



Hydroforming Design Light AB – Your Production Partner



HYDROFORMING
DESIGN LIGHT

Your partner in development for the future

With in-house design of tooling and machines HDL can control the production chain in a unique way. We work with you from idea to full production. The result of this will come to you as a cost-effective solution.

HDL has 29 employees and is located in Vansbro, an area with a long tradition of working with metal components.

HDL has the ambition and capacity to be in the front of technical development. The company is working together with the University of Dalarna and world-leading companies in several innovation projects. With competence and knowledge in world class we follow international research in our area.

Our customers all over Europe and the company have stable financing. We have good access to highly competent personnel and excellent facilities to expand in.



Peter Alm, CEO



A part of Hydroscand Group

HDL is a world leading company within forming methods of sheet and tube metal forming. HDL belongs to Hydroscand Group and was founded 2005 with Hydroscand Group as main founder. The Hydroscand Group has more than 950 employees, 150 branches and a turnover of 195 million Euros. To be a part of Hydroscand group will guarantee long term commitment in finance and development of the company.



UDDEHOLM
SuperClean™



Some things last forever

UDDEHOLM SUPERCLEAN CONCEPT
DE ULTIMATA PULVERSTÅLEN

Med unika egenskaper och ojämförbar renhet är PM-stålen utvecklade för att ge dig det optimala slutresultatet – byt till ett bättre stål.

High technological forming solution for sheet and tubeparts

Hydroforming Design Light can offer you innovative high technological forming solution for sheet and tube parts. By using our patented technique we can offer you a unique cost-effective solution and optimized forming methods.

HYDROFORMING

The hydroforming is performed in our own designed machines. We can hydroform up to 7000 bar.

FORMING WITH WATER

Precision – Hydroforming is the forming method that gives the highest precision.

Surface quality – No dents no scratches.

We work with three different types of **hydroforming**:

- Tube hydroforming
- Pillow hydroforming
- Sheet hydroforming

DEEPDRAWING

We have deepdrawing presses up to 500 tons.

PUNCHING AND BENDING

We have additional processes such as punching and bending with press-brake.





TOOLING AND MACHINE MANUFACTURE

Hydroforming Design Light has in-house tooling and machine design and capacity to produce our own tubular blanks. This gives us the possibility to offer an unbeatable cost-effectiveness thru short lead-time and optimal material use.

- Fast and cost-effective manufacture of tooling
- In-house design of forming, press tools and fixtures.
- In-house tooling manufacture
- CAM-controlled tooling machines
- Virtual testing of tooling
- Manufacture of prototypes and developments of ideas

LASERWELDING/CUTTING

Hydroforming Design Light AB uses a 6 axis fiber laser for welding and cutting.

Other techniques such as spot welding and MAG welding can be done.



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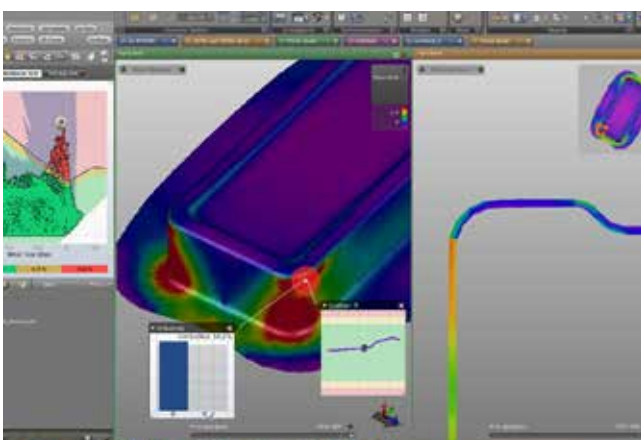
ahlsell
gör det enklare att vara proffs

From idea to final product

Hydroforming Design Light AB has great knowledge how to adapt and follow the demands on production and delivery to customer. With a deep knowledge about manufacture in combination with high quality demands and innovative unique world-leading methods HDL give the best solution for a profitable, cost-effective and stable production. The workflow is adapted in sequences according to customer plan and HDL always work to give the customer a flexible solution based on the needs.

We offer you a overall concept to work with us from idea to final product. In the cases there is prototype already done we offer the customer a production or a development of that prototype. Our well tested flexibility and scale ability give development a new meaning.





Forming simulation with Autoform software.

PRODUCTION

Pre study 1

Feasibility test with Autoform
Strength test

Pre Study 2

Springback simulation with Autoform
Welding tests
Material tests

Prototype

In the prototype phase 3D principal models for system, module and detail level are presented.

- Development of prototype
- Tooling for prototype is manufactured
- Manufacture of prototype
- Evaluation of prototype

Manufacture

After all verification and certification is done the documents is presented for the customer to ensure a high quality, stable manufacturing can be done. Serial delivery is based on customers' demands on delivery.



På Edströms Maskin i Jönköping erbjuder vi effektiva produktionslösningar, rätt kunskap och en service som ser till att hålla hjulen snurrande
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AutoForm – Simulation of Sheet Metal Forming Processes

AutoForm's software solutions offer a comprehensive CAE platform for engineering, evaluating and improving sheet metal forming processes.



Courtesy of Volkswagen Autovisio

These software solutions are designed for everyday real life applications and for high engineering throughput.



www.autoform.com



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