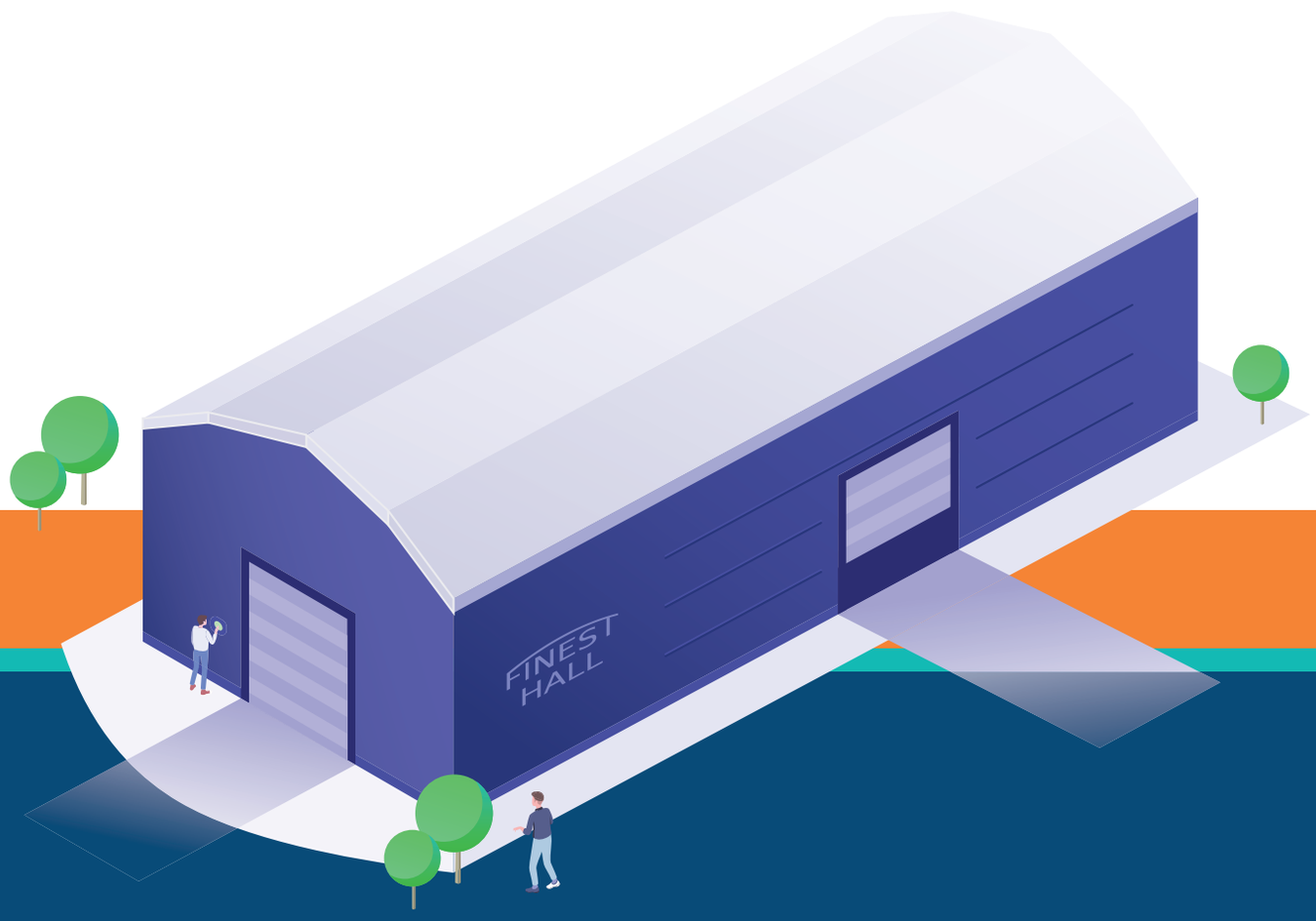
FINEST HALL

Finest quality to cover everything



FINEST-HALL

QUALITY - EXPERIENCE - PROFESSIONALISM - RELIABILITY

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FINEST-HALL



FinEst-Hall Factory OÜ is a family business founded in 2010 that has grown into Estonia's largest production and installation company for PVC halls.

Our main activity is designing, producing, and installing high-quality PVC halls for industrial, agricultural, and logistics companies. The company's production is located in Rae rural municipality, in the Tallinn Ringtee Tehnopark, where we completed a specially built modern production building in 2022. The production process uses modern technologies and materials to ensure the durability and functionality of PVC halls in all weather conditions.

The team currently employs 32 people, all of whom share a commitment to quality, reliability and long-term partnership. Thanks to our professional, experienced team, we offer customers comprehensive solutions from initial consultation to delivery of the finished PVC hall.





Fast and mobile

PVC hangars are the fastest, simplest and most economical way of expanding your activity when you need space for storage of goods, materials or machinery. A PVC hangar is essentially a mobile solution, meaning that it can be moved, relocated, and expanded up to thousands of square metres. If you see that your business is growing fast and may need more space in a few years' time, it is wise to build hangars with the possibility of extending them later. On the other hand, if you no longer need the building, you can easily take it down, resell it and put it up elsewhere.

A turnkey solution

We offer full service: we design, produce, install, perform maintenance, relocate and expand hangars. We control all stages and processes in-house. We build production and warehouse hangars to suit customer preferences as well as other PVC products ranging from curtains to pool covers.



Certified quality

In light of local conditions in regard to snow and wind loads, our hangar frames are galvanised and produced of strong steel profiles, which enables the structures to withstand even the worst weather. After the frame has been installed, the hangar is covered with fire-resistant and durable PVC covering. We use only high-quality PVC material that withstands weather and does not pose a fire hazard.





This material meets the following requirements:

- **Tear strength** (**DIN 53363** // **550**/**550 N**) shows the force at which the material breaks (tears) and determines the material's resistance to wind.

- **Tensile strength** (**EN ISO 1421** / **DIN 53354** // **4000**/**4000 N**/**5cm**), indicates the stretchability of the material. If the wrong material is used, as a result of the stretching of the cover, PVC starts to collect snow, water, ice and causes many problems when using the building. In addition, it requires annual tightening of the cover, which is a large additional cost for the customer and ends with the need to replace the cover when the tensioning soil is exhausted.

- **Temperature resistance** (**SFS-EN 1876-1** // **-35 °C**) shows under which conditions PVC material can be used. Since Estonia is a Nordic country and temperatures sometimes even drop below -30C, the material must withstand these conditions. Many PVC materials are manufactured for warmer climates, and if they are not frost-resistant enough, they can break in extreme sub-zero temperatures, whereas for example France in most cases has a lot warmer temperature (except the mountain areas, where conditions are similar to Nordic requirements), the PVC fabric has to withstand extreme heat conditions and have UV protection.

- **Fire resistance** (**EN 13501-1** / **DIN 4102** // **C-S2,d0**) indicates whether the material has been made fire-resistant, for example, to sparks generated during welding or metal cutting. It is not possible to set FR material on fire with matches or a lighter - as long as you give the material a direct flame it will burn, but if you extinguish the flame, the PVC material will also go out immediately. It also prevents someone from setting the building on fire with lighter fluid.

All our products are CE, EN ISO 1090 and EN ISO 3834 certified. CE

Quality and guarantee from Finest-Hall!

WE GUARANTEE

Reliability

The galvanised steel frame and durable PVC covering ensure an absolutely reliable construction that is resistant to all weather conditions. The PVC fabric (**900g/m²**) can withstand any snow and wind load and has been tested in the harsh Scandinavian climate.



Individual approach

We design PVC hangars tailored to your needs, with different designs, different sizes, with the possibility of providing additional storage or production space for temporary or long-term use.



Optional accessories

Possibility of connecting additional options: **ventilation, rack systems, water supply, electricity, automation.** Automatically opening doors when a car approaches. **Automatic lighting** with **low light and motion sensors** or **humidity** and **temperature sensors** that switch on the ventilation in case of low humidity levels or excessive temperature rises. **Automatic fire alarm system** to ensure uninterrupted and optimised operation of the building. Creating comfortable and modern working conditions according to the needs of the users.



SERVICES



Installation - the factory–made hangar modules are assembled on the construction site. Installation is by crane. Each full arch is fixed into position by anchoring it to plate foundations which are driven into the ground with steel piles. Usually, the customer prepares the surface underneath the hangar, but if needed, we can also provide asphalting or concrete work for the base. We can also provide furnishings for warehouse buildings.

Maintenance and covering replacement - we provide maintenance services for installed hangars. We clean, repair and, if necessary, replace broken PVC covering. We make sure that our customers receive rapid assistance. In order to ensure the safety or our projects, we are prepared to take responsibility for inspections, maintenance and repairs of hangars.

Relocation and extension - hangars consist of modules and are installed on the asphalt with steel stakes. Later it can be removed, extended and moved. Because we know that your company is growing rapidly and may need more space a couple years on, it is wise to build hangars with the option of extending them later. And if needs decrease, the hangars can easily be dismantled, sold off, and erected elsewhere.

Used PVC hangars - we can help with purchase and sale of used hangars.

Rent - we offer rentals of PVC hangars for short and longer periods.

PRODUCTS

Solar hangar - a PVC hangar with solar panels is a good solution to make good use of the existing roof space and have it generate electricity for oneself locally for production as well as for sale to the grid. The energy produced can be used, for example, to run a fleet of equipment or for heating.



Bulk material hangar - a bulk material hangar is a PVC hangar or warehouse designed for the storage of bulk material (sawdust, pellets, grain, rapeseed, rapeseed oilcake, peas, fertiliser, etc.). The special feature of the bulk material hangar is that the structure of the hangar is designed to support the load generated by bulk material and the loaders. The walls of the hangar are covered on the inside with wood, plywood or concrete panels, and bulk material can be stored up to five metres high.



Tunnel shelter - this is a type of PVC shelter designed to be used as a shelter for animals.



Awning - since an awning generally has one open wall and access from the side, these buildings can be registered as structures, which means a simpler procedure in the building register.





Advantages of canopies over PVC hangar:

- a canopy can be installed next to a fence;
- a canopy can be used for dividing the territory;
- a canopy can be installed on the side or end of a building.

FINEST HALL

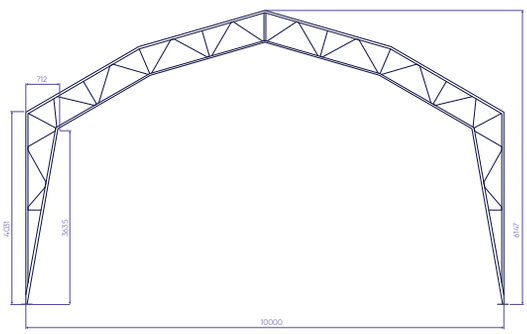
MEASUREMENTS AND TECHNICAL DATA

PVC hall Structures

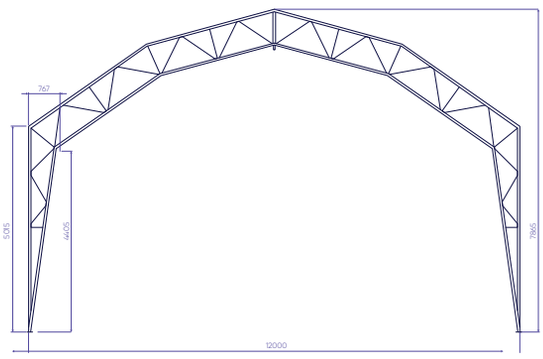
The structures are made of steel profiles and are galvanised. After the frame has been installed, the hangar is covered with a weather-resistant PVC covering.

PVC covering

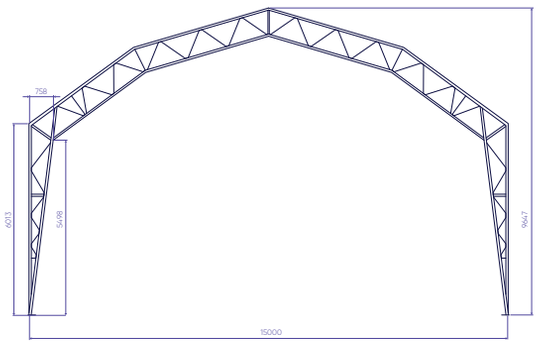
- We use fire-resistant and UV-resistant coverings with a weight starting at 900 g/mÇ.
- The inner covering is of the same type, but it weighs 500 – 650 g/mÇ.



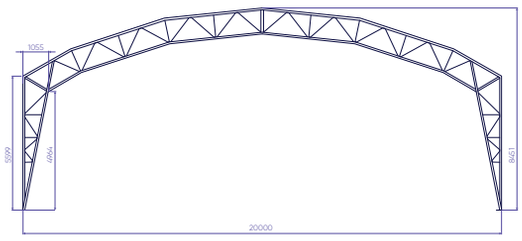
Width of the hangar: 10 m
Height of the eave: 4 m (can be adjusted)
Overhead door (max. 4.0 x 4.0 m).
The number of doors can be selected/changed according to your needs, and a pass door can be added.



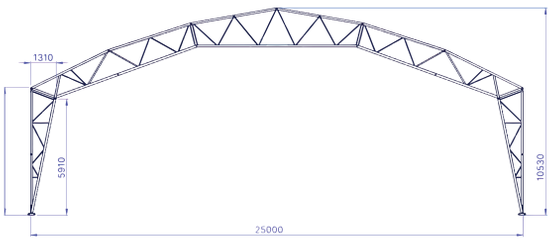
Width of the hangar: 12 m
Height of the eave: 5 m (can be adjusted)
Overhead door (max. 5.0 x 5.0 m).
The number of doors can be selected/changed according to your needs, and a pass door can be added.



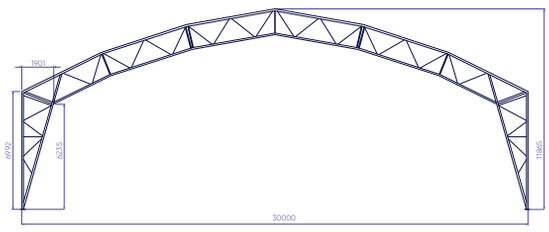
Width of the hangar: 15 m
Height of the eave: 6 m (can be adjusted)
Overhead door (max. 5.0 x 5.0 m).
The number of doors can be selected/changed according to your needs, and a pass door can be added.



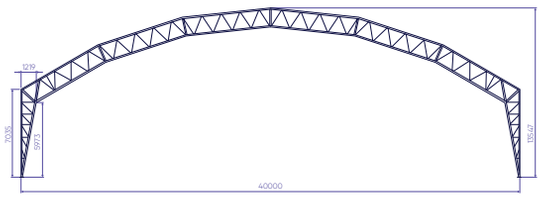
Width of the hangar: 20 m
Height of the eave: 5 m (can be adjusted)
Overhead door (max. 5.0 x 5.0 m).
The number of doors can be selected/changed according to your needs, and a pass door can be added.



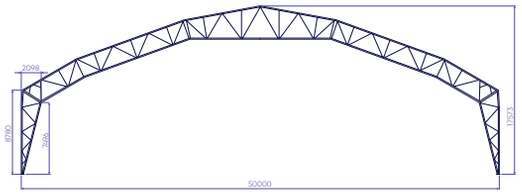
Width of the hangar: 25 m
Height of the eave: 5 m (can be adjusted)
Overhead door (max. 5.0 x 5.0 m).
The number of doors can be selected/changed according to your needs, and a pass door can be added.



Width of the hangar: 30 m
Height of the eave: 7 m (can be adjusted)
Overhead door (max. 5.0 x 5.0 m).
The number of doors can be selected/changed according to your needs, and a pass door can be added.



Width of the hangar: 40 m
Height of the eave: 7 m (can be adjusted)
Overhead door (max. 5.0 x 5.0 m).
The number of doors can be selected/changed according to your needs, and a pass door can be added.



Width of the hangar: 50 m
Height of the eave: 8,8 m (can be adjusted)
Overhead door (max 5,0 x 5,0 m)
The number of doors can be selected/changed according to your needs, and a pass door can be added.

Awning Structures

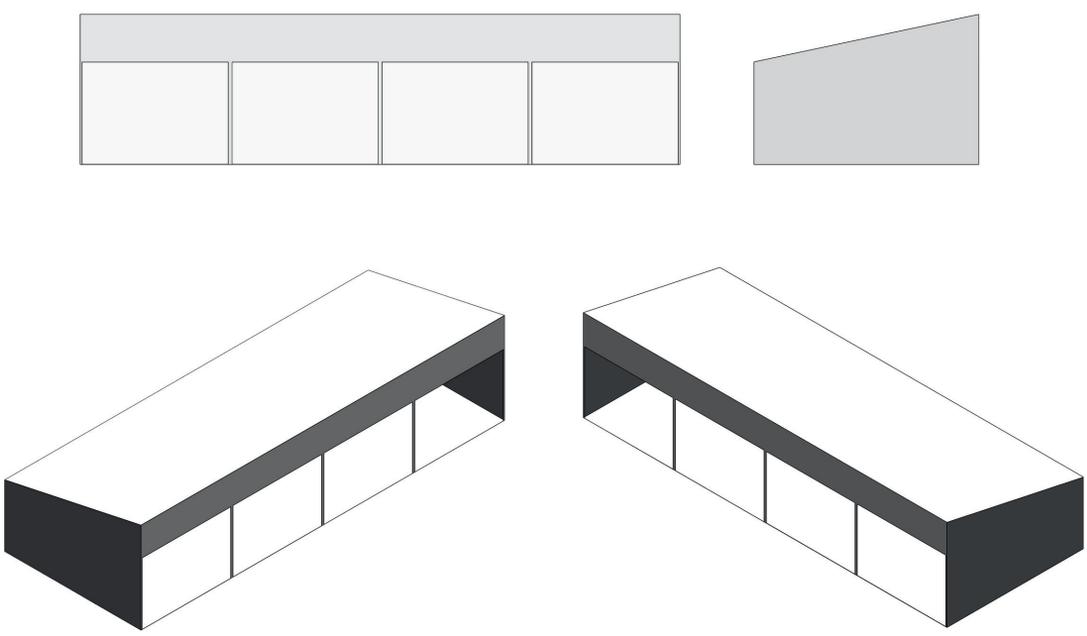
The structures are made of steel profiles and are galvanised. After the frame has been installed, the hangar is covered with a weather-resistant PVC covering.

PVC Covering

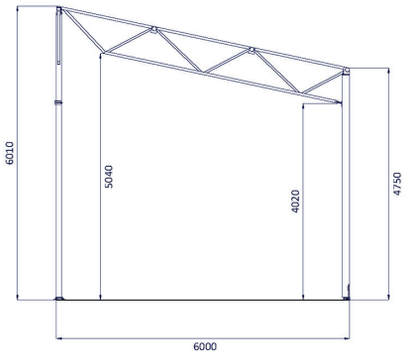
- We use fire-resistant and UV-resistant coverings with a weight starting at 900 g/m².
- The inner covering is of the same type, but it weighs 500 – 650 g/m².

Doors

The most popular door options for awnings are steel-framed sliding doors and PVC fabric curtain doors, but it's also possible to install automatic or manual overhead doors if needed.



Awning | Different views



Awning width: 6 m

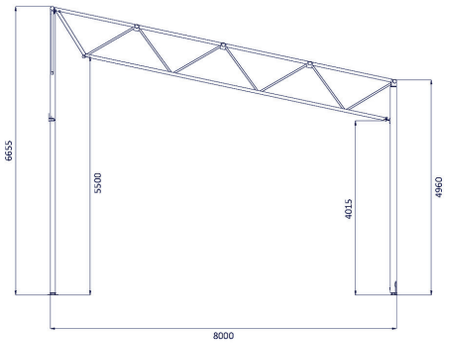
Front height: 6 m (can be changed)

Rear height: 4.8 m

Clearance height: 4 m

* Different heights possible

* The number of doors can be selected/changed as desired, a pedestrian door can be added.



Awning width: 8 m

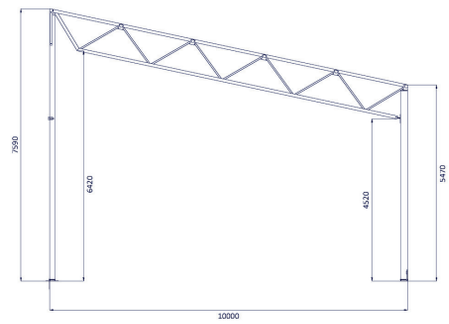
Front height: 6,6 m / 7,6m (can be changed)

Rear height: 5 m / 6 m

Clearance height: 4 m

* Different heights possible

* The number of doors can be selected/changed as desired, a pedestrian door can be added.



Awning width: 10 m

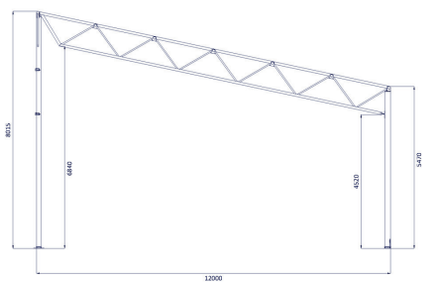
Front height: 7,6 m (can be changed)

Rear height: 5,5 m

Clearance height: 4,5 m

* Different heights possible

* The number of doors can be selected/changed as desired, a pedestrian door can be added.



Awning width: 12 m

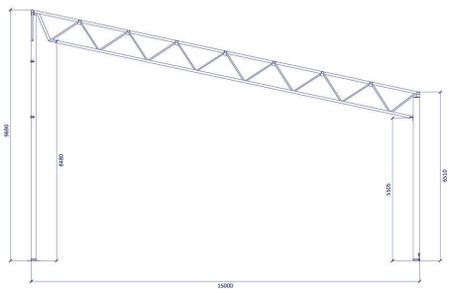
Front height: 8m (can be changed)

Rear height: 5,5 m

Clearance height: 4,5 m

* Different heights possible

* The number of doors can be selected/changed as desired, a pedestrian door can be added.



Awning width: 15 m

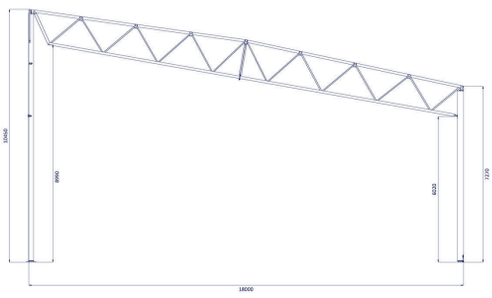
Front height: 9,7 m (can be changed)

Rear height: 6,5 m

Clearance height: 5,5 m

* Different heights possible

* The number of doors can be selected/changed as desired, a pedestrian door can be added.



Awning width: 18 m

Front height: 10,5 m (can be changed)

Rear height: 7,3 m

Clearance height: 6 m

* Different heights possible

* The number of doors can be selected/changed as desired, a pedestrian door can be added.

MANY OPTIONS FOR DIFFERENT USES

We build hangars to suit customer preferences and needs. The possibilities are basically endless. We can also develop custom solutions that are right for you.

Areas Of Use:

- **Agriculture** – livestock, storage of grain, rapeseed, hay and animal feed. Protection of agricultural machinery.

  PVC hall protects tractors, combines and excavators from weather conditions and helps maintain their value.

  * It is important to consider the dimensions of the machines – correctly planned doorways make maneuvering with heavy equipment comfortable.

- **Production facilities & Construction**

  A strong structure and additional solutions such as loading ramps, conveyors or bridge cranes create a solid foundation for the production area.

  * When it comes to the production area, ventilation should definitely be considered – sufficient air circulation considering the people working in the hall.

- **Sales floors, Warehouse spaces & Logistics**

  * It is important to plan the locations of doors and shelves, loading nodes and movement routes. In addition, consider aisles and turning radius for forklifts, and plan zones (e.g., reception, picking, delivery point).

  * For both sales and warehouse space and logistics centers, you definitely need to think about ventilation – sufficient air circulation considering the people working in the hall and the moisture resistance of the goods.











- **Ports** - storage of bulk goods, equipment and other port goods, protection from the weather.

  In a seaside environment, high humidity and salty air must be considered, which is why proper corrosion protection of structures is important. For moisture-sensitive goods, consider ventilation and, if necessary, air drying.



- **Waste management** - reception, sorting and storage areas for materials to be sorted, recyclable materials and waste.

  Ventilation, dust, moisture, and fire safety requirements must be considered in the design, depending on the material handled.

  * It is important to plan sufficient space for both sorting and handling equipment and loading equipment and to ensure safe movement routes.





- **Forestry & wood industry** - storage of lumber, wood chips and pellets.

  * A dry and well-ventilated environment is important, hall openings and movement routes should be planned accordingly to support forklift lifting and loading access.



- **Special solutions & leisure** - sports halls, riding arenas, event and exhibition spaces.

  * Proper ventilation and lighting are important. You definitely need to think about escape routes and the heating system.







A professional approach to the development and design of PVC hangars ensures a successful end result. The hangars are durable and safe. PVC hangars are designed to withstand harsh northern weather conditions. We are certified according to EN-1090 standards and as a certified manufacturer we issue declarations of performance and CE marking for our products.

The PVC textile we use as the covering is practically maintenance free and does not pose a fire hazard. It also has a longer service life than many other coverings.

FINEST HALL

METAL PROCESSING

Tube laser

Fully automatic part loading process, laser cutting and unloading of finished tubular parts, with high flexibility and productivity.

High productivity Lasertube system ADIGE LT8.20. 3D fibre laser for processing pipes and open profiles with a laser beam.





The Lasertube system can process the following profiles:

- **ROUND tube**: – 12 – 220 mm
- **EQUILATERAL tube**, 12 – 200 mm
- **RECTANGULAR tube** ja **FLAT OVAL** shape, must fit within the imaginary circle of a diameter not exceeding *280 mm,* with a minimum side of *20 mm* and a maximum side of *200 mm* and a maximum side spacing of *152,4 mm*
- **HEA** 100 120 140 160; **HEB** 100 120 140; **IPE** 80,100,120,140,160,180,200;
- **RIB STEEL**: 40 x 5 to 200 x 12 mm;
- **C-, U-Profiles**: 30 x 20 kuni 200 x 150 mm, must fit within the imaginary circle of a diameter not exceeding *280 mm;*
- **L-Profiles**: 30 x 20 to 150 x 150 mm or 200 x 120 mm;

FINEST
HALL



We can produce parts with the following dimensions using a tube laser:

- Maximum part length 8,500 mm
- Maximum weight 40 kg/m.
- Positioning accuracy tolerance Pa: +/- 0.1 mm

Material type:

- Steel
- Stainless steel
- Titan

Plasma Cutting

Thermal cutting of sheet material at high temperature and with ionizing radiation

- Thickness of the material to be cut up to 50 mm
- Maximum sheet size 2,500 x 6,000 mm
- Materials that can be cut: steel, aluminium, stainless steel

The power supply is Precision Plasma M3 362, second generation

Max. cutting thickness CS:
50 mm – standard steel

Max. cutting thickness SS:
40 mm – stainless steel

Max. cutting thickness Al:
40 mm – aluminium



Precision hole technology in CS in case of material up to 25 mm (1:1 hole to plate thickness)

Cutting angle
Pursuant to ISO 9013:
Class 3

Max. cutting current:
360 A

Adjustment range
35 – 360 A

Max. marking current:
25 A

Adjustment range:
2 – 25 A



Marking lines, letters and numbers with plasma without replacing consumables.
Plasma cutting standards: **DIN EN ISO 9013** (according to the cutting process)

Welding robot

The fully automated welding complex at FinEst-Hall enables efficient, precise assembly and welding of parts. The complex includes two KUKA six-axis industrial robots mounted on a linear axis, two rotary positioners, and support systems that support the welding process.

One robot handles part transport and assembly, while the other performs welding operations.

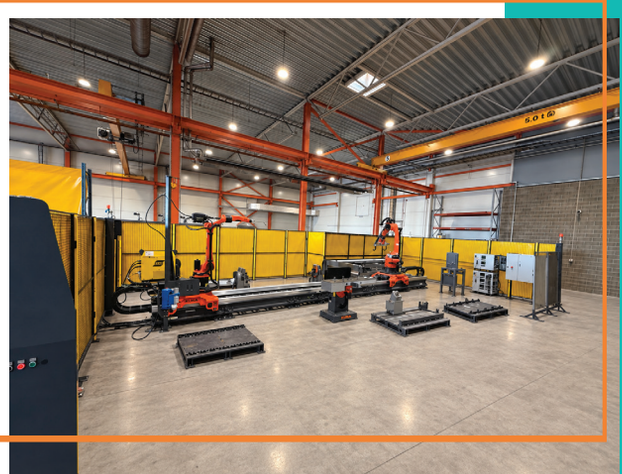
The automated solution ensures consistent welding quality, higher production speed, and accurate, repeatable results.

KUKA Welding Robot

Assembly robot load capacity: **120 kg**

Rotary positioner load capacity: **500 kg**

Maximum length of part: **5 meters**





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