One Supplier Covers It

WELAND

SHEET METAL WORKING

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> Machinery is important, but it's the combination of technology, experience, and flexibility that makes the difference. At Weland Sheet Metal Working, we have all this in abundance."

Lars Kennethsson,
Sales Manager, Sheet Metal Working,
Weland AB



Equipped for the demands of tomorrow

In the world of sheet metal working, millimetre precision is of critical importance. But in complex assignments, it's not enough to simply have advanced machinery at your disposal. You also need experience, flexibility, and the ability to handle several different processing methods within the same production run. This is the sort of expertise we have at Weland Sheet Metal Working. It's also one of the reasons Infranord chose us as the turnkey supplier for a railway project that you can read more about in this brochure. Few suppliers have the capacity to handle this type of large-scale, complex assignment in a single, cohesive production flow. But with Weland Sheet Metal Working, customers get a single supplier that is capable of taking on the tasks of both processing and surface treatment.

Co_2e data included in the quote

As a turnkey supplier, we want to make it easy for our customers to make well-informed decisions from a sustainability perspective. That's why I'm particularly pleased that we're able to provide CO_2e data at component level during the quote stage, based on production data for previously manufactured parts and calculated values for new ones.

At the same time, we're continuing to invest in our production to ensure that we can rise to the demands of tomorrow in terms of precision, capacity, and flexibility. New technology is constantly being brought online, gradually replacing older equipment. During 2026, we will be strengthening our machinery line with the introduction of a new 30 kW laser cutting machine. The investment will enable us to increase capacity and streamline our production flow. The plan is to bring the new machine into production during the autumn.

I hope that you'll find both inspiration and new possibilities within the pages of this brochure. If you have a project underway, no matter whether it's big or small, you're always welcome to get in touch. We have both the expertise and the capacity to help you every step of the way.

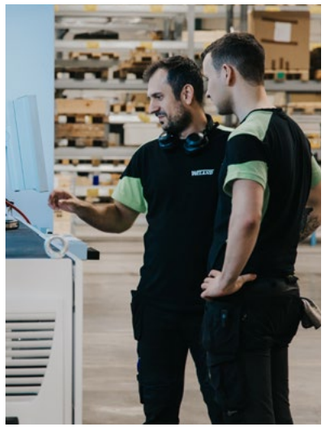
Happy reading!
Lars Kennethsson

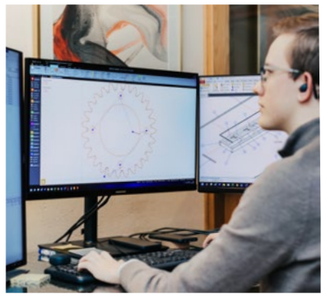


Our employees know sheet metal

Working with sheet metal is all about exactness and precision. In addition to modern machinery and digitalised manufacturing processes, you need expertise, experience, and a broad knowledge of the world of sheet metal. You will find all this amongst our team of employees.





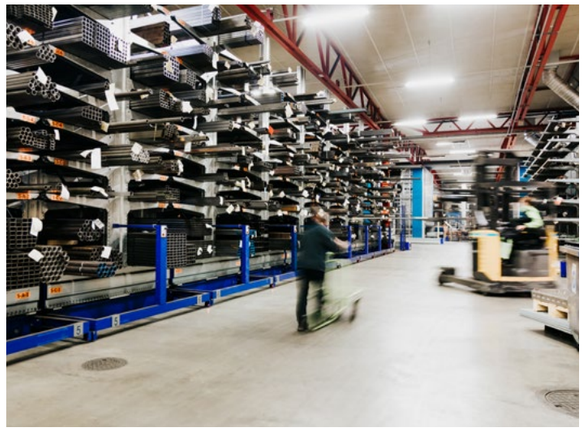


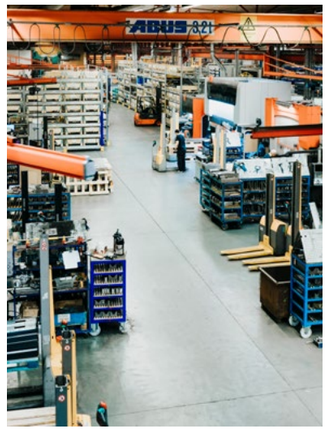
250

tonnes capacity per day

6000

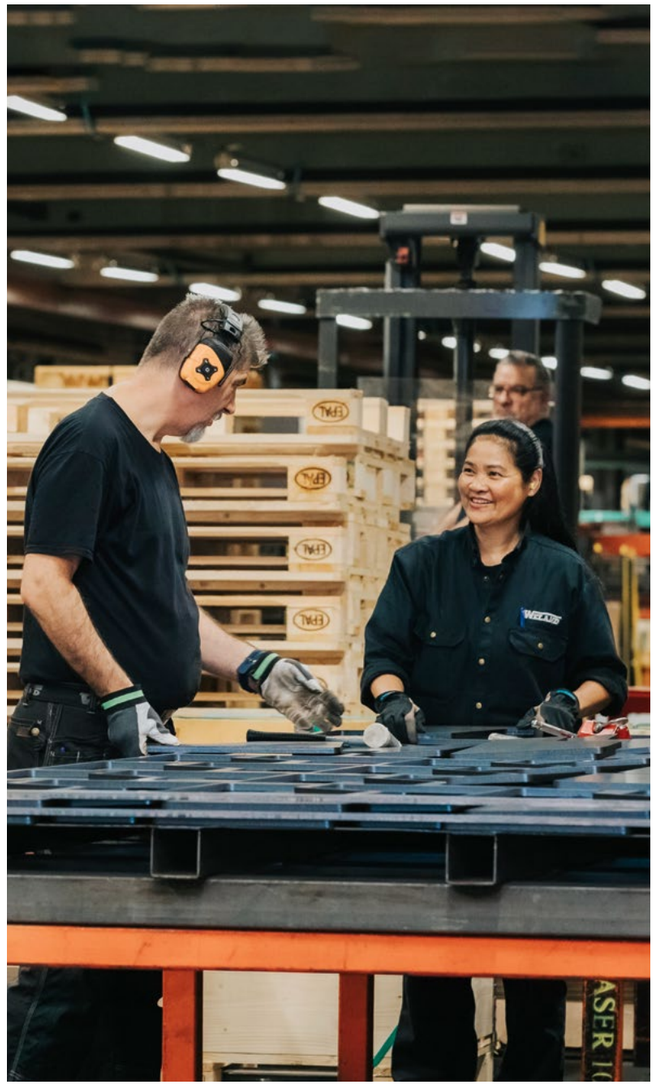
tonnes of sheet metal in stock = fast deliveries





One of the biggest players in Europe

We have modern machinery and access to a production area of more than 100,000 sq. m.







8500

storage locations



Railway project gets the green light

Throughout the railway network, the parts that carry technical equipment and signage year in year out are subject to some very stringent requirements. When Infranord needed to process and hot-dip galvanize 370 coarse pipes, Weland Sheet Metal Working was chosen as the turnkey supplier. Thanks to the company’s extensive production capacity and broad specialist expertise, the entire assignment could be handled under one roof.

CUSTOMER CASE STUDY



When Infranord needed to process and hot-dip galvanize 370 coarse pipes, Weland Sheet Metal Working was chosen as the turnkey supplier.

A line post foundation is used to anchor posts for things such as signal equipment and signage. As part of a larger railway project, Infranord has enlisted the help of Weland Sheet Metal Working to handle the processing and hot-dip galvanizing of line post foundation components. In tandem with the availability of multiple cutting methods, both plasma and gas cutting were performed in the same flow.

In below ground environments, the material needs to be protected against corrosion by means of extra thick hot-dip galvanizing. Thanks to Weland's specialist expertise in hot-dip galvanizing, the choice of material, surface preparation, and hot-dip galvanizing method could be adapted to achieve a zinc coating of 115 µm, compliant with the project specification.

– For us, it was important to have a supplier who could take ownership of the entire process, from laser cutting to hot-dip galvanization, taking into account the stringent requirements of the project. The fact that Weland was also able to keep pipes in stock and deliver them in stages made implementation of the entire project that much easier, says Mohammad Saleh, Work Lead at Infranord.

Impressive production

The delivery comprised 370 pipes with a diameter of 355 mm, a thickness of 8 mm, and a length of 4 metres. A total of almost 1.5 km of processed pipe material. Saleh, who has been on a study visit at Weland, is impressed by the company’s capacity and production approach.

– We’re delighted with the end result and how Weland optimised the delivery. Dialogue has been excellent throughout the process. Being able to get in touch with exactly the right person and obtain fast responses to any queries has made things incredibly easier, says Saleh.

Smooth logistics

Logistics have been a key element that has underpinned the entire project. Processing took place in multiple stages and after the final step, hot-dip galvanizing, components were put into store in preparation for delivery to the end customer. This has enabled the customer to take material as and when it was needed. Lars Kennethsson, Sales Manager at Weland Sheet Metal Working, highlights the comprehensiveness of the service offered at Smålandsstenar as one of the company's strengths.

– Few suppliers have the capacity to handle this type of large-scale, complex assignment in a single, cohesive production flow. By choosing to collaborate with Weland Sheet Metal Working, customers get a single supplier that is capable of taking on the tasks of both processing and surface treatment. It simplifies logistics, reduces lead times, and ensures consistent quality throughout the entire project, concludes Kennethsson.



Jimmy Karlsson, CEO of Pido

20 years is a strong endorsement

– We've been using Weland for sheet metal processing for at least 20 years, which demonstrates just how satisfied we are with our collaboration, says Jimmy Karlsson, CEO of Pido Shop Concept AB.

Pido Shop Concept plans, develops, and manufactures special furnishings and fittings for shops, warehouses, and restaurants in close collaboration with its customers.

– We're involved every step of the way, from concept to reality - if customers want us to be, says Karlsson.

Products are welded, prepared, assembled, and painted in the colours each customer chooses at the company's production facility in Hillerstorp. The task of sheet metal processing is handed over to Weland.

– They have both the modern machinery and the know-how and expertise necessary. The collaboration with Weland allows us to instead focus on what we are best at - creating functional and attractive furnishings that work for our customers, he says.

High quality is essential

Pido Shop Concept focuses on all types of industry, but supermarkets is one of the biggest.

– Our standard furnishings have been developed to withstand many years of tough use in an environment where products are continually being picked off the shelves. So high quality is essential, and it's something that both we and Weland deliver, says Karlsson, who states that their products can be found in a large number of stores operated by chains such as ICA, Coop, and Hemköp.

High quality – made in Sweden

– Our customers demand products of the highest quality and, given our history and distinguished brand, it's clear to us that those products need to be both high quality and made in Sweden. That's what Weland offers, says Andreas Ljungberg, CEO of Bäckefors-based FTG Forest.

FTG Forest is a company that provides forestry machinery for felling, transport, and refining for anyone who has the forest as their workplace. The company has been collaborating with Weland AB since 2000, and it is a partnership that has been highly successful.

– Initially, our work together was only on a small scale, but now Weland is our biggest supplier of steel and welded products, says Mari-Anne Moberg, Procurement Manager at FTG Forest.



Lars Kennethsson, who is Sales Manager at Weland Sheet Metal, explains that the biggest segment for his area of operation is the heavy vehicle industry, which includes forestry machines, dumper trucks, and wheel loaders.

– In Sweden, we are by far and away the biggest player on the market in respect of sheet metal working, he says.

A supplier you can trust

The parts that FTG Forest purchases from Weland for its cranes and forestry machines are processed, welded, and essentially ready for painting when they are delivered. It is something that saves both time and money.

– Weland Sheet Metal is a supplier that we can trust when it comes to quality, technical know-how, and deliveries, and providing service and support when we need it, says Moberg.



Anders Skogsberg, Sales Representative, and Mari-Anne Moberg, Procurement Manager at FTG Forest

Several long term and rewarding collaborative relationships



FOREQ

40,000 harvester bars per year to the European forestry industry

Weland and Foreq have been collaborating since 2010. The collaboration started with us jointly developing fixtures to manufacture a series of harvester bars for harvesters. When production started, 9,000 harvester bars a year were manufactured. Today, 40,000 harvester bars a year are manufactured by Weland AB.

We laser cut the harvester bars from 6.2 mm cold-rolled sheet (42CRMo4). Once laser cutting is complete, a groove is milled around the bar to ensure the chain stays in place. After fabrication, the harvester bars are sent to Foreq for hardening, painting, and delivery to the end customer.



ALSTOR

Machine cabs for Swedish forestry machinery

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. We started manufacturing most of the machine cab for the Alstor 833 using our fleet of machines. Sheet metal parts are laser cut and tubes in high-strength materials are bent, rolled and welded manually. The parts are ground and sand blasted, the cab is painted and then delivered to Alstor for assembly.

The collaboration has grown to encompass several parts for both the chassis and other parts of Alstor's machines.



SGA CONVEYOR SYSTEM

Track beams for automated transportation and sorting systems

SGA Conveyor Systems is a supplier of automated transport and sorting systems for internal logistics within e-commerce and industry. We have worked together with SGA for many years. It all started when SGA bought stair treads from Weland for use in its facilities. This then evolved into providing track beams for their unloading tracks. SGA was looking for a supplier that could offer laser cutting and bending in four metre lengths, something which is not all that widely available. SGA has also supplied products to Weland – a track system for a pilot project undertaken by Weland to develop a storage lift for safety equipment company Axelent.



INERO AB

Smart and effective flood barriers

Inero AB is a company that manufactures patented mobile flood barriers. Founder Ingvar Nero came up with the idea of the barriers after watching a news report about a flood. The idea led to the development of the unique barriers and the task of manufacturing them was given to Weland in 2007. It was the beginning of a collaboration that continues to this day. Sheets are punched out in a single piece and have a male side with claws and a female side with holes, which engage with each other using Nero's patented snap coupling locks.

Sustainability at Weland

The issue of sustainability has always been a key part of Weland AB's operations, reflected in a focus on things such as resource efficiency, working environment, and quality. During the past few years work has gradually evolved, been structured, and prioritised according to the areas of most importance to the company, our customers, and the wider world.

For sheet metal working, this means a continued focus on materials optimisation, energy-efficient production, and recycling of scrap metal. Work on scrap monitoring and material optimisation is now well established within sheet metal working, and forms an important part of the company's ongoing improvement work.

We have developed a way of calculating and reporting CO_2e data at component level within sheet metal working, giving customers a better basis on which to make decisions as early as the quote and planning phase. We are also continuing to invest in new technology, develop our working methods, and strengthen follow-up in areas considered to be important from both a business and sustainability perspective. This enables us to create the criteria to make our production even more resource efficient and competitive in the future.

You can read our Sustainability Report in its entirety at ***weland.com/en/the-company/sustainability***

qValify ISO 9001

qValify ISO 14001

One supplier has it all

Working with sheet metal is all about exactness and precision. This requires a high level of expertise, extensive experience, modern machinery, and digitalised fabrication facilities. We have all this at Weland AB. The possibilities are as plentiful as they are varied.
You'll find them all at Weland.

Watch a video about sheet metal processing.

Cutting with precision

We use several different types of cutting method in our production process. We help you with cutting both sheet metal and tubes. In our modern machinery park, we have the resources required to perform most metalworking processes with precision, experience, and the highest quality.



Laser cutting

Weland has a large modern fleet of machinery for sheet metal working. We have around 15 laser cutting machines in shift operation.

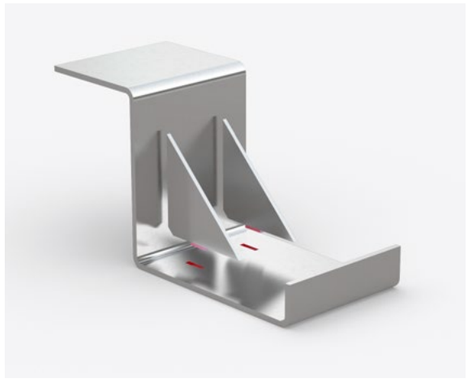
In total, we have the capacity to cut more than 250 tonnes of sheet metal per working day. We are constantly working to streamline our machinery park, and most of our machines are equipped with 30kW fibre lasers, making production faster and more sustainable.

CAPACITY

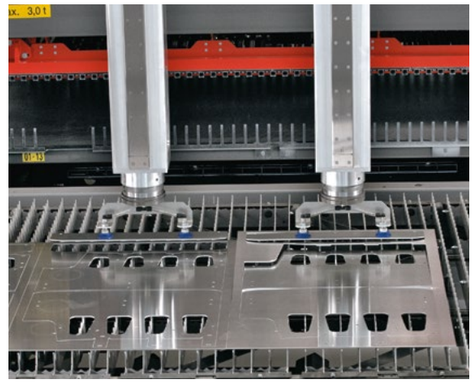
Material length:
Up to 6000 mm

Material width:
Up to 2500 mm

Material thickness:
- Carbon steel – up to 25 mm
- Stainless steel – up to 10 mm
- Aluminium – up to 25 mm



Tapping system



Laser cutting of sheet metal with robotic picking.



The laser cutting machinery has been bolstered by a new 30 kW laser machine. This investment primarily results in increased capacity and a more efficient production flow.

Prototype fabrication

Laser cutting is an excellent way to fabricate prototypes. It is a very rational method of production as no special tooling needs to be produced. We are at the vanguard of developments in this area and have invested a lot of resources in digitising our production, Industry 4.0. Our machines are integrated in and connected to our CAD/CAM and ERP systems to ensure high productivity and good availability.

Tapping system

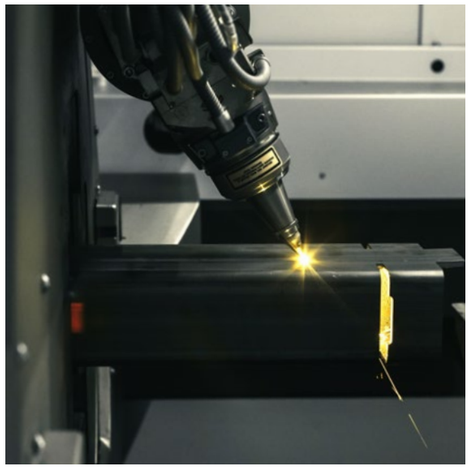
Even while parts are being laser cut, they can be prepared with tenons, mitres, notches, and holes in the material. This gives a perfect fit prior to welding without the need for expensive jigs. The tenoning facilitates the assembly and joining of the parts. You get a perfectly assembled product.

Cut surfaces and materials

The cut surfaces are completely perpendicular in laser cutting. In addition, cutting surfaces are so uniform that there is, as a rule, no need for grinding. Our machinery is constantly updated, and our most recent machines for laser cutting can handle sheet metal sizes of up to 6,000 x 2,500 mm.



Laser cutting of tubes with fixed cutting head and fitting of blind nuts



Moveable head



Jumbo cutting

Tube laser cutting

We have many years' experience and knowledge of tube laser cutting. In our production facility, there are about 20 machines that can satisfy different customer needs when it comes to processes such as threading and joint preparation.

Most of our machines are run with fibre lasers, which results in a more sustainable production. In our continuously expanding fleet of machines, we have the possibility to cut everything from small tube dimensions up to tubes that are 508 mm in diameter. When parts are being laser cut, they can be prepared with pins and holes in the material, producing a perfect fit prior to welding.

Fixed cutting head

Laser cutting of tubes with fixed cutting head is the traditional method for laser cutting tubes. The cutting head is fixed and always directed towards the centre of the tube. Section surfaces in HF HRS sections are perpendicular to the even surfaces. Cutting of indentations and cutting products is done with great precision and speed. This is a superior production method for both small and large batches. We have cutting machines that fit blind nuts after perforation.

Movable cutting head

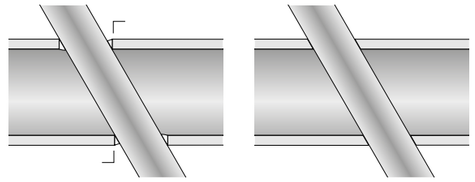
We have 9 Mazak and Adige machines with moveable heads that allow us to produce parts that could not previously be laser cut. Joint preparation for welding can be cut without finishing. Countersinks can be cut at the same time as holes are made. We also have tube laser machines for threading in machine. Tube joints "edge-to-edge" with curved surfaces are cut with great precision, which means that the surfaces fit perfectly against each other. Angled connections and tubes in different dimensions can also be produced. We have a large capacity with automatic production of materials, even for thick dimensions.

Jumbo cutting

For heavy duty and larger profiles, we have equipped our fleet of machinery with two Adige Jumbo tube laser cutters. The machines have the capacity to cut tube up to Ø 508 mm. This opens up entirely new production opportunities in the heavy duty segment, for example, the steel construction industry. In addition to round and square profiles, we can also cut oval, semi-oval and elliptical profiles, as well as rolled steel beams.



We now also offer cutting with threading and blind nuts as accessories.



In standard tube cutting, section surfaces are perpendicular to the tube's longitudinal direction.

With 3D cutting, the surfaces can be angled towards the tube's longitudinal direction

CAPACITY

Material length:
Up to 18000 mm

Dimensions:
Max. ø 508 mm or 400 x 400 mm
Min. ø 10 mm or 10 x 10 mm

Material thickness:
Up to 16 mm

Weight:
Up to 3600 kg or 200 kg/m

Tapping: M3 - M12

Blind nuts: Max M12



Waterjet cutting

Waterjet cutting is one of the alternatives, when laser cutting is unsuitable. We have many machines available, and can cut most materials and dimensions.

Our machines are equipped with six cutting heads that cut simultaneously, which contributes to a more efficient production. With a large stock of sheet metal, we can deliver with short lead times. The method is gentle to the material, since it is a cold cutting method. There are no structural changes in the edge zone due to heat effects. This also means that all types of materials can be cut, including wood, glass, natural stone, ceramic, rubber, sheet metal, and even other non-porous materials.

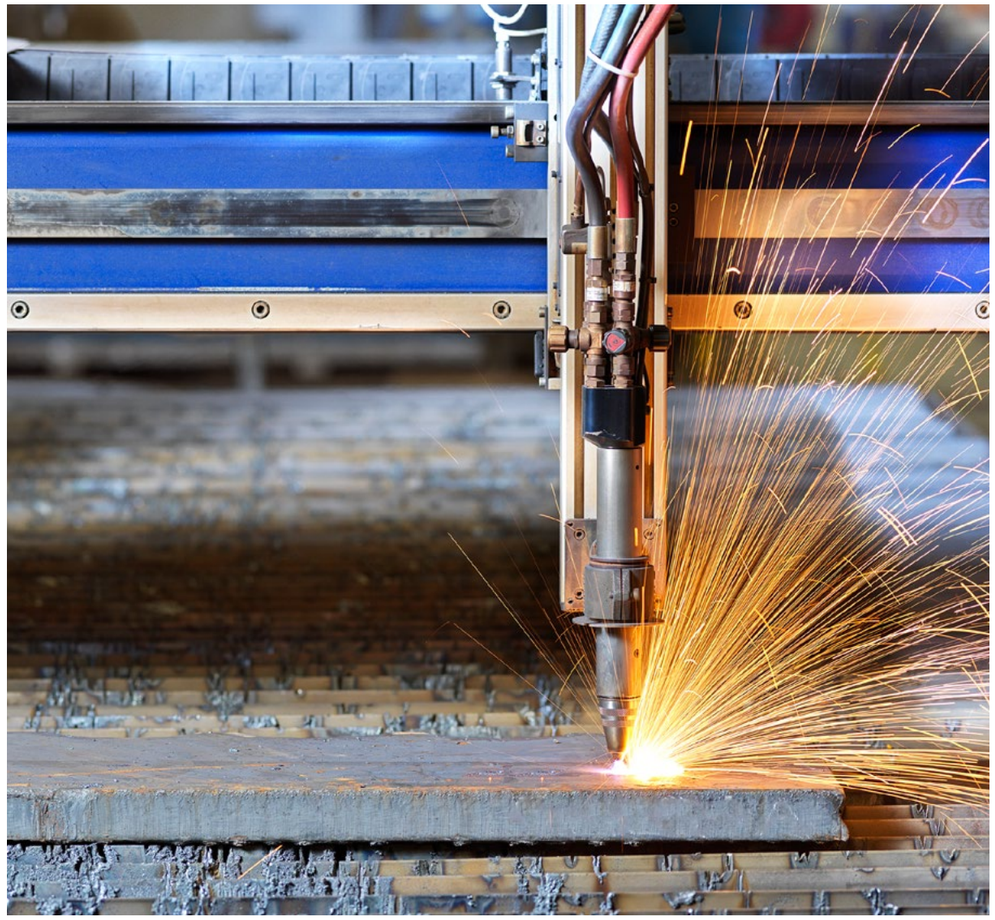
CAPACITY

Material length:
Up to 6000 mm

Material width:
Up to 4000 mm

Material thickness:
Up to 100 mm

No. of cutting heads: 6



Gas cutting

For cutting very heavy duty plate sizes, gas cutting is a good alternative. The machine can handle thicknesses up to 200 mm.

This is where we cut the really heavy-duty sheet sizes with precision and impressive speed. Four cutting heads and twin tables for setting up sheet metal provide a very large capacity. The alternative to gas cutting is plasma cutting, and the choice of which method to use is determined by thickness and requisite tolerances.

CAPACITY

Material length:
Up to 6000 mm

Material width:
Up to 2500 mm

Material thickness:
Up to 200 mm

Cutting machine:
- Messer Multiterm 5000
- 4 gas burners
- Model Alfa Torch



Plasma cutting

Plasma cutting is a good alternative for cutting medium duty plate dimensions. The machine can handle thicknesses up to 50 mm.

The machine cuts with high precision and impressive speed. A dual cutting head and double table for setting up sheet metal affords a very large capacity. One alternative to plasma cutting is gas cutting. The choice of manufacturing method is determined partly by the thickness of the material, and partly by the requisite tolerances.

CAPACITY

Material length:
Up to 12000 mm

Material width:
Up to 2500 mm

Material thickness:
Up to 50 mm

No. of cutting machines: 2 x
Model Hyperterm HPF 260



Slitting

Strip steel is slit from coils into narrower strips. We can also help with cutting to length and levelling.

We have an extensive stock of hot-rolled sheet metal in various grades and thicknesses. Our equipment for slitting coils can handle steel strip with thicknesses up to 6 mm. We can slit narrow band with a minimum width of 18 mm. The largest width we can machine is 1500 mm. In connection with slitting, we can also level and clip the steel strip. This applies for strip of all sizes with lengths up to 6 metres.

CAPACITY

Material width:
Up to 1500 mm

Material thickness:
Up to 6 mm

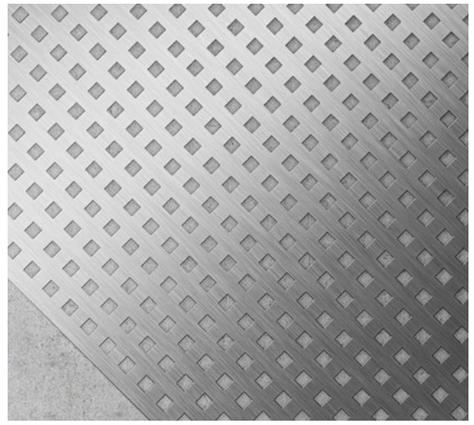
Punching in sheet metal

We can carry out punching of both sheet metal and tubes. With Sweden's most modern fleet of machinery, we support you from idea to finished product. We can work with most CAD formats and can quickly start up our production from a complete set of supporting documentation.

PUNCHING | PUNCHING USING AUTOMATIC BENDING



Automatic bending



Punched sheet metal



Hole punching with flanging

Punching with automatic bending

Our modern machine lines enable us to offer punching of sheet metal and tubes in both small and large volumes. We support you all the way from concept to finished product.

Punching affords a high level of precision and flexibility, and is a very efficient method for thin sheet metal working. We have four machine lines for punching, each with unique characteristics to satisfy the shifting needs of the market. The production lines are equipped with punch heads, angle shears, and automatic folding machines. All lines have a high level of automation and handle materials from coils or, alternatively, initial sheet metal to finished component. On the same line, we can punch, cut, shape, fold and stack parts, giving us huge flexibility with short set-up times and high precision. Panel bending affords significant time benefits compared to edge pressing. This makes punching a multi-faceted and cost-efficient method for sheet metal processing. We also offer flanging, a method where the hole is made completely cylindrical, meaning that the thread is the same throughout the thickness of the metal as opposed to a traditionally punched threaded hole that is cone shaped.

CAPACITY PUNCHING

Material length
Up to: 4300 mm

Material width
Up to 1500 mm

Material thickness
0.5 - 8.0 mm

Hole punching
Max. 9 holes at a time

CAPACITY BENDING

Material length:
- Max. length (X): 3990 mm
- Min. length (X): 285 mm

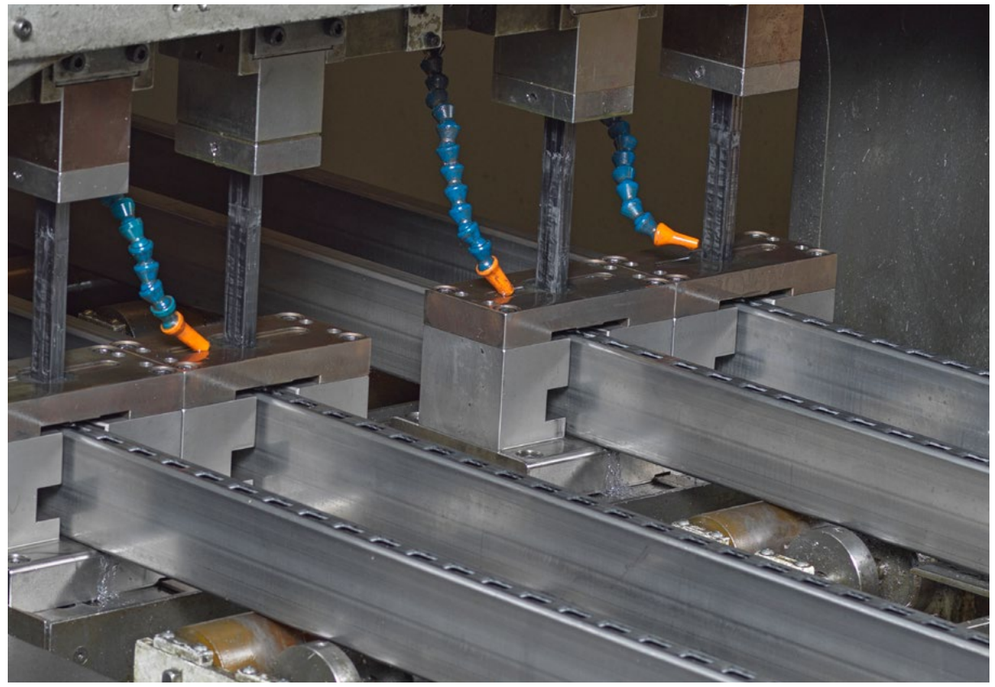
Material width
- Max. width (Y): 1524 mm
- Min. width (Y): 190 mm

Material thickness
- 0.5 - 4.0 mm
- Diagonal dimension (D) up to 4000 mm



Perforated parts for shop fittings

PUNCHING | PERFORATION LINE



Perforation line

We offer perforation of tubes in a whole host of tube dimensions and hole patterns. We can also produce special tools and customised solutions for things such as store interiors.

Our production facility features a perforation line where we perforate holes in square tubes. The powerful perforation machine can handle a number of different dimensions and perforates holes in several tubes at a time, which is a quick and rational method that enables us to shorten lead times and maintain a high level of quality. Our hi-tech expertise, in-house production facilities, and flexibility makes us a leading supplier of perforated tubes.

Weland has a large number of standard tools in a whole host of different tube dimensions and hole sizes/patterns for perforating tubes, but also fabricates new custom tools to satisfy new hole pattern or tube size requirements. This means that we can produce unique customised solutions for the perforation of tubes.

CAPACITY

Dimensions, rectangular tube:
Up to 110 x 30 x 3 mm

Dimensions, square tube:
Up to 80 x 80 x 3 mm

Tube length:
- Max. 3500 mm
- Min. 800 mm

Tube weight:
Up to 30 kg

Punching force:
15 tonnes per punch

Machining in various materials

We offer several different types of sheet metal working – post-production processing, cutting machining, bending, and welding. We have both the equipment and expertise to carry out all forms of sheet metal work, no matter whether the project is big or small. With a combination of high level of expertise and modern production technology at our disposal, we offer flexible and cost-efficient machining of sheet metal and tube constructions.



Robot cell



Tool in multi-operation machine



Drilling



Horizontal multi-operation machine
Maximum machining range: 1.7 x 1.4 x 1.5 metres
(120 different tools)



Bed milling machine
Maximum machining range: 8x2.6x1.3 metres

Cutting machining

Using our cutting processing equipment, we carry out tasks such as milling, drilling, reaming, and high precision threading.

If the precision of the laser cut holes is not sufficient, we carry out reaming or another process in order to attain the correct tolerance. Normally, laser cut holes can be threaded directly, without any other pre-treatment. Horizontal machining with rotating table makes it possible to machine from three sides in a single set-up. We have some 20 Mazak brand machines for cutting machining, including an HCN 5000 with PALLETECH. All of our machines have unique characteristics to satisfy the ever-changing needs of the market.

Thanks to our horizontal multi-operation machine, we can handle cutting machining for heavy duty and more complex assignments. The machine is equipped with 120 different tools that enable it to carry out many different types of operation in a single process. It has a maximum machining range of 1.7 x 1.4 x 1.5 metres.

Robot cell

Our three flexible machining cells afford the opportunity to make rapid changeovers for drilling and milling. As drilling and milling with short cycle times involve multiple part changes, we have produced appropriate solutions in the form of machining cells. These afford great flexibility and the possibility of making time-efficient machine changeovers. The robot cell consists of a horizontal multi-operation machine and long conveyor belts that enable buffering and thereby unmanned operation. In the cell, it is also possible to unload finished components at three pallet locations.

CAPACITY

Material length:
Up to 8000 mm

Material width:
Up to 1300 mm

Material height:
Up to 2600 mm

Tools: 120



Tumbling



Deburring

Finishing

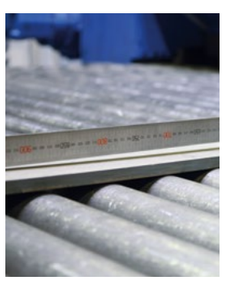
We offer tumbling, deburring, levelling, and blasting of sheet metal components. Thanks to our experience and expertise, we can determine which method is best suited to your particular business.

Tumbling

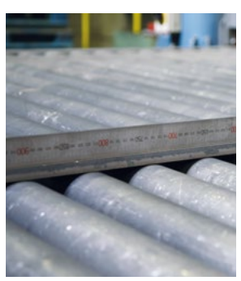
Tumbling is especially suitable for deburring small details. The components are tumbled to remove burrs and sharp edges. This method is most often used where components are to be surface treated.

Levelling

We have two levelling machines, an HRC levelling machine and an ARKU FlatMaster 120 200, which levels sheet metal components in thicknesses up to 25 mm and widths up to 2000 mm to a very high degree of precision. The levelling machines consist of a number of rollers that, through CNC control, automatically regulate roller pressure and feed in order to achieve an optimal result. Thanks to the CNC control, no adjustments need to be performed to take into account holes and indentations in the components.



Sheet metal **before** levelling



Sheet metal **after** levelling

Deburring

Components can be deburred to remove burrs and sharp edges. This is important in order to obtain good adhesion for future surface treatments, e.g. painting etc. This method simultaneously machines both the upper and lower sides.

Blasting

Blasting is an efficient way of removing dirt and/ or loose particles, and creating the conditions for effective adhesion prior to painting. Blasting is most suitable for use on larger components.

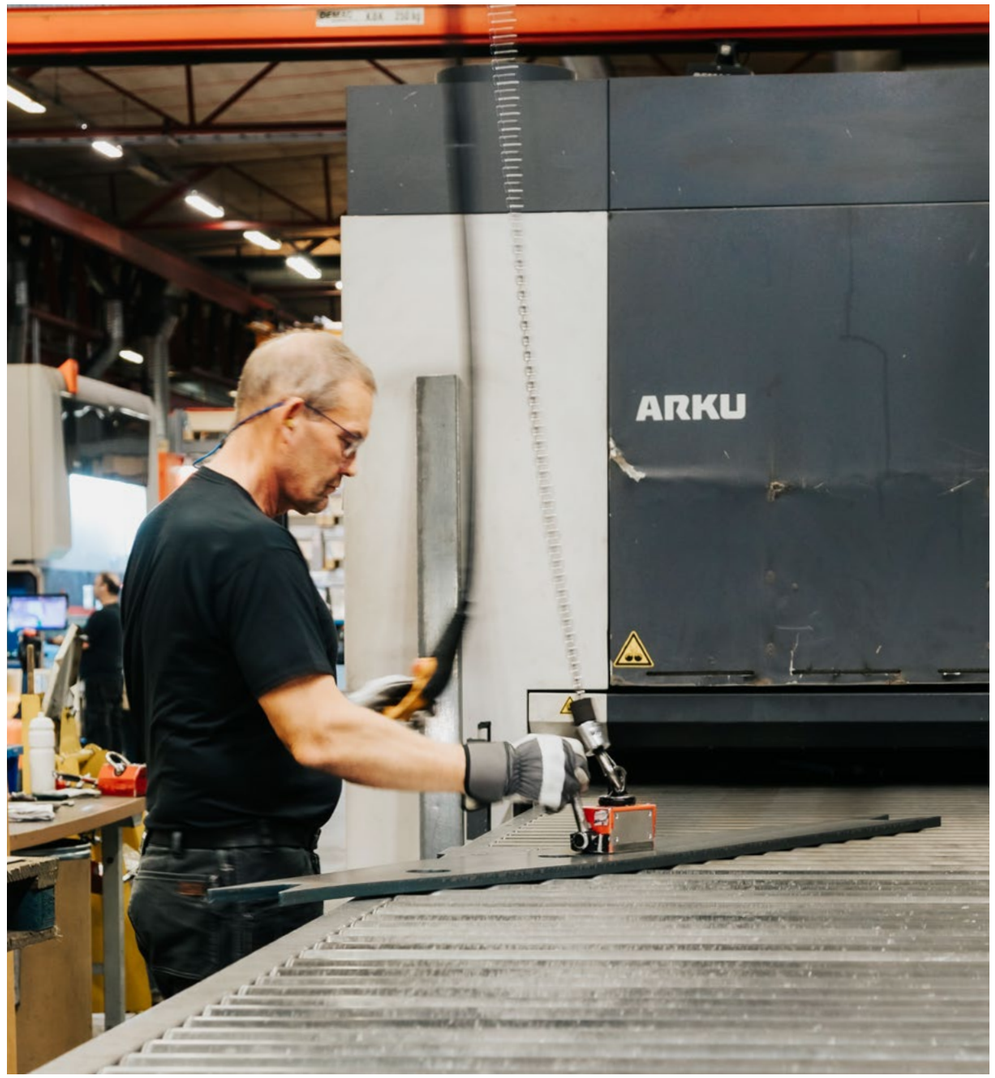
LEVELLING CAPACITY

Part thickness:
0.8 - 25 mm

Part width:
Up to 2000 mm

Level tolerance:
+/- 1 mm/m

MACHINING | POST PROCESSING

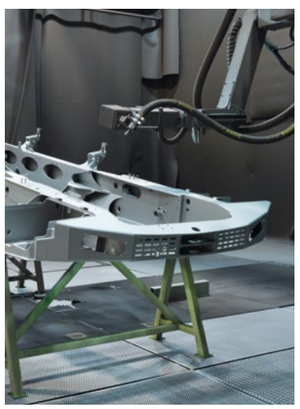


Levelling



Blasting

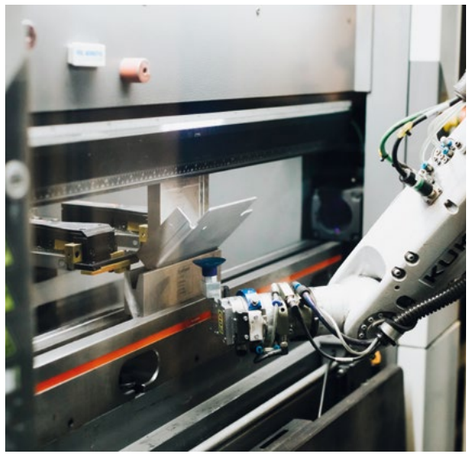




Blasting large parts



Manual bending



Robotic bending

Bending

Bending involves sheet metal being bent into the specified shape using an edge press. Edge pressing is a very important element of the sheet metal working process to ensure that we can deliver a complete sheet metal part.

Modern machines

As a company, we are at the vanguard of developments in respect of bending. Our modern machines can handle most materials and dimensions. A wide range of standard tools afford us the opportunity to quickly start production of a new project at a low cost. If you require a particular form or shape, we will produce new tools based on your exact requirements. We are more than happy to assist you with your sheet metal bending needs.

Efficient Edge Presses

Edge pressing is performed as a finishing step for one of our cutting processes. We have around 10 edge press machines in various sizes, all with CNC-controlled bending. The edge presses have capacities of between 40 and 800 tonnes. The 800 tonne press force edge press has a maximum working length of 6200 mm and features CNC control, enabling us to carry out work that very few other companies can currently handle.

CAPACITY

Press power:
Up to 800 tonnes

Bend length:
Up to 6200 mm

Tool space:
Up to 735 mm

Stroke
Up to 565 mm

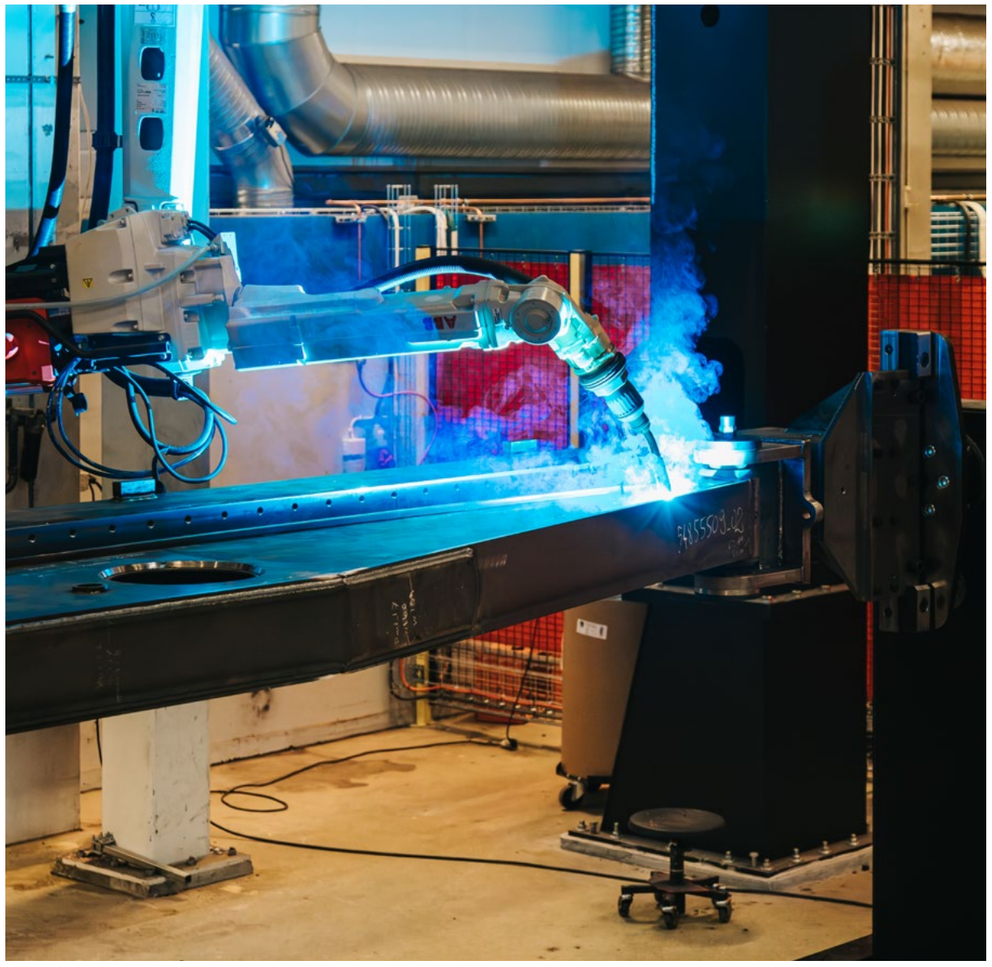
Angle measurement



CNC control



Robotic bending



Robotic welding



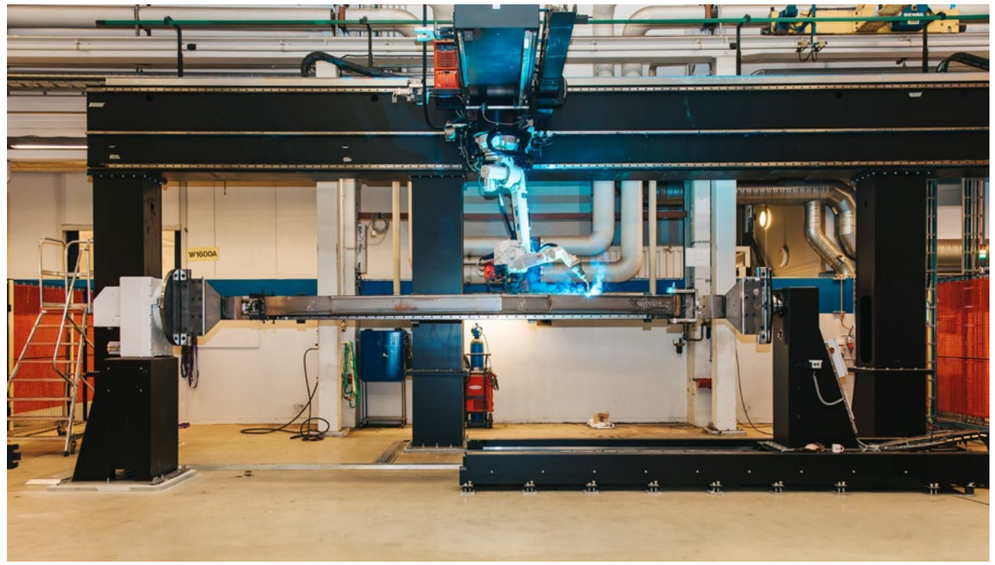
Robotic welding



Robotic welding



Manual welding



Robot cell

Welding

We are certified for both robotic and manual welding and can offer welded parts in large and small series.

Our extensive experience of mixed constructions makes us skilled in the art of adapting welding to your specific criteria, no matter whether it concerns mechanical or manual welding.

With us, you can get help with all your welding needs, all the way from concept to finished product. Our employees have extensive experience of different types of welding work. If you order finished components that are, for example, laser cut, bent, tumbled and welded by us, you are making use of our full potential. You obtain high-quality parts with full control of the delivery, because all of the manufacturing is performed under one roof. This makes us a turnkey partner and contract manufacturer.

Robotic welding

Robot welding is particularly well suited for series production and components that are to be fabricated in large volumes. We have robot welds, robot cells with high-performance robots available as well as some ten robots in various size ranges.

Manual welding

For parts that are manufactured in small series, manual welding is the best alternative. We are certified in accordance with ISO 3834-3 and carry out welding on our own premises, with welders certified in accordance with SS-EN 287-1.

CAPACITY ROBOTIC WELDING

Portal track: 25 m

Arms with robotic carriage : 2 x 2540 mm

Robotic weld: 2 x
model ABB IRB 2600ID-8/2.00

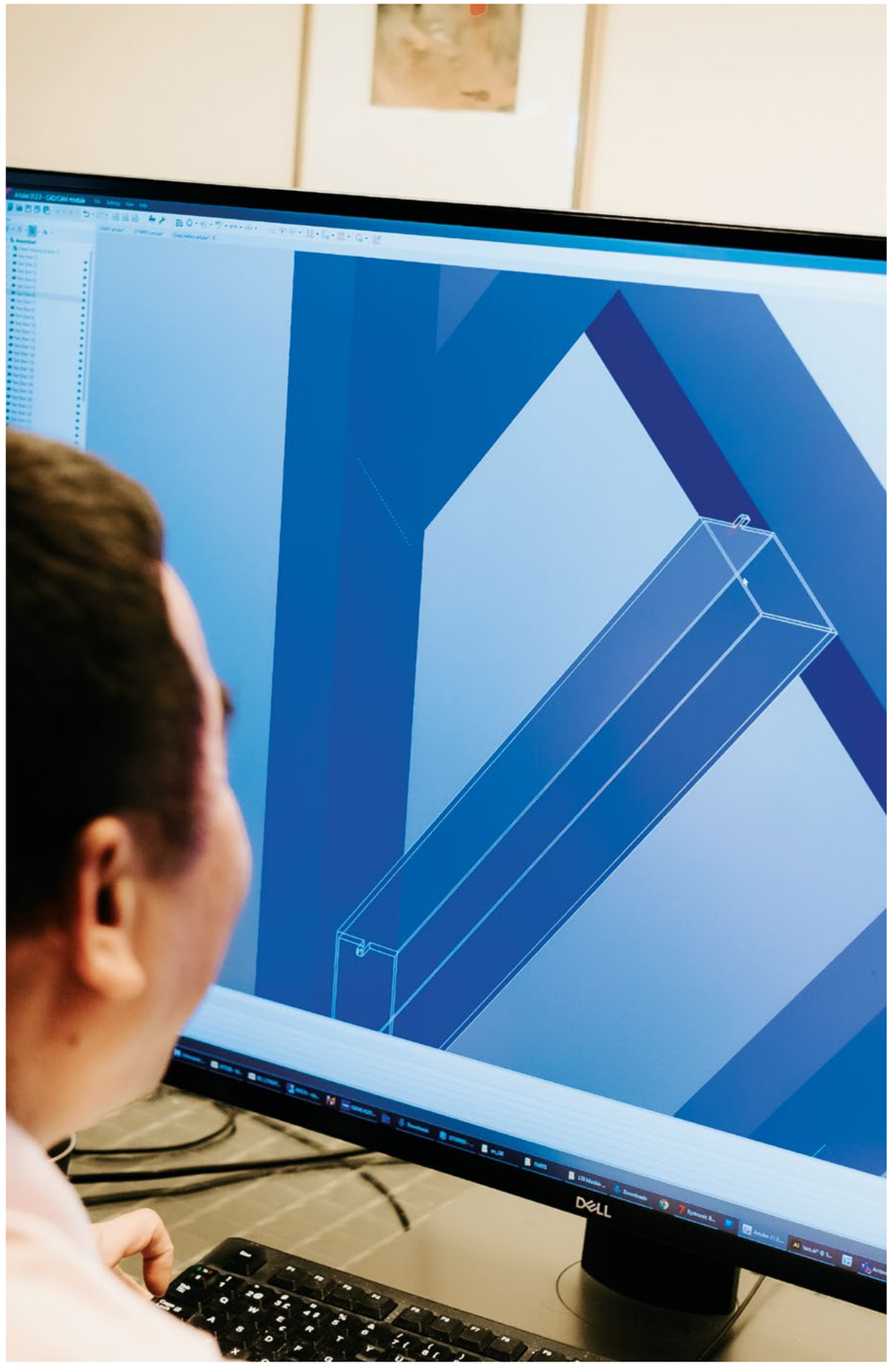
Positioners 2 x 5000 kg
travel length 2500 mm - 6500 mm

Tailstock track: 2 x.
max. travel length 4166 mm

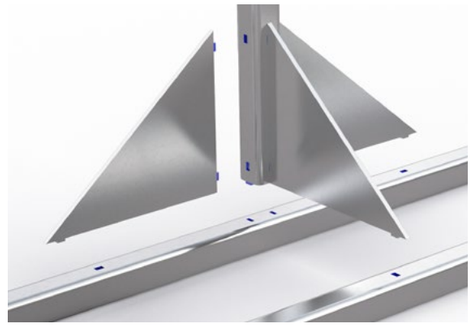
Dimensions, work piece: Up to 5000 kg,
length 6000 mm, depth 3000 mm

Other services

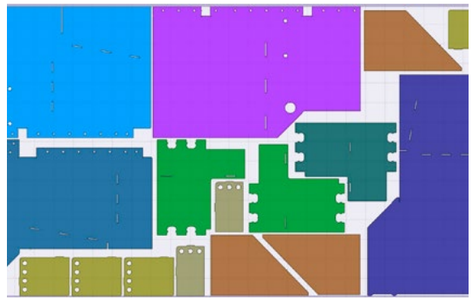
Do you need further help with your sheet metal project, in addition to cutting, punching and processing? We will be happy to help you with everything from design and drawings to control measurement, surface treatment, and final delivery of your sheet metal components. With a large stock of sheet metal and tubes in a wide variety of materials and dimensions, we can satisfy our customers' requirements for quality and offer fast deliveries. We apply various types of surface treatment on products, such as painting, hot-dip galvanization, and pickling.
We can also offer other types of surface treatment in collaboration with local partners.



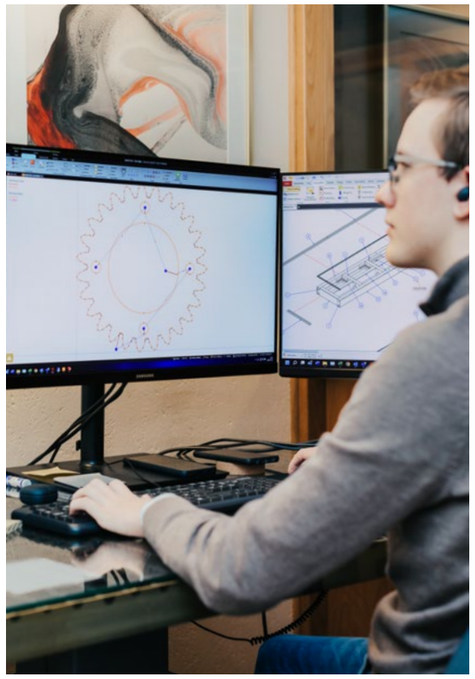
CAD model



Tenoning



Minimising waste



All programming of the laser machines is done at our drawing office.

Design

All our laser machines are programmed in our drawing office, where our staff have many years of programming experience.

The drawing office works using the latest CAD equipment, with SolidWorks being our principal tool. We help you produce drawings or will work based on drawings you have already created. Our team has programming running through their veins, enabling us to program an average of fifty new parts per day, throughout the year. The drawing office is also where we make adjustments to our in-house production, prepare material for components, and calculate cutting times.

Tenoning

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

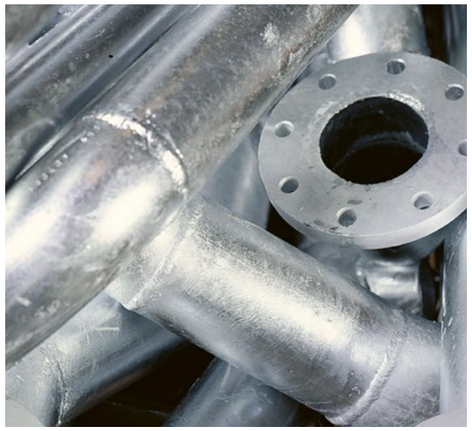
Minimising waste

We work hard to get the most out of each piece of sheet metal, or, to put it another way, to have as little wastage/scrap as possible. Our 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. All material reporting is done automatically, which means that all of our material balances are always up-to-date and we can easily monitor how much waste is generated.

All stages of the production chain are subject to careful control and we work in accordance with the ISO 9001 quality management system. We are also environmentally certified in accordance with ISO 14001.



Painting



Hot-dip galvanization

Surface treatment

We carry out surface treatment of our products in our in-house surface treatment facilities. We work with surface treatments such as priming, final painting, blasting, and hot-dip galvanizing.

Because we control the process and have extensive experience of surface treatment methodologies, we can guarantee a high level of quality. It also means that we can offer our customers a finished product that exactly matches their requirements.

Powder coating is done at Weland AB, whilst subsidiary Weland Welded Components AB carries out wet painting. Zinken Weland AB handles hot dip galvanizing of steel. Which is the best option depends on how and where the product is to be used.

Painting

In order to satisfy our customers' varying needs and requirements, we offer our products in both primed and fully painted versions. Surface treatment work is carried out in modern and efficient painting facilities. Because we have access to large premises, we can work on bulky objects measuring up to 10 x 10 metres for both blasting and painting. You can choose any standard colour.
Powder coating produces a very good finish and is particularly suited for products that are to be used indoors. Wet painting is, in many ways, a sustainable alternative that is suitable for use with products that require a durable surface treatment but cannot be hot dip galvanized.

For wet painting, Weland Welded Components AB works using Polane paint, which is able to achieve good coverage with only a small amount of paint.

This makes it an environmentally sustainable alternative, whilst the low amount of paint required means that it dries quickly. Wet painting using Polane is the perfect choice for products that are to be used outdoors but which, for various reasons, cannot be hot-dip galvanized.

Hot-dip galvanization

Hot dip galvanization affords the best level of rust protection and is therefore particularly good for steel products that are to be used outdoors. We can also paint a product that is hot dip galvanized so that it blends into a specific environment.

Products that are hot dip galvanized are dipped into a zinc bath containing 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. Zinken Weland AB, which is the company responsible for carrying out this work, has a modern hot-dip galvanization facility located in Ulricehamn.

Pickling

When stainless steel items are welded and ground, the surface layer of the metal is damaged. If these areas are not treated by pickling, there is a significant risk of corrosion developing. To restore the surface and obtain satisfactory corrosion resistance, the product has to be pickled.



Painting



Measurement arm



Measurement table



Control measurement



Manual check measurement

Control measurement

We place great focus on quality in our production process. For that reason, we also employ top class check measurement.

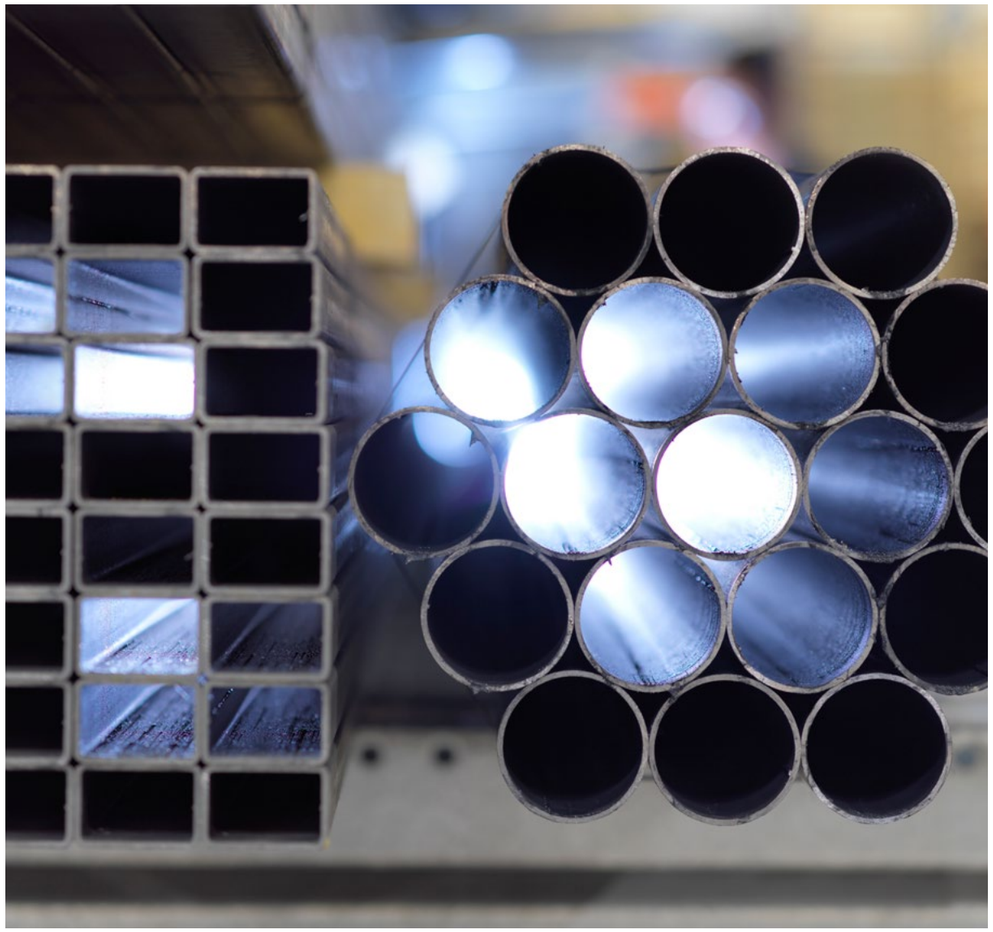
Our quality control department has measuring equipment of the absolute highest class at its disposal. In our measurement room, we have, among other equipment, CMM measuring equipment of impressive dimensions. The solid measurement machine measures a full 5 x 2 metres and weighs 19 tonnes. We can measure details in size up to 4 x 1.5 x 1.2 metre with a precision of 3.5 µm + L/300.

In addition to the CMM equipment, we also have a mobile measuring arm that affords more flexible measurement. The range is 3.5 m and it is equipped with a 3D laser scanner.

CAPACITY

Measurement machine
- Up to 4000 x 1500 x 1200 mm
- Accuracy: 3.5µm + L/300

Measurement arm
- Range 3500 mm
- Equipped with a 3D laser scanner



Square and tube profiles

Sheet metal and tube stock

We have an extensive stock of sheet metal and tubes in many different material grades and dimensions.

To enable us to meet our customers' demands for quality and prompt delivery, a very comprehensive stock is required. We always have at least 6,000 tonnes of sheet metal in stock, in most grades and thicknesses. These include cold-rolled sheet metal from 0.5 to 3.0 mm, hot-rolled pickled sheet metal S355 MCD - S700 MCD from 3 - 20 mm and stainless steel 1.4301 and acid-resistant 1.4404 from 1 to 15 mm. In addition, we also keep large stocks of high strength thick plate, type S690QL and S890QL.

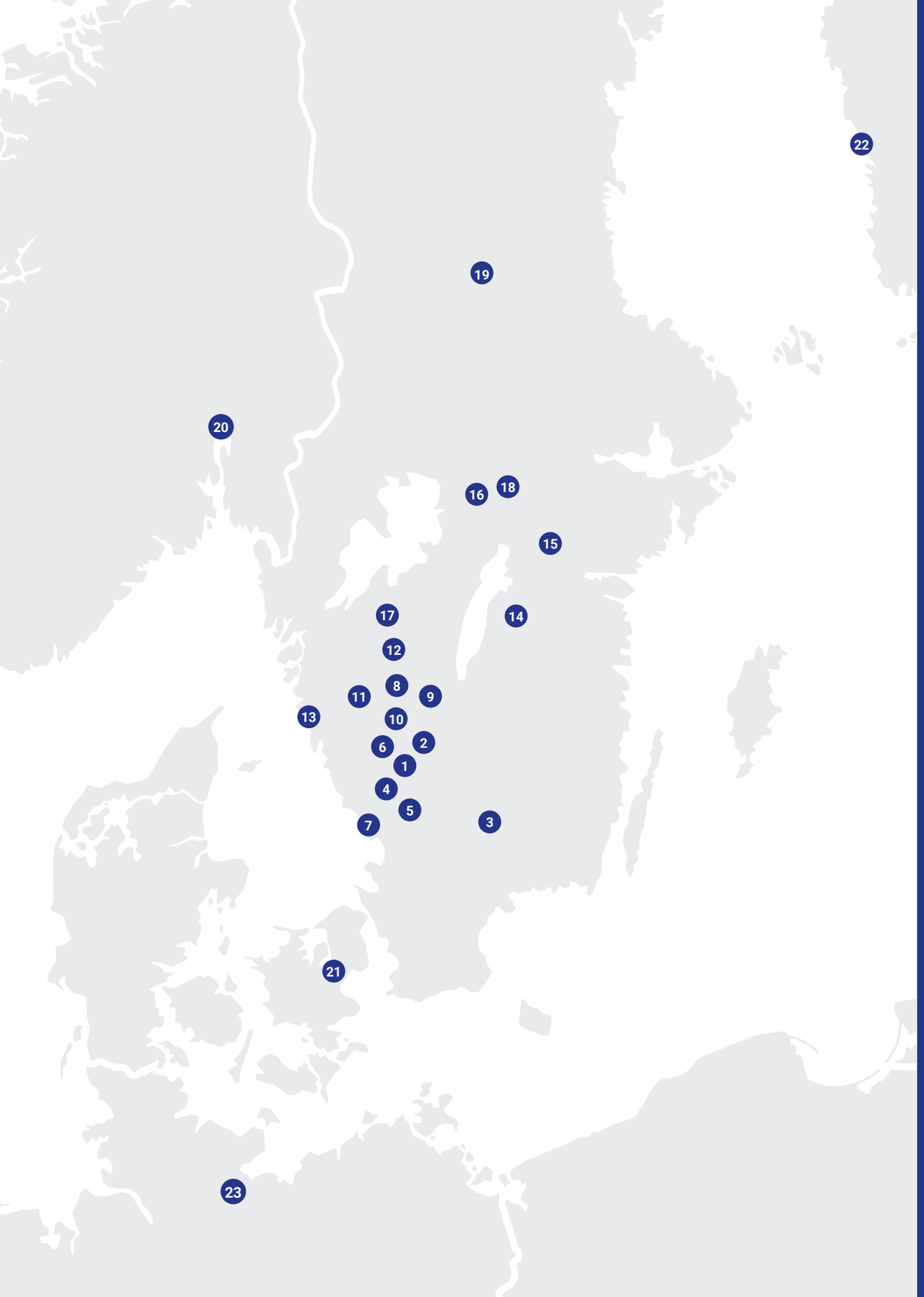
In addition to the above, many other grades of sheet metal and dimensions are also available.

Tube and square profiles

We also have a comprehensive range of tube stock in various sizes 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.



Tube stock



Together we are **The Weland Group**

The Weland Group is family-owned and the majority of our companies are geographically located in southern Sweden. The common feature of all the companies is that they produce and sell Swedish-made products. The majority of our companies work with steel - a material that lasts for generations and can also be recycled over and over again. Although most of our customers are located in Europe, we also have companies within the group that have the whole world as their workplace and market.

1. Smålandsstenar
Weland AB
Weland Design™
Weland Plastic AB
Weland Medical AB - WeLoc
AB Ivar Petterssons
Järnmanufaktur

2. Gislaved
Weland Solutions AB
Weland Industricentrum AB

3. Alvesta
Weland Aluminium AB
Weland Utemiljö™
Weland Golf™
Weland Trafikmiljö™

4. Hyltebruk
Bendex AB

5. Lidhult
Weland Welded Components AB

6. Håcksvik
AJAB Smide AB

7. Halmstad
Industrireklam i Halmstad AB

8. Ulricehamn
Weland Stål AB
Zinken Weland i Ulricehamn AB

9. Bottnaryd
Weland Plåt AB
Momec AB

10. Tranemo
MST Automation AB

11. Borås
Maku Stål AB

12. Floby
Floby Durk AB

13. Mölndal
AT Installation AB

14. Mjölby
Hogstad Aluminium AB
Plåtmodul i Mjölby AB

15. Rejmyre
Häfla Bruks AB

16. Fjugesta
Kåbe-Mattan AB

17. Kvänum
Rotage AB

18. Örebro
Andon Robotics AB

19. Mora
Per Wikstrand AB

20. Frogner
Weland AS

21. Taastrup
Weland & Sønner A/S

22. Ulvila
Weland OY

23. Lübeck
Weland GmbH

Discover our total offering on our website.



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