding on the New Karolinska Hospital, Teknikbyggnad U3, in Stockholm.

Trays and flexible fitting systems for Weland Solutions vertical storage lifts.

The Compact Lift is one of the most efficient vertical storage lifts on the market.

Weland manufactures the fast-moving trays that are used for different machine widths and different load requirements.
Finishing

Levelling, brush deburring, grinding and deburring of sheet metal components are among the operations we perform to great accuracy and precision.

Levelling

We have two modern levelling machines that level sheet metal components up to 20 mm thick with a very high degree of precision.

The levelling machines consist of a number of rollers that, through electro-hydraulic control, automatically regulate roller pressure and feeding to achieve the optimum results.

Thanks to the CNC control, no adjustments need to be performed to take into account holes and indentations in the components.

Capacity

- Part thickness: 0.8 - 20 mm
- Part width max.: 2000 mm
**Brushing**

Brushing removes the oxide film on cut surfaces. The machining is efficient because it brushes both the top and bottom sides simultaneously.

This finishing is important in order to obtain good adhesion for future surface treatments, e.g. during painting etc.

**Deburring**

Small components can be deburred to remove burrs and sharp edges.

This method also simultaneously machines both the upper and lower sides.

**Tumbling**

Tumbling is very suitable for deburring small details. The parts are given a fine surface and sharp edges are blunted.

*Our experienced sales force helps you with the method that best suits your products.*
Cutting machining

Weland conducts multi-operation machining with numerous component changes in flexible machining cells. We have some 20 multi-operation machines at our disposal.

Multi-operation machining

In our multi-operation machines, we perform drilling, reaming, threading etc. If tight tolerances in cut holes are needed, we perform reaming or other machining to attain the correct tolerance. Normally, laser cut holes can be threaded directly, without any other pre-treatment.

Larger and heavier machining machinery

Two of our latest additions are a new bed milling machine and a horizontal multi-operation machine in the large segment.

Bed milling machine

Maximum machining range: 8 x 2.6 x 1.3 metre

3-axle, 4-axle and 5-axle machines

Horizontal machining with rotating table makes it possible to machine from three sides in a single set-up.

Machining range

- Maximum width: 1300 mm
- Maximum length: 8000 mm

Horizontal multi-operation machine

Maximum machining range: 1.7 x 1.4 x 1.5 metre (60 different tools)
Robot cell
Flexible machining cell that provides the opportunity for rapid change-overs.

Drilling and milling with short cycle times results in a very high number of component changes. In many ways, this is costly and non-ergonomic work that requires somebody to be present at the machine at all times to ensure an efficient production.

A concept has been developed in the form of a machining cell that combines a high degree of flexibility and the potential for rapid change-overs.

The cell consists of a horizontal multi-operation machine. The robot cell contains long belt conveyors that provide the potential to buffer for unmanned operation, moreover a robot that picks the work pieces straight from the pallet. In the cell, it is possible to unload finished components at three pallet locations.

Reference object

Harvester bars for Europe’s forestry industry
Weland and Foreq have collaborated since 2010. The collaboration started with Weland and Foreq jointly developing fixtures to manufacture a series of harvester bars for harvesters.

Weland laser cuts the harvester bars in 6.2 mm cold-rolled sheet (42CRMo4). When the laser cutting is finished, a groove is milled around the bar to ensure the chain stays in place. After manufacturing at Weland, the harvester bars are forwarded to Foreq for hardening, painting and delivery to the end customer.

Components for drilling rigs
The Askim company, Geotech AB, develops, manufactures and markets a large assortment of geotechnical products.

Weland supplies the sheet metal for Geotech’s drilling rigs and the material is mainly sheet metal, grade 350. Apart from laser cutting, Weland machines and bends the material according to Geotech’s drawings.
Weland has some 10 edge presses in different sizes. Bending is performed by NC-operated edge press machines. The bending is performed as a finishing step to laser/waterjet cutting.

The edge presses have a capacity of 40 to 800 tons. Our 800-ton edge press allows us to take on work very few companies can do.

Add a sophisticated CNC control unit, and we have a unique resource at Weland.

### Capacity

- **Press power:** 800 tonnes
- **Maximum bending length:** 6200 mm
- **Tool space:** 735 mm
- **Stroke:** 565 mm
Reference object

Rainwater channels for bridge
Weland has manufactured rainwater channels for Motala Bridge. This was on behalf of LM Stålteknik AB, Nossebro, Sweden.

The rainwater channel was manufactured in stainless steel sheet that was then bent into shape to meet the customer’s request.

Furnishings for changing rooms
The company, Hoffmanns Smide AB, has delivered furnishings for Mora Ice-Hockey Club’s changing rooms.

On behalf of Hoffmanns Smide, Weland has tube laser cut, bent and punched components for the furnishings.
We are flexible
We help you with the welding of small and large components. With both mechanical and manual welding, we always start from your component when we are choosing the method. We have robot welding, a welding cell with several high-performance robots available, and also certified welders (SS-EN 287-1), when the components so require.
Robot welding is suitable for serial production at high speed and manual welding is suitable for smaller series. We also design and manufacture fixtures, when this is required to obtain the best results for the welding.

We are certified
We have certification for both automated and manual welding. During manual welding, the work is performed by welders certified according to SS-EN 287-1

We are powerful
If you order finished components that are, for example, laser cut, bent, tumbled and welded by us, you make use of our full potential. You obtain high-quality parts with full control of the delivery, because all of the manufacturing is performed under the same roof.
Reference object

Chassis for Swepac
On behalf of Swepac in Ljungby, Weland is manufacturing the chassis for vibratory compactors that are used for compacting both gravel and asphalt.

Weland laser cuts, bends sheet metal and pipes and then welds everything together into a chassis. Before delivery, the chassis is hot dip galvanised by Zinken Weland AB.

Machine cab for Alstor
The first time that Weland came into contact with Alstor, a Swedish manufacturer of forestry machinery, was at Elmia Subcontractor 2015. A collaboration started, which developed quickly. Now, 50 – 60 machine cabs are being delivered from Weland every year.

The manufacturing of the machine cab for the Alstor 833 is mainly carried out in Weland’s machine fleet. Sheet metal parts are laser cut and tube cut in high-strength materials that are folded, rolled and welded manually. The parts are ground and sand blasted, the cab is painted and then delivered to Alstor for assembly.

Chassis for forestry machinery
Weland supplies laser cut chassis components to Gremo AB. The chassis components are intended for harvesters and forwarders.

Gremo, located in Ätran, Falkenberg municipality, works with forestry machinery in the forwarder class, 8-10 tons load capacity.

6-16 mm Weldox 700E high strength sheet metal is used for the chassis components to handle the high stresses associated with forestry. We also help to bend and weld the chassis components together, as requested by the customer.
Surface treatment

Weland performs two types of surface treatment, painting and hot dip galvanisation. We can also offer other types of surface treatment together with our partners nearby.

**Hot dip galvanisation**

Hot dip galvanisation of steel is one of the most effective and most tested surface treatments available to combat rusting. Steel products that will be hot dip galvanised and corrosion protected are dipped into a zinc bath with molten zinc.

A reaction occurs in the contact surface between the steel and liquid zinc forming a ferrous/zinc alloy. This means that the zinc layer cannot flake off or rust from the inside.

Weland’s subsidiary, Ziken Weland, has a modern hot-dip galvanising facility in Ulricehamn.

Contact us and we will send you a brochure.

**Painting**

In our modern paint shops, we can perform the work in primed or top-coated versions. We offer painting using various methods, both traditional "wet" and powder coating.

Top-coating is done with all the shades on the NCS or RAL scale.
Reference object

Rubbish chute for waste management
Weland delivers 150 rubbish chutes annually to Envac, which is the world leader in automated waste management. Weland has produced materials, laser cut, bent, rolled, welded, surface treated and partially fabricated.

The rubbish chutes have been powder coated to make them resistant to weather and wind.

Envac, with 50 years’ experience of waste management, has 35 offices in 22 countries. They invented the vacuum waste system, that is to say, vacuum technology for waste management, at the start of the 1960s.

Total solution for HipHoof
Weland has helped the HipHoof company to manufacture a stud plate (a tool for shoeing horses). Among other things, the stud plate has been laser cut, folded and threaded. After this, the stud plate has been painted.

To date, Weland has delivered roughly 3000 stud plates.

Laser cut pillars and load bearing support structure for a water slide.
Sweden Hydro Sport AB is a leading supplier of water slides.

We have been commissioned to laser cut the supporting pillars for the Himlabadet water park in Sundsvall. The pillars are made of tubes measuring Ø 508 x 10 mm and 10200 mm in length. Notches have been cut in the pillars for fastenings, mounting lugs have been welded on, as has a bottom plate measuring 850 x 850 x 40 mm.

Prior to delivery, the structure has been hot dip galvanised at Zinken Weland AB.
Control measurement

Our quality control department has at its disposal measurement equipment of the absolute highest class.

In our measurement room, we have, among other equipment, a CMM measuring apparatus of impressive dimensions. The massive stone measurement table is a full 5 x 2 metres and weighs 19 ton. We can measure details in size up to 4 x 1.5 metre with an accuracy of 3.5 µm + L/300.

Apart from the CMM equipment, we also have various types of measurement arm for simpler measurements.
Stock-keeping

For large customers, or for products in large series, we can stock products on our customers’ behalf in an very rational manner in our automatic warehouse. Orders are then placed by call-off in close cooperation with the customer.
With great competence, an extensive stock of materials and a strong fleet of machinery, we are ready to help you from idea to finished product.

We can offer unique production opportunities, and you only need one contact person to take responsibility for, and coordinate, some or all of your production.

This makes us a unique resource!
Weland's extensive product range

**Grating products**
Grating | Gangways for disabled people | Fixings
Kerb angle frames | Plank type flooring, slit plank type flooring | Stair treads and landings

**Staircases and railings**
Spiral staircases for evacuation and industry
Spiral staircases for indoor applications
Straight flight staircases | Special design and combination staircases | Railings

**Mezzanines and gangways**
Mezzanines | Gangways

**Laser cutting and sheet metal working**
Laser cutting of sheet metal and tubes | JUMBO laser cutting of tubes
Gas/Plasma cutting | Water jet cutting | Punching, nibbling and panel folding | Bending | Brush deburring and grinding | Cutting machining | Robot welding etc.

**Other products**
Cat ladders | Grating furniture | Tag embossing press
Expanded metal | Cold-formed Sigma beams | Surface treatment
Pallet racks | Cantilever racks | Pull-out units

See more at www.weland.se

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