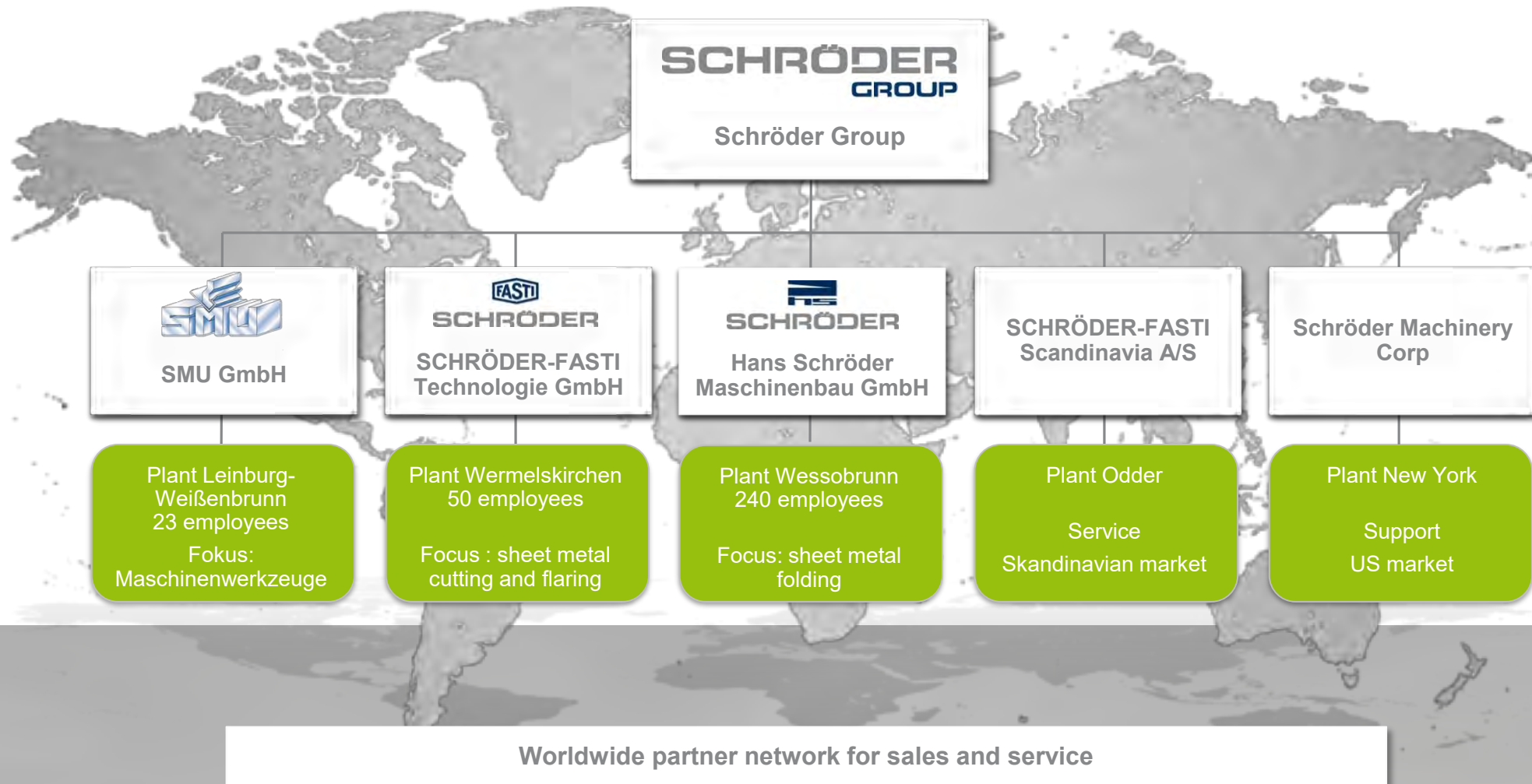




SCHRÖDER GROUP
COMPANY PRESENTATION

SCHRÖDER Group

SCHRÖDER
GROUP

SCHRÖDER Group – At a glance



Everything for sheet metal working – everything out of one hand

- **Founded in 1949, we are a quality- and customer-oriented family business with tradition and modernity in the machine building industry**
- **Our focus:**
 - Development of modern machine concepts
 - Bending and cutting of metal sheets
- **Fields of application:**
 - Roof and facade elements
 - Ceiling and wall panel elements
- **Our customers and their needs are the focus of all our efforts:**
We offer you for every manufacturing task the technologically and economically convincing solution!



SCHRÖDER Group – At a glance



- The successful integration of the Fasti Company in 2006 and its worldwide presence make the Schröder Group one of today's leading providers of machines for:



- The **SCHRÖDER** portfolio is completed by :
 - customer specific solutions
 - fully automated industrial folding centres
 - software control for machine operation

SCHRÖDER Group – Training

„The employees, their experience and their Know-how are our greatest asset“

- In 2023 the Schröder Group got the award as an attractive employer in terms of training
- Training rate: about 12 % at a total of about 320 employees
- Commercial and industrial trainings are equally important to the Schröder Group:
 - Mechatronic technician (m/f/d)
 - Electronic technician for industrial engineering (m/f/d)
 - Precision mechanic (m/f/d)
 - IT specialist for system integration (m/f/d)
 - Product designer (m/f/d)
 - Office administrator (m/f/d)



Employee figures - Development



Milestones

1949

- **1949: Foundation of Hans Schröder Maschinenbau**
 - Initially a repair shop; later rapid growth as a commercial company



1960 - 1969

- **1960 – 1969: First successes with own developments in sheet metal processing**
 - Start of the successful serial production of universal folding machines (AK), eccentric guillotines and motorized guillotines

1970 - 1981

- **1970 – 1981: Rapid expansion and consistent modernisation**
 - Modernisation and expansion of site and production capacities
 - Establishment and professionalization of sales and marketing
 - Start of CNC production

Milestones

1982 - 2000

- **1982 – 2000: Development into an internationally active mechanical engineering company**
 - 1994: Franz Schröder takes full charge of the management of Hans Schröder Maschinenbau GmbH after the sudden death of Hans Schröder
 - Expansion and modernisation of the on-site manufacturing techniques (5-axis milling centres, conveyor systems, CAD)
 - First universal folding machines for industrial applications (MAK)
 - Establishment of a department to develop software for electronic controls
 - Start of internationalisation with partner networks in Europe, America and Asia



Milestones

2000 - 2008

- **2000 – today: The SCHRÖDER Group is evolving into an innovative technology company**
 - Construction of more new production and assembly halls as well as an office building
 - Introduction of the IntelliBend series with POS 2000 / POS 3000 graphic controls
 - Acquisition of Fasti-Werke and the Wermelskirchen plant (2006)
 - Presentation of the first fully automated bending centre
 - Introduction of the innovative EVOLUTION machine generation

2009

- **60th anniversary**



2003



2004



2006



2008

Milestones

2012

- In 2012 the Schröder Innovations studio came into existence

2013

- Introduction of the innovative PowerBend-Machine generation

2016

- Development of a powerful motorized folding machine PowerBend Industrial which expands the portfolio of the PowerBend-series. Development of an unfold software „Schröder Unfold“.

2018

- Development of a fully-automatic sheet metal handling system „AHS“

2019

- Introduction of the new innovative sheet metal folder EVO Center at Blechexpo 2019



2013



2016



2019

Milestones

2021

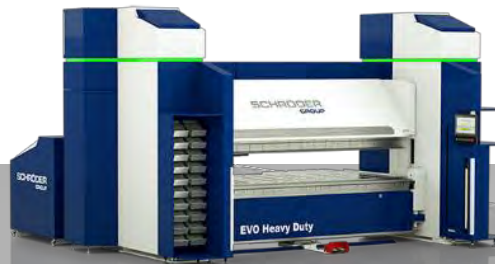
- Schröder Group acquires the German tool manufacturer SMU GmbH, located in Leinburg-Weißenbrunn
- Introduction of the new hydraulic folding machine EVO Heavy Duty at Fabtech in Chicago
- Presentation of the „NEW“ PowerBend Professional at Blechexpo

2022

- Presentation of the PowerBend Multi at EuroBlech - successor model of the MPB



2021



2022

Milestones

2023

- New presentation of the motorized folding machine EVO DuoBend at the Blechexpo 2023 in Stuttgart

Blechexpo

Hall 1 / Stand 1805



Highlights

High performance folding machine with two folding beams:

EVO DuoBend

- **Revolutionary folding machine with two folding beams**
 - Two folding beams, program-controlled
 - Flawless bending of large-format products with counterfolds
- **High flexibility**
 - POS 3000 3D graphic control
 - Fully-automatic tool changer
 - 850 mm clamping beam stroke
 - Back gauge with suction cups
 - Option: Gripper gauge



Work. length max. 4000 mm
Sheet thickn. max. 4 mm

Our Unique Selling Point (USP)

- **Machine construction „made in Germany“**
 - Competence in the sheet metal working industry since 1949
 - 3 production sites in Germany (> 20 000 m² production area)
 - Broad portfolio from manual machines to fully automatic bending centres

- **High level of in-house production: about 85% (only electronic components and motors are purchased), our advantages:**
 - ✔ Lower costs through less coordination processes
 - ✔ Higher flexibility in bottleneck situations
 - ✔ Dynamic control of capacities
 - ✔ Core competences in production remain within the company
 - ✔ Improvement of quality through continuous quality controls
 - ✔ Independency of suppliers



Increasing innovation power and productivity

Our Unique Selling Point (USP)

■ Innovative strength

- State-of-the art development and production processes
- Own software development for control/visualisation (POS 2000/POS 3000)
- Customized production
- Global network of competent partners

■ Strong values

- Solidly financed, modern family business run
- Quality, customer and service orientation put into practice (e.g. free hotline)
- Long-term customer- and partner relationship



SCHRÖDER GROUP – Portfolio

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Hans Schröder Maschinenbau

- Motorized folding machines
- Manual folding machines
- Fully automatic bending centre
- Motorized shears
- Manual shears
- Software



Schröder-Fasti Technologie

- Slip bending rolls
- Flaring machines
- Hydraulic shears
- Manual folding machines



Highlights

High performance folding machine:

MAK 4 Evolution UD

- **Revolutionary „Up-and-Down“ folding technique**
 - Folding without having to turn over the sheet
 - Precise folding results and high efficiency
- **High flexibility**
 - POS 3000 3D graphic control
 - 1090 mm clamping beam stroke
 - Back gauge with suction cups
 - Hydraulic clamping beam tool clamping
 - Option: Fully automatic tool changer

Work. length max. 5000 mm
Sheet thickn. max. 6 mm



Highlights

Motorized folding machine: **PowerBend Multi**

The allrounder for thin sheet metal processing

- Easy and fast handling, high production output
- Rotating clamping beam
- Clamping beam stroke: 160 mm
- Motorized folding beam adjustment
- Conical bending function
- Recessed folding beam with cranked folding blade
- Removable support plates, retractable



Highlights

Motorized folding machine: EVO DuoBend

Your industrial solution to achieve large-volume as well as flexible series production with utmost repeat accuracy.

Work. length max. 4000 mm
Sheet thickn. max. 4 mm

- POS 3000 3D graphic control
- Fully automatic tool change for up to 400 mm high clamping beam tools
- Up'n Down folding beam, program-controlled
- 850 mm clamping beam stroke
- Back gauge with suction cups
- Option: Folding beam tool changer



Highlights

Motorized folding machine: EVO Heavy Duty

Our heavy-duty folding machine for sophisticated, hard working production processes

- Graphic control POS 2000 Professional
- 500 mm clamping beam stroke
- Motorized back gauge with sheet support table incl. balls
- Motorized folding beam adjustment 60 mm
- Motorized crowning system
- Max. bending angle: 180°
- Option: Gripper gauge

Work. length 3200 mm
Sheet thickn. max. 16 mm



Highlights

Motorized folding machine: **PowerBend Professional**

The professional solution to your thin sheet metal applications

- Up'n Down Biegewange, programmgesteuert
- POS 2000 Professional / POS 3000 software control
 - 500 mm clamping beam stroke
 - Folding beam drive on both sides
 - Motorized folding beam adjustment 150 mm
- Option:
 - Rotating clamping beam for 2 tool stations
 - Back gauge with suction cups



Highlights

Hydraulic Shear: PowerShear Professional

- Touchscreen-control PSC 150 on swivelling arm
- Energy-efficient drive with frequency-controlled motor
- Torsion-free cutting
- Automatic adjustment of shear angle and cutting gap
- Frequency controlled motorized back gauge
- Pneumatic sheet support
- LED-cutting edge illumination

Work. length max. 3000 mm
Sheet thickn. max. 6 mm



Highlights

High-performance bending centres:

POWER-BEND-CENTER

Building on our technology, our hardware and our software, we develop your individual sheet metal working solutions that range from **customized machines**, through **various steps of automation** and right up to **complete production lines**

- Semi-automatic and fully-automatic folding centers
- Large-volume and flexible series production with utmost repeat accuracy
- Basis: precise folding machines of the Evolution-Series



Let us show you the possibilities you have with the automation of sheet metal working!

Highlights

Software POS 3000 – 3D Graphic Control

Software to control universal folding machines via 3D graphics

- Intuitive, reliable operation thanks to superior 3D visualisation
- Quick selection of standard products
- Product profiles can be designed by drawing with the finger
- Dimensioning and automatic generation of the bending sequence
- Graphical bending sequence and tool setup plan
- Integration in higher-level IT systems (MES/ERP)
- Remote maintenance



Highlights

Unfold software „SCHRÖDER Unfold“

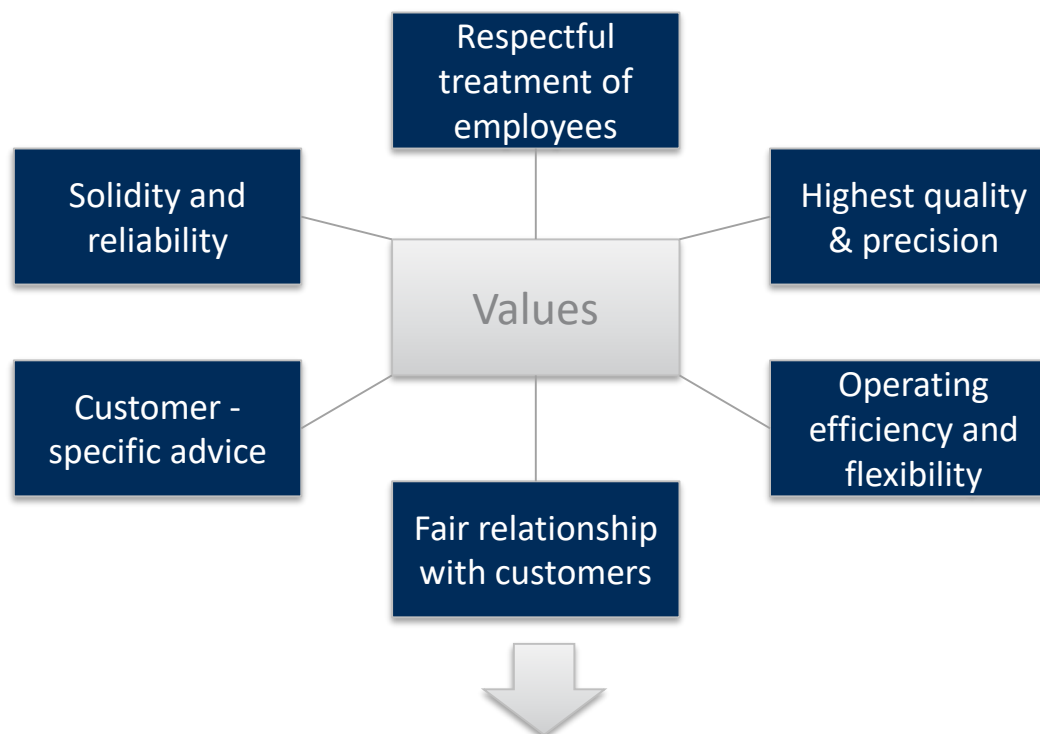
Software to calculate the blank size and program with effortless precision

- Import of Step-files into Schröder Unfold
- Start of an unfold assistant with selection of necessary information such as product name , material thickness...
- Creation of program file and DXF file for export



Our philosophy

We are guided by shared values, that we live both internally and externally and that are a major component of our identity:



Continuous and sound growth as well as the low turnover rate and the strong relationship to our hometown are an expression of our commitment to our values.

Our philosophy

Better sheet metal processing – From manual cutting machines to the fully automatic industrial folding centers – we offer solutions for everyone who works with sheet metal.

We want to fascinate our customers with:

- our own fascination for sheet metal working
- outstanding **service solutions**
- **numerous equipment options** and customer-specific solutions
- our **innovative strength** resulting from in-house development and construction - including our own software control
- our **high in-house production depth**: starting with conveniently-equipped basic machines, our machines can be extended for optimum results



Our focus lies in the production of innovative high performance machines that set standards in terms of design, security, user friendliness and reliability.

Our Vision

SCHRÖDER wants to represent an excellent partner for its worldwide customers

Our highest priority:

- Highest quality and efficient procedures in the production of sheet metal products
- Continuous improvement of our products and processes
- Constant satisfaction of our customers
- Being a leader in the area of sheet metal processing
- Excellent implementation and efficiency as well as motivated and capable employees



Sustainability

- For us, sustainability means responsibility towards our customers and our employees
- The Schröder Group is committed to the task
 - to work in a resource-saving way and
 - to maintain a secure, long-term and cooperative partnership with its customers and suppliers.
- Optimized processes in the whole value chain support our sustainable actions, this shows e.g. our **environmentally friendly painting line**.



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