HACO CORPORATE PROFILE

A FULL RANGE OF HIGH-QUALITY SOLUTIONS, KNOWN AROUND THE GLOBE.

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As world leader in sheet metal working machines, Haco offers a complete range of reliable, high-precision machines and the software that goes with it. As an absolute specialist, we can provide a customized solution for every specific situation.

HACO Kingsland & Mubea Systems offer you a complete range of machinery for all kind of metal constructions. We combine our knowledge of the profile industry with Haco's metal & wood industry experience.

Mubea Systems S.A., part of the international Haco Group, is known worldwide for its CNC machining centers . We offer profile machining centers, solid aluminum machining centers and heavy duty machining centers.

FAT, a member of the Haco Group, is Europe's leading manufacturer of conventional and CNC lathe machinery. With over 60 years of experience in lathe building, we deliver top performance lathes at competitive prices.

BRET and BLISS - both members of the HACO Group - specialize in the design and manufacturing of hydraulic and mechanical presses. We bring you a 100 years of experience.

Haco offers a diversified and comprehensive range of industrial woodworking machinery, designed to make your job easier and safer. We are able to offer you multi-purpose machines that provide great results and are still easy to use.

CLID Systèmes and SIMA provide you with a solution for all kind of paint processing and surface treatment products. Quality and reliability are the major features of our products.

The HACO Group:
more than sheet metal

HACO started in 1965 as a small Flemish family-owned business serving local industrial companies. Today, we are a group offering a full range of high-quality solutions, which are known around the globe. From professional woodworking, sheet metal working, and aluminum milling machines to machine controls and surfacing installations.

From the very beginning, our principal goal was to understand the needs and requirements of our customers and to provide for them better than anyone else does. When one of our clients has a special problem, we take pride in being able to come up with exactly the right solution. But this specialization has not kept us from diversifying.

Originally famous for our sheet metal and woodworking machines, HACO has become so much more than just a manufacturer of punching machines, bending machines and shears. Since the mid-nineties, HACO has evolved into a company that produces not only sheet metal machines, but also larger and more complex machines, like machining centers and lathes.

With the acquisition of Mubea Systems in 1996 and the take-over of FAT (Fabryka Automatow Tokarskich) from Poland in 1999, the HACO group was able to offer machines for the cutting and editing of very large profiles and parts.

The HACO Group:
mission and vision

HACO`s main goal is to offer our customers innovative, high quality products as well as solutions to improve production efficiency with the best price-to-quality ratio.

An innovative **product development strategy, highly efficient production infrastructure together with a global network of sales and service subsidiary companies supports this mission.**

It is the ambition **of HACO to become a trendsetter for modern applications. Our aim for the next decade is to invest further in Technology Development Centers, Practical Application Centers and build a solid team of Advisors around the globe.**

HACO is not just **interested in selling you a machine. We deliver you a solution through turn-key projects, or automation of your factories.**

HACO will make partners **around the globe with those leaders in the industry that support the vision of HACO through cooperative joint-venture. HACO shall become your unique supplier for Advanced Technology Systems.**

HACO Global Reach:
production

Our world wide production divisions are strategically chosen to support the local markets. Hence we have the flexibility to change and modify equipment and systems to the wishes and demands of the local market.

- Belgium
- France
- United Kingdom
- Germany
- India
- China
- Poland
- Slovakia
- Romania

HACO Global Reach:
sales & service

The Haco Group is an internationally renowned **CNC machine dealer and manufacturer.** We deliver high-performance machines at the best price/quality ratio found anywhere. We participate in many sectors and all our machines are top-rated in their field.

- Belgium
- France
- United Kingdom
- Germany
- India
- China
- Poland
- Slovakia
- And an international dealer network
- Netherlands
- Italy
- Malaysia
- Thailand
- Australia
- Canada
- Romania
- United States

HACO - Milestones

From a locally owned business into an international organization

1965

Rogier Havegeer and **Roger De Marez** start their own company producing hydraulic components and providing maintenance and repair services. It was the initial seed from which the worldwide HACO Group NV has grown.

1965 - 1972

The business grows steadily, evolving from a Flemish-family-owned locally anchored business into an i**nternational organization.**

1972

HACO develops a sheet metal **guillotine shear** and took its first steps towards becoming an expert and reputable machine builder. This was indeed an important step toward diversification and specialization.

1972 - 1985

HACO continued its move into machine building, specialization and expansion of capacity.

1985

HACO founds **ROBOSOFT** and develops hardware and software for CNC controls. This eventually led to the group's second product – electronics - which stands alongside machine building.

1986/1987

HACO takes over **BRET and SCMB BLISS** in France. This specialists in mechanical, hydraulic and die forging presses opened a new path for HACO in the automobile industry. The production of consumer goods created many other opportunities.

1991

HACO acquired **Kingsland.** This acquisition added hydraulic multi-purpose steel working machines to HACO's program. HACO machines were now found in virtually every workshop.

1993

HACO added OMES in Italy to the group, and introduced the **CNC punching machines** to its program. Shorter production times and increased flexibility were now trademarks of HACO. The take-over of the French **GUILLET/CHAMBON** enlarged the range of woodworking machines of HACO.

1996

Acquisition of **MUBEA SYSTEMS** completed its program of multi-purpose steel working machine plus customer-designed drilling, punching and cutting lines.

1999

FAT in Poland became part of HACO, offering affordable **lathes and milling machines.** These machines are easy to operate, thanks to high-level controls. They are also suited for machining a wide variety of different materials.

2000

HACO took over **LSP in Slovakia**, increasing its offering of press brakes and shears, thus expanding the company's presence in Eastern Europe.

2001

Mubea starts with the development and production of prototypes of **4 and 5 axis profile processing machining centers** complete with integrated CNC clamping and application driven software solutions.

2006

A new branch and two production plants in Ningbo, **China** were set up to strengthen relationships with customers in the East.

2008

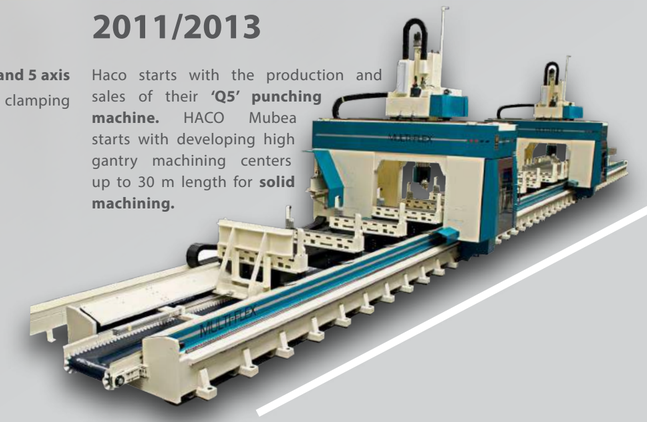
HACO starts production and sales in **India** offering pressbrakes, shears expanding its production domination around Asia.

2009/2010

Haco Mubea proudly offer 5 axis **machining centers with dimensions up to 60 m** long with single and double head with double X-axis and total clamping system.

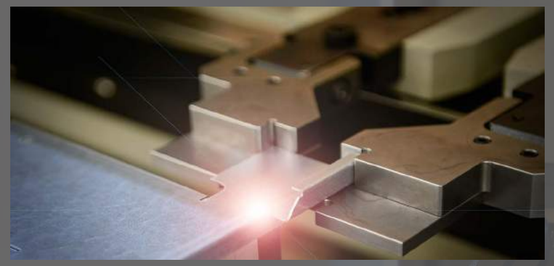
2011/2013

Haco starts with the production and sales of their **'Q5' punching machine.** HACO Mubea starts with developing high gantry machining centers up to 30 m length for **solid machining.**



CNC Bending

Working lenghts from 1.6 to 10 m



When it comes to sheet metal press brakes, Haco is definitely a major player in its league. Our product range includes press brakes with capacities from 40 to 2,000 tons and working lengths from 1.6 to 10 m. To be able to meet your every need, we also build custom press brakes.

The Euromaster pressbrakes come standard with easy-to-use color graphical 2D Fastbend control. This control has been on the market for several years and still proves today to be one of the most powerful CNC controls on the market. As an option, we offer the new FastBEND-3D control where you can program parts in 3D or import 3D files from our optional HACO CAD-3D software.

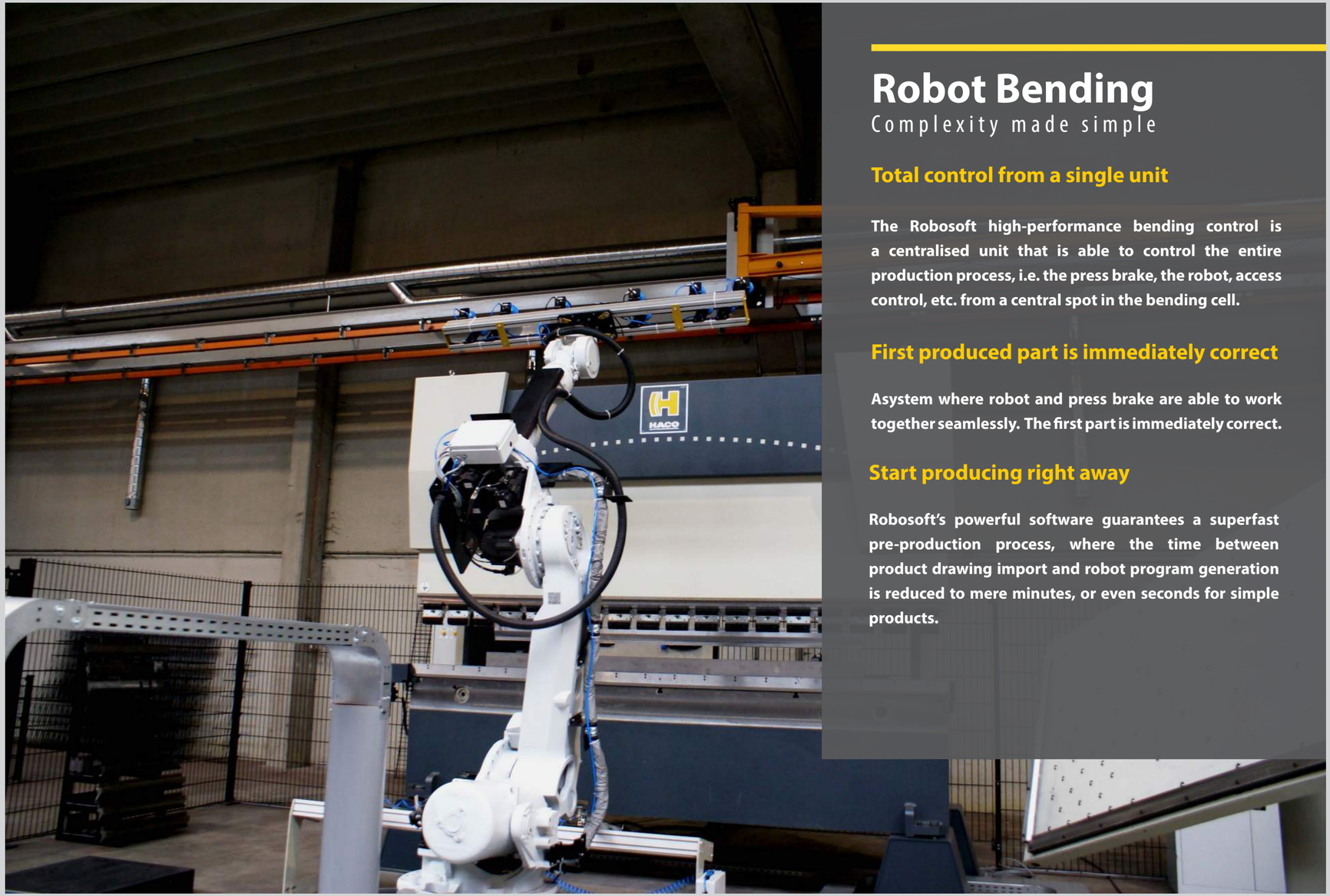
Robot Bending

Complexity made simple

Today's high requirements concerning productivity, quality and production speeds lead to an increasing demand for automated bending systems. For a couple of years now, Haco – in tight collaboration with Robosoft – offers a unique approach to robotised bending: a seamless fusion of hardware and software that results in fast and direct production, where the first product is immediately correct.

Low learning curve

The programming software for the bending cell and the control's firmware aren't only easy to learn, they're also easy to master and any experienced press brake operator can work with them in no time.



Robot Bending

Complexity made simple

Total control from a single unit

The Robosoft high-performance bending control is a centralised unit that is able to control the entire production process, i.e. the press brake, the robot, access control, etc. from a central spot in the bending cell.

First produced part is immediately correct

Asystem where robot and press brake are able to work together seamlessly. The first part is immediately correct.

Start producing right away

Robosoft's powerful software guarantees a superfast pre-production process, where the time between product drawing import and robot program generation is reduced to mere minutes, or even seconds for simple products.

Shearing

Indestructible & high-quality

With 45 years of experience, Haco's expertise is a guarantee of virtually indestructible, high-quality, high-efficiency machines. We offer hydraulic sheet metal guillotine shears that can cut up to 32 mm thick mild steel sheets, up to 6 m long.

Heavy Duty HSL(X)

The Heavy Duty HSL(X) models are our custom designed heavy duty guillotines. Cutting capacities vary from 6mm to 32mm material thickness and from 3000mm to 12000mm cutting length.

HSL(X)

HSL(X) series hydraulic guillotine shears with blade gap adjustment. HSL(X) shears can also be automated with feeding , conveying and stacking system.

TS(X)

TS(X) series budget friendly hydraulic guillotine shears with blade gap and rake angle adjustment.

HSL(X)

Our fully automated shears

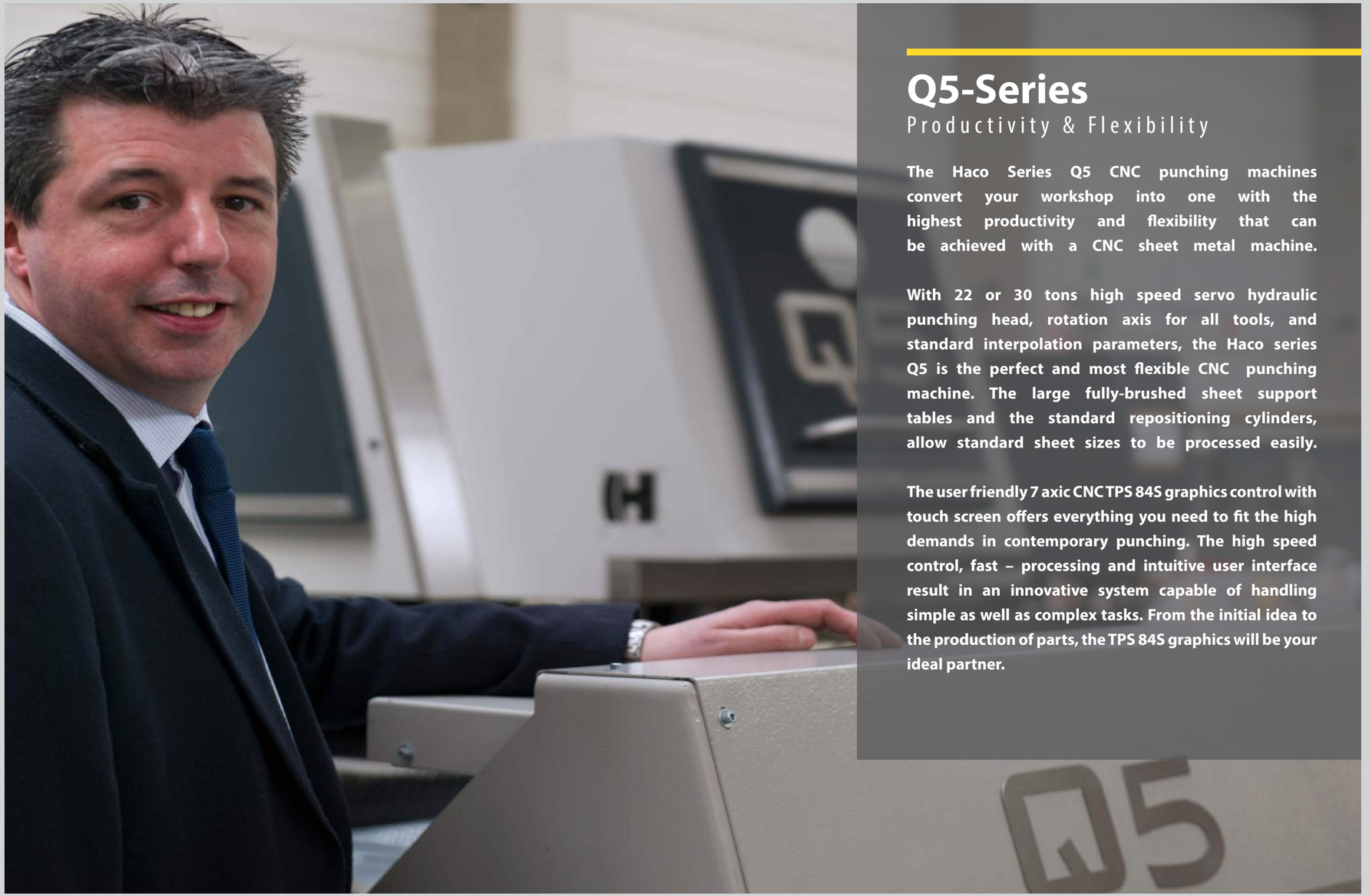
HSL(X) Guillotine shears have several advantages above swingbeam type shears. They are made to cut several material types and thicknesses and have no twist in the frame like swingbeam types.

Punching

The Q-Series punching solutions

Customer demands for shorter turnarounds, faster deliveries, higher part quality and lower costs have increased in the 21st century. They have driven manufacturers to rethink the whole punching process. With an innovative versatility in the latest punching technologies, fabricators can not only reduce punching costs but also reduce the price of the final product.

That's why HACO came up with the Q Series punching solution that could address these and other needs. Are you ready to do the same for your customers?



Q5-Series

Productivity & Flexibility

The Haco Series Q5 CNC punching machines convert your workshop into one with the highest productivity and flexibility that can be achieved with a CNC sheet metal machine.

With 22 or 30 tons high speed servo hydraulic punching head, rotation axis for all tools, and standard interpolation parameters, the Haco series Q5 is the perfect and most flexible CNC punching machine. The large fully-brushed sheet support tables and the standard repositioning cylinders, allow standard sheet sizes to be processed easily.

The user friendly 7 axic CNC TPS 84S graphics control with touch screen offers everything you need to fit the high demands in contemporary punching. The high speed control, fast – processing and intuitive user interface result in an innovative system capable of handling simple as well as complex tasks. From the initial idea to the production of parts, the TPS 84S graphics will be your ideal partner.

Q5 Series

Advantages

- All tools are 360 ° auto indexable
- Axis interpolation (Apllication of wheel tools and ridged tapping)
- Double Y axis for maximum speed and accuracy
- Automatic clamp setting by CNC = faster production times
- Big part chute door with protection system and integrated conveyor belt
- Energy saving via energy recovering from the motor drivers
- Easy and fast loading of tools into the turret
- Any tool station takes any tool (also Multi Tool)
- No complex turret composition = faster turret set-up
- No turret station wear, no turret adjustments
- Better adjustment for punch and die clearance compared to classic turret punching machines
- Positive tool clamping (no springs)
- Full control of stroke (Z-axis)
- Stripping plate has also hold down function
- Urethane strippers can be used for scratch free production
- Programs can be nested under every angle which results in optimal sheet usage and minimum rest sheet
- No limitations in clamp setting
- Application of large forming operations (Z axis stroke of 75 mm)
- Fast tool-change by means of by- bidirectional rotation of the tool-turret and automatic selection of rotation direction for shortest rotation distance
- Standard slug suction device avoids the application of expensive ‘slug stop dies

Controllers

Standard & custom designed

The Haco Group specializes in the design and development of CNC controls and software, mainly for industrial sheet metal machines, such as press brakes, punching machines, shears, laser/plasma,...

We offer a wide range of standard automations, but also very specific, custom designed systems for many different kinds of applications, e.g. metalworking machines, woodworking machines, milling machines, lathes, ...

2 types

of automation

The normal, easy to use stand alone automation:

- **single-axis control that functions as a back gauge**
- **shear control that - unlike other shears - operates using 4 axes (back gauge, blade gap, blade angle and cutting length), sensor information and a safety module**

The complex control for full-automatic production capable of communicating with other machines:

This communication between e.g. shear, puncher/laser/plasma and press brake makes it possible to process a part from its drawing to its actual production, without having to leave the workplace.

Plasma Cutting

Extended experience in the field

Haco offers you a varied range of plasma cutting machinery, designed based on our extended experience in the field. We know what your needs are and can meet your most exacting plasma cutting requirements.

The CombiCut comes with a standard Plasma and/or Oxy-fuel gantry cutting table. On the gantry, an axis can be equipped with a robot and/or a drilling unit. Any combination Plasma, oxy-fuel, drilling unit and Robot cutting is possible.

Atlantic Blue Line

Efficiency & cost savings

Qualitative sheet metal technology can be budget friendly. Haco has launched a budget line of sheet metal working machines for the European market under the brand name Atlantic Blue Line. These machines are produced in the Haco factory in China and are just as advantageous as the competing Asian or Turkish machines. However, they have the reliability of our own 'in-house' state of the art technology and service.

Atlantic Blue Line

Sheet metal technology on a budget

The Atlantic Blue Line program includes hydraulic press brakes, type ATP, in the scope 50 to 300 ton with a working length up to 4 meter and hydraulic guillotine shears, type ATS, in the scope 6 to 16 millimetre with a cutting length up to 4 meter. A 30 ton hydraulic CNC revolver punching machine, type ATT, completes the program. The machines are equipped with state of the art CNC controls by subsidiary Robosoft, identical to those of the Haco program, and with German Hoërbiger proportional hydraulics (press brakes).

Kingsland Punching

60 years of innovative design

Kingsland, part of the Haco Group, is an established designer and manufacturer of top-quality universal steelworkers/ironworkers and punching machines. We also offer accessories and tooling. For over 60 years now, we have been innovating and specialising in hydraulic ironworkers. The Kingsland range of Hydraulic Single Punching Machines all come equipped with a deep throat of 625mm. Heavy-duty support tables with scales and backstops, universal die holder for punching in plate, flat bar, angle iron and flange of channel and beam are all part of the standard execution.

Kingsland Ironworkes

Reliable & Sturdy

Kingsland Ironworkers are available in 40 ton up to 175 ton. Our ironworkers are considered the mother of all ironworkers. Reliable & Sturdy manufactured for your workshop. Their great efficiency is the result of years of innovation.

Mubea Ironworkers

The multiple all-round ironworker

KLH/HP/VP Models

As a member of the Haco Group, Mubea combines its own knowledge of the profile industry with Haco's metal & wood industry experience. Thousands of Mubea hydraulic ironworkers are sold worldwide. The range includes drilling, sawing, punching and shearing machines.

Mubea Ironworkers

Hydraulic powered punches

KLH/HP/VP Models

With the two different capacity sizes of the KLH series and the cost-effective punch models HP1000/760, HP1600/760 and VP1000/620, Mubea Systeme sets standards in modern punching technique.

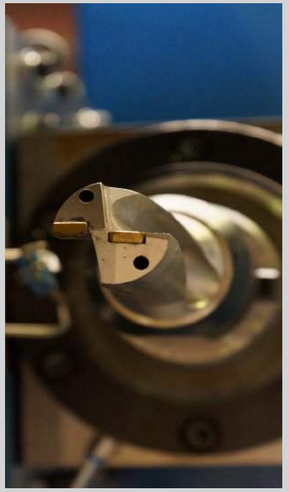
Drillflex DF 1100

Milling next to Drilling

MUBEA SYSTEMS has developed automatic CNC machining centers. Designed specially for the steel construction industry, a concept, unique in saving time, floor space, money and offering precision.

Milling next to drilling

The unique part of the Drillflex is that next to drilling, milling is possible too. Multiple types of holes can be milled.



Machining Centers

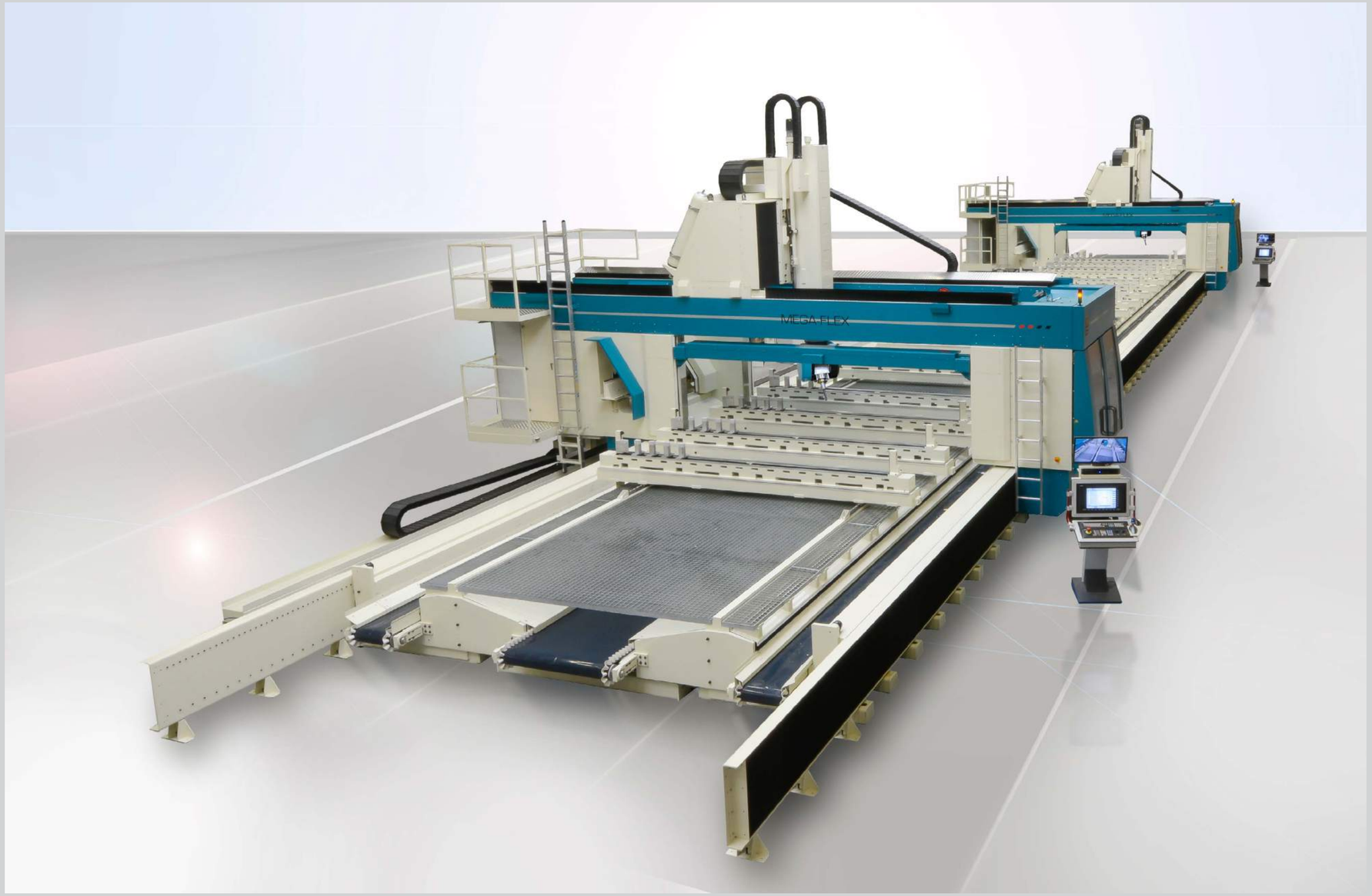
Mubea Systems profile machining

Aluminium and steel extrusions require specific machining characteristics. Mubea Systems S.A. has developed a complete range of machining centers specifically for these materials where highspeed cutting and fast response times are essential.

Our 4- and 5-axis CNC machining centers have been designed especially for automatic tooling of exceptionally long profiles. The most of our models have saw capability to trim the part at correct length.

Complimenting our range of impressive machines the PROFILE 3D CAD CAM software offers dynamic programming characteristics to meet demanding requirements. The software includes a READ-IN module to easily communicate with other softwares:

- **3D Simulation of the part being made**
- **Auto clamp positioning**
- **Tool Path simulation**
- **All kind of nesting of multi-parts**
- **Advanced time calculation**
- **Collision detection**



Machining Centers

High speed & heavy duty

Haco Mubea Systems has the expertise in machining aluminum, wooden, vinyl and steel profiles. We aim to create long-term partnerships with each of our customers, all over the world…

The GIGA-FLEX AB is a high-performance, high-gantry machining center, mainly used to machine various types of aluminum, cast iron and carbon steel such as engines of cars and ships, machine frames, welded constructions, all with a big volume.

Lathes

CNC Controlled & conventional

FAT has focused on the production of both conventional and CNC controlled flat bed CNC lathes. Since 2001, our product line has been extended with a modern slant bed CNC Lathe and CNC milling machine.

With a sales network independent to that of the main HACO Group, about 95% of FAT's production is for world-wide export. A huge milestone was reached in 1992 when FAT produced the 50,000th machine tool. Based upon more than 60 years experience of lathe production, we are able to construct the highest quality lathes at very competitive prices.

TUR MN Range

The most popular series is the TUR MN range (picture), which has the biggest choice of machines with turning length from 1000mm up to 16000mm and turning diameter between 560mm and 1550mm. The newest Siemens SINUMERIK 840 D SL Manual Turn control system and AC drives make it the most modern production unit for manufacturing very complicated parts made as one-offs or in small batches.

FTM 1000

The newest slant bed lathe

FTM 1000 is the newest slant bed lathe which gathers many innovative solutions and offers a turning diameter of 1000mm. Our machines are equipped with high quality devices delivered by the best world class suppliers.

We build each machine according to the individual requirements of the order as well as offering special, non standard solutions to meet the customer's requirements.

Provide us with any drawing or part and our in house specialists can recommend the most suitable machine and configuration to meet your requirements.

Lathes

Customized solutions up to 450T

Based on our broad experience in lathe manufacturing, constant development, improvements and fulfilling our customer's requests, our products range has been expanded and includes special machines dedicated to meet extraordinary requests from our clients. We are not only focused on producing standard, small horizontal lathes. Our aim is to provide huge stand-alone machines and also manufacture complete production lines for complicated machining operations to include turning, grinding, boring and other complex operations.

A 22 meter long and 3 meter diameter monster lathe (TUR 4MN) with a capacity of 90,000 kg. This huge CNC lathe is now almost ready for shipment to its owner in the US, Ellwood City Forge, one of the world's leaders in the open-die forging industry.

Lathes

Customized solutions

A customized production line especially adapted for grinding pipe ends.

Presses

100 years of experience

BRET and BLISS - both members of the HACO Group - specialized in the design and manufacturing of hydraulic and mechanical presses. We bring you 100 years of experience.

Sharing common Design and Production facilities gives the two companies the status of a top line manufacturer of complete installations.

Woodworking

Guillet & Chambon

Haco offers a diversified and comprehensive range of industrial woodworking machinery, designed to make your job easier and safer.

Thanks to years of experience and innovation, we are able to offer you multi-purpose machines that provide great results and are still easy to use. They are robust and will yield years of professional, high quality results.

Craftsmen as well as large industrials will find the range interesting and wide enough for their various purposes. Find out more about our various woodworking machines below. Don't hesitate to contact us should you have any more questions.

Woodworking

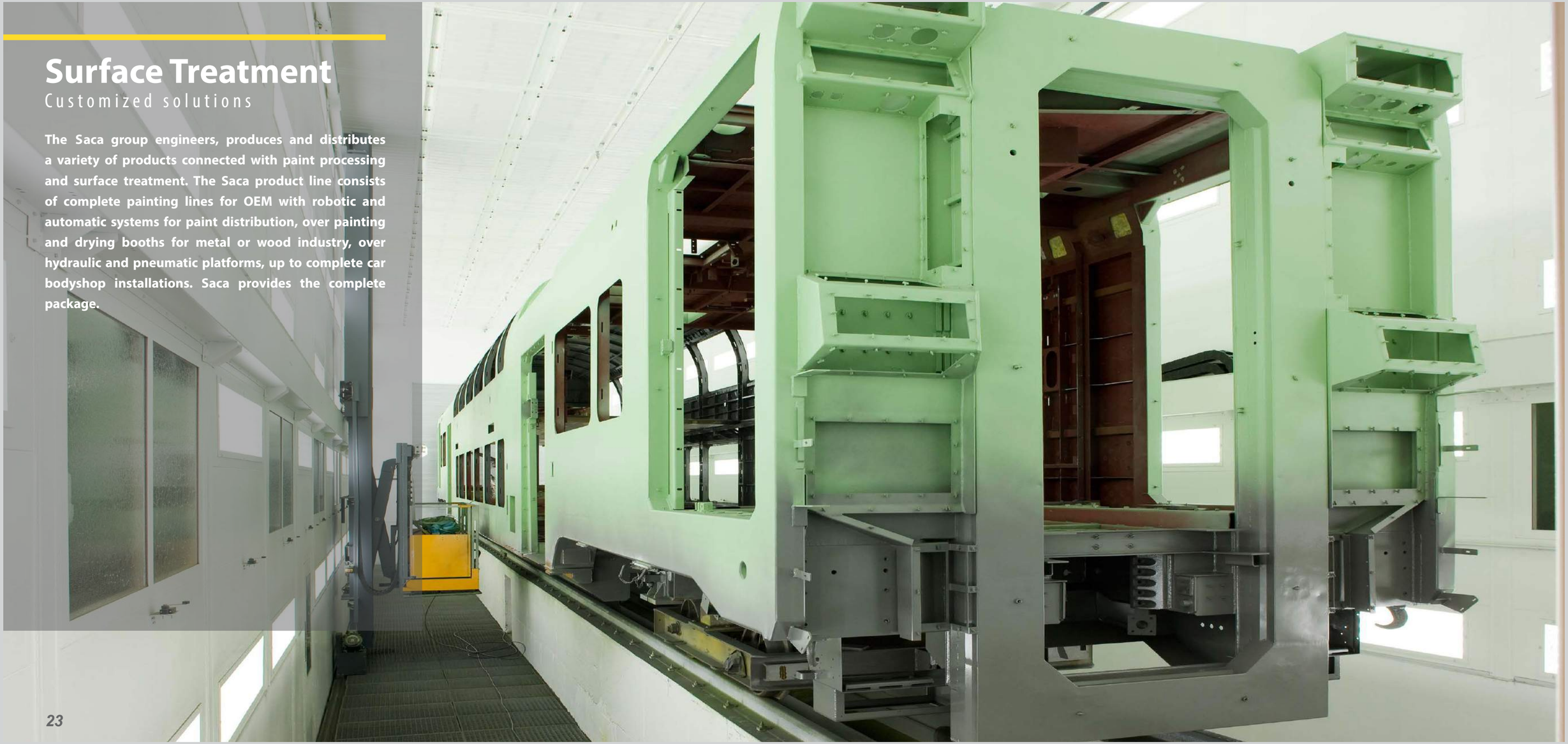
Guillet & Chambon

CHAMBON was created in the middle of the 20th century. The company established itself in Cousance, a small village in the Jura, a region of great tradition of clock-making and precision mechanics.

Surface Treatment

Customized solutions

The Saca group engineers, produces and distributes a variety of products connected with paint processing and surface treatment. The Saca product line consists of complete painting lines for OEM with robotic and automatic systems for paint distribution, over painting and drying booths for metal or wood industry, over hydraulic and pneumatic platforms, up to complete car bodyshop installations. Saca provides the complete package.



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The Haco Group

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The Haco Group

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PRODUCTION

ASIA

- HACO Machinery Private Limited
- SACA Private Limited *
- Ningbo Hamudu Machinery Co. Ltd
- SACA (Ningbo) Machinery Co., LTD *

EUROPE

- HACO nv Group Headquarters
- Elas nv (including HSC division)
- SIMA-SACA Group Headquarters *
- MUBEA SYSTEMS sa *
- Robosoft nv
- BRET sas
- CHAMBON sas
- Clid Systèmes sas *
- The Kingsland Engineering Co. Ltd
- HACO MUBEA Systeme GmbH
- FAT S.A.
- SACA z.o.o. *
- Koluszky Foundry Sp. z.o.o.
- HACO a.s.
- LSP a.s.
- SACA a.s. *
- BLISS-BRET a.s.
- Chambon srl

SALES & SERVICE

ASIA

- HACO FAR EAST PTE Ltd.
- Haco Machinery (Malaysia) Sdn Bhd
- HACO (Ningbo) International Trading Co., LTD
- Ningbo Hamudu Machinery Co., Ltd. Dongguan Branch

EUROPE

- HACO nv Group Headquarters
- Elas nv (including HSC division)
- HACO TRADING COMPANY nv
- HACO BV
- HACO sas
- The Kingsland Engineering Co. Ltd
- HACO MUBEA Systeme GmbH
- HACO sl
- OMES srl
- HACO G. Kouzaris ltd.
- FAT S.A.

NORTH AMERICA

- HACO Canada Inc.
- Haco Atlantic

OCEANIA

- Haco Australia Perth
- Haco Australia Melbourne

* **Family related**