

BRUDERERER+

Leicht
STAMPING AUTOMATION



High-tech components for
the metal forming industry

Made in Germany

Markets & Strategy



Customers worldwide

Leicht Stanzautomation develops, manufactures and markets peripheral equipment for punching and forming technology, profiling and extrusion technology, semi-finished goods manufacture and for injection molding and assembly technology. Our customers include suppliers in the automobile, electrical and electronic industries and in aerospace and medical technology. The furniture industry and the manufacturers of white goods also form part of our valued clientele. Leicht Stanzautomation develops future-oriented products, new ideas are presented in our own internal training area, customers are informed and educated.

Trust & Innovation

New impulse

We enter into relationships with our customers, partners and employees based on mutual respect. This requires diversity and creativity from all. Our interpretation of leadership is being a role-model and providing space for all to allow optimum development of their capabilities and to allow them actively to contribute to the future of the company by their personal involvement. Leicht Stanzautomation thinks up solutions to allow visions to become reality. Our drive and ingenuity, in collaboration with our partners, creates the new pioneering impetus for ongoing positive development of the company and its employees.

Partnership & Service

Customers are our primary consideration

Leicht Stanzautomation puts their customers and their requirements at the focus of their reasoning and actions and meets their customers with mutual respect, openness and trust. Our experts are assisting our customers from the development stage to successful commissioning. Our after sales and training support allows us to provide our customers with high levels of uptime and productivity from our installations over their entire life cycle. Our customers are reliably supported in their markets by the consistent implementation of this practiced strategy.



Development & Design

Here we generate your new manufacturing solutions:

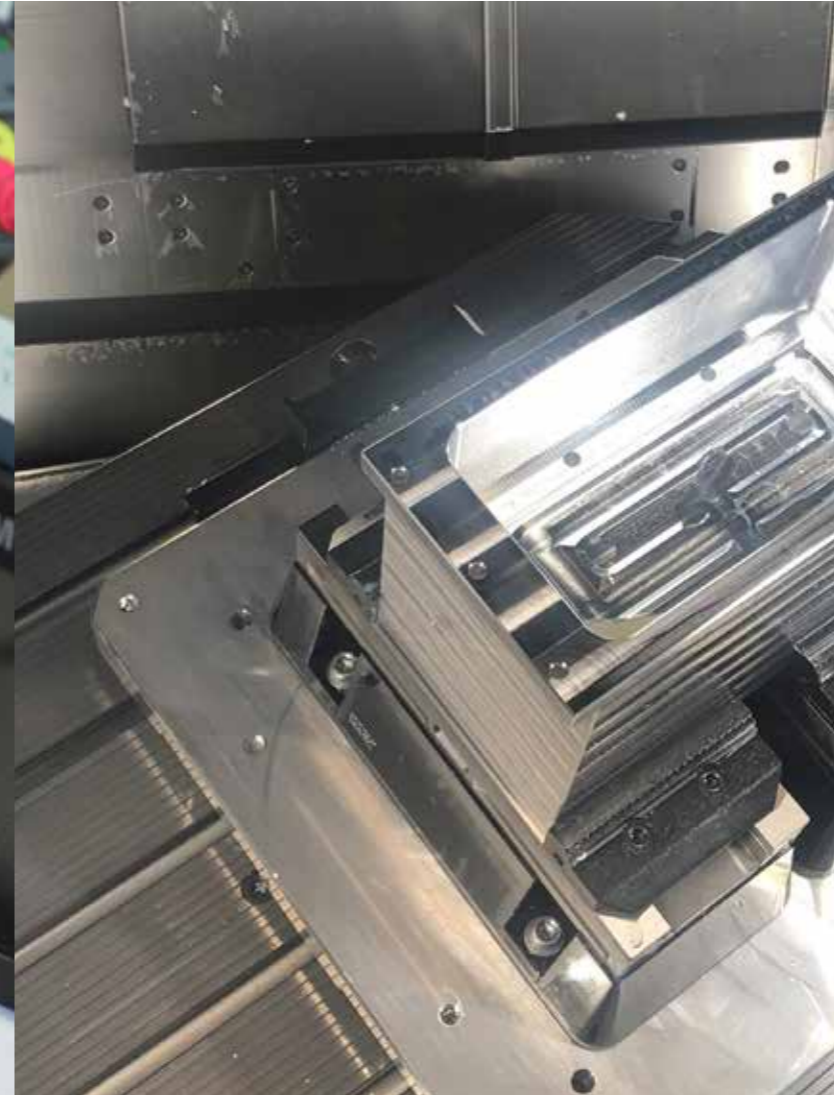
Creative design forms the basis for economical manufacturing. From practical experience for practical experience - the longstanding experience of our designers and an ideal environment comprising of the most modern computer technology and ergonomic office equipment allows us to develop the optimum solution for your application.



Manufacturing technology

If you want the best quality, then you need premium production equipment!

The new machine series C650 by Hermle is at the center of our modern manufacturing facility. An extraordinary machine which serves to inspire and advance our employees, producing parts of the highest precision. For flat grinding and profile grinding we rely on ELB to produce high-precision and reproducible results. A partner who provides pioneering technology in machine and process solutions.



Installation

Service

Delivery worldwide

Premium - the sum of many precision parts

Experience pays: our technicians install the manufactured precision parts with care to create sub-assemblies and complete machines. Only after extensive testing, and a large number of test runs, does your machine receive the approval for delivery. Careful packaging ensures damage-free delivery at the site of installation.

Service from the very start

We are there for you: from the initial discussions our service team will accompany you through acceptance of your installation to its commissioning. Thorough instruction and training of your employees is required for successful use of your machine and is important to us.

Good quality finds its way round the world

Made in Germany: a seal of quality for the highest excellence – Leicht Stanzautomation stands for pioneering technology and know-how.



Straightening modules

Horizontal decoiler

Vertical decoiler

Fast cycle times require rapid decoiling

High speed production with no compromise.

Strip straightening modules: Reduce the material and diameter dependent coil curvature. Up to 17 rollers, set up in an optimum manner, ensure a perfect straightening effect and support your stamping process effectively with regard to extended tool life and increased part accuracy.

Horizontal: Place your material pallet directly on the coil plate and protect your valuable coils. No turning, no setting upright, no damage.

Vertical: You can increase the speed enormously with this, it is better to make parts today rather than tomorrow, is it not?

**Strip straightening modules BRM**

Strip thickness:	0,2 - 2,0 mm
Strip width:	10 - 160 mm
Number of straightening rollers:	9 resp. 17
Roller diameter:	20 mm resp. 30 mm

Strip pull-off units BA Series

Strip thickness:	0,2 - 1,2 mm
Strip width:	10 - 250 mm
BA / BRM available as stand-alone units or as integration modules for the decoilers in the series EW, PW, TW, PTW and VH	

**PW Series**

Strip thickness:	0,1 - 1,5 mm
Strip width:	10 - 250 mm
Max. load:	3000 kg
Suitable for single reel or multi-coils	

**VH Series**

Strip thickness:	0,1 - 3,0 mm
Strip width:	5 - 400 mm
Max. load:	1000 kg
Suitable for single reel, traverse wound coil, wire and line core wires	



Vertical winders

Drum decoilers

Combination solutions

Your entry into high-tech production

Complete all-rounder for multiple applications - space-saving and can be used anywhere at any time. Horizontal, upright or both. Everything is possible. Extremely flexible. Simple. First class.

**EW Series**

Strip thickness: 0,1 - 2,0 mm

Strip width: 5 - 200 mm

Max. load: 250 kg

Suitable as a decoiler or recoiler for reels, single reels, traverse wound coil and wire

Optional equipment: Strip pull-off, strip straightening module, coil tensioner, paper module, pneumatic linear drive, spring accumulator

**TW Series**

Strip thickness: 0,1 - 2,0 mm

Strip width: 5 - 100 mm

Max. load: 1000 kg

Suitable for traverse wound coil

Optional equipment: Strip pull-off, strip straightening module, spring accumulator

**PW BA-BRM Series**

Combination solution: BAseries of strip pull-off units and BRM series of strip straightening modules as integration modules for the decoilers in the series EW, PW, TW, PTW and VH

**PTW Series - Horizontal & Vertical**

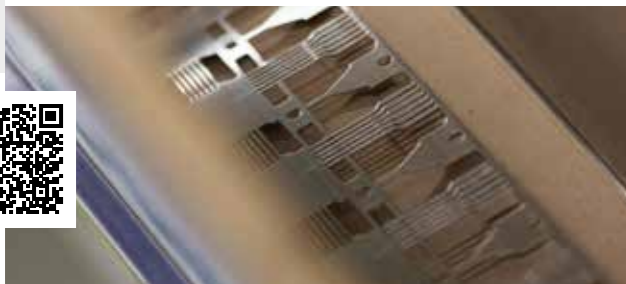
Strip thickness: 0,1 - 2,0 mm

Strip width: 5 - 100 mm

Max. load: 1500 kg

Suitable for single reel and traverse wound coil

Optional equipment: Strip pull-off, strip straightening module, spring accumulator



Arc welding machines

Resistance welding machines

Heat treatment

Laser welding machines

No end of strip in view

In close collaboration with their design and manufacturing department, Leicht Stanzautomation provides solutions for the requirements of your production process with regards to the weld seam.

Welded joints of the highest quality with strict requirements for the formability of the weld seam guarantee uninterrupted production in the processing of un-stamped and pre-stamped strips.

**RSM Series**

Strip thickness: 0,1 - 1,5 mm

Strip width: 10 - 350 mm

Welded joints in materials of the same and different consistency and dimensions

Optional: Precision stitch welding

PSM Series

Strip thickness: 0,07 - 0,8 mm

Strip width: 3 - 120 mm

Welded joints with high-precision stitch welding

Replaceable toolsets

**GLA Series**

Strip thickness: 0,1 - 1,5 mm

Strip width: 10 - 180 mm

Temperature: 200°C - 950°C

Annealing of the welded joint by defined heating, holding and cooling, particularly of carbon steels

**LSM Series**

Strip thickness: 0,05 - 0,6 mm

Strip width: 5 - 80 mm

Welded joints with very slight temperature influence zones for the highest demands on formability



Realize your dream of nonstop production

For parts on a carrier strip: With the new generation of automatic winders (ASW) you will achieve a perfectly result in winding.

Pneumatically controlled and monitored paper Interleaf, strip sample tray for quality control, easy and quick changeovers and an intuitive HMI panel for a significantly improved process.

Automatic Rewinder



ASW Series

Reel change without press stop

Strip Thickness: 0,08 - 1,2 mm

Strip width: 10 - 150 mm

Load/reel max.: 500 kg

Optional: Integration of measuring or testing systems



Horizontal Rewinder



PWA Series

No reels required

Long gap-free running time

Strip Thickness: 0,1 - 1,5 mm

Strip width: 10 - 150 mm

Max. load: 1000 kg

Optional: Integration of measuring or testing systems



Box changer system



KWS Series

Automatic box change without production interruption

Loading and removal when production is running

Suitable for metal and plastic containers

Modular structure with room for expansion



Roller cages

From practice to practice: tried and tested accessories make the day-to-day business in stamping more easy.



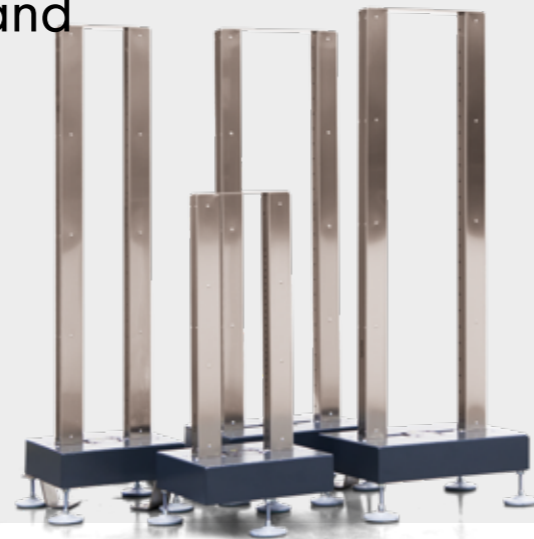
Roller cages

Protects the material for strip infeed and out-feed for mounting on feeders and sound reducing enclosures

Simple installation



Loop control systems



Loop control systems

Safe contactless strip sensing with 40 measuring points and detection of strip tension and strip end

Strip thickness: 0,1 - 3,0 mm

Strip width: 5 - 200 mm

Set output value: 0 – 10 Volt

Supply voltage: +24 V



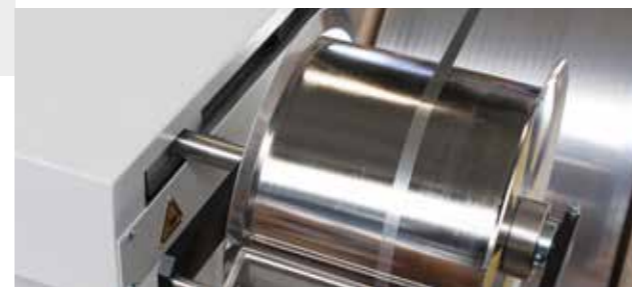
Diverting rollers



Dancer rollers

Electro-polished stainless steel with very good corrosion resistance and longevity, precise concentricity

Optional: Vulcanized coating of strip contact area



Coil centering

Centralization Mandrel

Centralization Mandrel for multi-coil with infinitely adjustable guide braces.



Coil centering

Coil centering for simple installation into the inner core



Stamping and bending technology



BIHLER automatic stamping and forming machine RM-NC with highly-dynamic NC units for the manufacture of complex components

Our solution: Vertical coiler VH series and box changer system KWS-V2.0.

Draw-in length: 60 mm, production speed per minute: 150 rpm, draw-in speed: 9 m/min, draw-in angle: 120 degrees



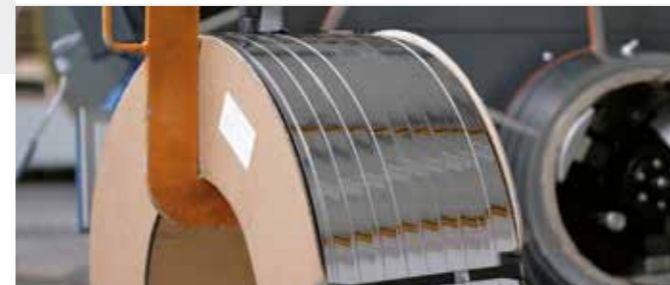
Progressive stamping technology



BRUDERER automatic stamping machine with draw-in feed for the manufacture of high-precision mass parts

Our solution: Vertical coiler from the VH series, fitted with layer-wound strip material (pack-winding) for an extremely long production period without interruption. Recoiler from the EW series (here without protective paper interleaving) with material tension regulation for a perfect winding pattern.

Feed length 74.8 mm at 800 strokes per minute, production speed 60 m/min



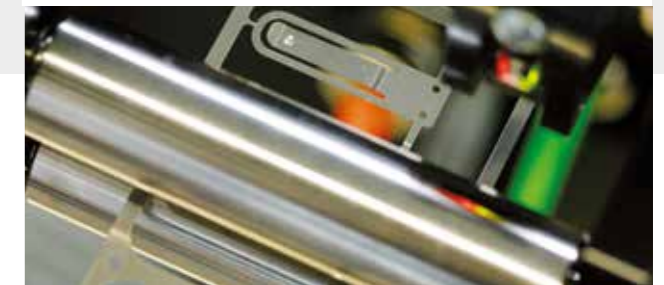
Injection molding technology



ARBURG injection molding machine for the manufacture of hybrid components in the reel-to-reel process

Our solution: Horizontal decoiling of pre-stamped components with pallet decoiler from the PW series. Precision welding machine from the PSM series for precise gap joining at the end of the strip.

Feed length 280 mm, pre-stamped strips, 16 cavities, cycle 12 s



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