

Label printer and applicator



Weber[®]
LABELING & CODING SOLUTIONS

Print and apply labels in one operation.

**Custom-tailored to meet
your requirements.**



To Begin With

Our successful dual-purpose system combines label printing and application.

Our labelling systems print and apply labels in one operation. They have proven themselves thousands of times, and feature high performance, sturdiness and versatility.

Maximum print quality and label legibility combined with quick and precise application. Application rates up to 210 different labels per minute are possible.

Maximum attention was given to a modular design during development of the printer-applicator systems to cover a wide variety of industrial applications.

Up to now we have successfully installed over 5,000 systems on the market using this concept of applicator module, printer module, label rewinders and unwinders as well as a variety of applicators. Weber Marking Systems produce nearly 1.8 billion labels annually.

Highly varying applications...



Sack Labelling

The labelling machine at AKW Amberg China Clay Plant in Hirschau runs non-stop. The labelling cylinder does not touch the product during this operation. Each label indicates the precise filling time.



Keg Labelling

Up to 24,000 labels are attached daily in a moist environment at the Radeberger Brewery near Dresden.



Labelling in the Wood Industry

Labelling of the cartons for wooden bars is accomplished overhead for Meisterleisten Schulte in Rütten.



Labelling of Medical Products

At the Egyptian company Haidylena, blood bags are labelled in a clean room in compliance with the strict regulations for hygiene and safety in production of medical products.

More up to date than ever

Labelling requirements are increasing rapidly, EU 178, EU 135, Standardization of labelling to meet latest GS1 regulations – to mention only a few.

Whether product tracing in quality control, “tracking and tracing” in logistics or custom product marking for just-in-time production, application of current data concurrently with product marking is an absolute necessity for state-of-the-art production. This applies to the food industry, wood processing, pharmaceuticals, chemicals and many other branches.

What are your requirements?

You decide which requirements our printer/applier systems satisfy.

...custom solution!



Pallet Labelling

Optional: With automatic label height adaptation. Allows freely selectable height positions for labelling stacked packages, double pallets or even partial pallets whose height does not allow labelling in conformance with GS1, but still need to be marked.

Container Labelling

Six packs with PET bottles are labelled with a barcode label at Rhönsprudel [Rhoen sparkling water] in Ebersburg-Weyhers after shrinking so they can be scanned easily as one unit at retail outlets.

RFID Labelling

Do your pallets or cases already have a transport label in conformance with EAN Standard 128? Do some customers require an additional RFID label? The Alpha RFID is designed for this job. This label applicator can be integrated into your production line as an additional unit, making it completely RFID compatible. The system writes the variable information on the label using the integrated UHF reader (868 MHz) only when an RFID label is required, and then attaches it to the package automatically.



Special Labels

Our specialists have the right solution for every application requirement. Shown here: Labelling of steel channels on difficult subsurface at the Thuringen Steel Works. The steel beams are corroded, wet and have a temperature corresponding to the ambient conditions.

Solutions Adapted to the Industry

Legi-Air 4050 E Precise, Reliable, Fast.

There are many good reasons to use our print and apply systems. The modular concept of our label printing/application systems allows up to 1,500 different combinations to meet your specific requirements.

Together with our special machine builder, Geset in Esslingen, we are capable of offering custom units that go far beyond the usual solutions.

Moreover, we cooperate closely with partners – who build systems and equipment for specific branches – to ensure that we can also fulfill extended requirements. Even RFID labelling is possible with these systems.

Label roll unwinder

Control Unit

Label roll rewinder

Print module

Applicator

Quick Label Size Change



Quick-Change Tamp Pad

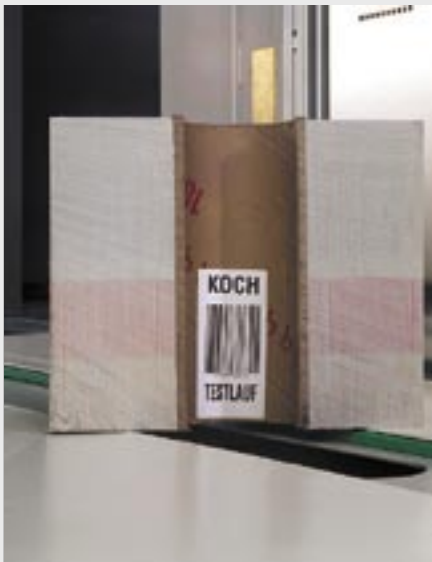


Multiple Chamber Tamp

Our **Quick-Change** feature allows the application tamp to be replaced in approximately 30 seconds.

As an alternative we offer a switchable multiple chamber tamp (depending on specific label size combination) with which only the chambers matching the label are supplied with air.

Labelling on All Sides



Sleeve core labelling



With the **sleeve inner core labelling system**, a special applicator transfers the label to a slightly convex suction/blowing tamp. This tamp is rotated 90°, moves linearly into the core of the roll and blows the label onto the product. Then a foam rubber roller presses it against the inside of the core as it moves out.

For **over-the-corner labelling** an overlapping label is applied to two adjacent sides of the product. This is particularly suited for products which are positioned longitudinally as well as crosswise in their storage location. This ensures that one marked side is always visible.

Two sided labelling (label one on its side, label two on its front or back) is an alternative to the over-the-corner version. The label sides and label positions can be selected freely, so that reference to a corner is not always required. This allows individual sides to be marked with different information as required for the specific product.



End labelling

2 and 3-sided Pallet Labelling



Legi-Air TB-2A



AP 180

The **TB-2A** allows GS1 standard labelling on two adjacent sides of a pallet, without stopping. Even three sided pallet labelling is possible. The **AP 180** has a freely controllable, motor-driven motion sequence for precise and variable positioning of the labels.

Critical Surfaces



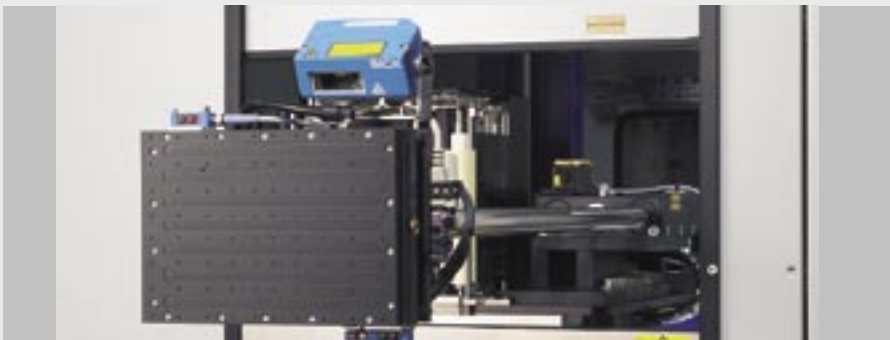
Gimbal tamp



Application at Sachs Company

The spring-loaded **gimbal application tamp** is used to press labels onto difficult product surfaces such as rough-sawn wood surfaces. The spring mount allows the applicator head to adapt easily to product surfaces positioned at an angle. Upon contact with the product, an integrated sensor (optional) is activated to blow off the label as well as start the return motion.

Maximum Label Security



Scanner

A **scanner** on the applicator checks the printed or applied label. Units are also available which operate independently to the labeller.

Particularly Fast



Blow box



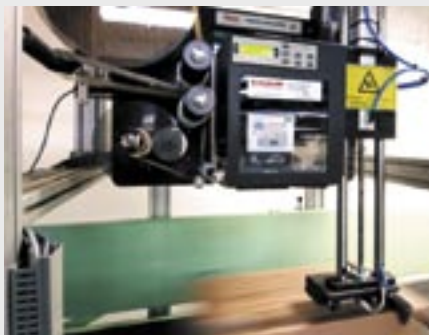
Quick stroke application tamp

The applicator-type **blow box** provides for maximum application rates. In “print-apply operation”, up to four labels per second are possible; in the “apply-only mode”, rates up to more than 35 labels per second are possible. Application distances (bottom of blow box to surface of product) of up to 100 mm are possible, depending on the label material and size.

Bridging Variable Heights and Long Distances



Long application stroke



Application at Quelle-Neckermann

A sensor-controlled, variable **application stroke** is practical for differing product heights in combination with label positioning. A long stroke is optimum for labelling products with highly varying dimensions. Application strokes of up to 1.20 m are possible. Labels with dimensions of up to 180 x 300 mm can be processed.

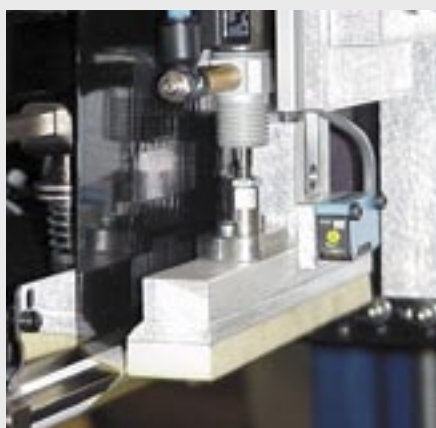
Height-Positioning-Unit (HVE)



Automatic label height adaptation

Standardized height adjustment units are available for moving the print-and-apply system to the desired labelling position. These can be: manually positioned by hand, pneumatic piston driven by air, or electric motor driven. This allows freely selectable height positions for labelling stacked packages or double pallets.

Particularly Precise



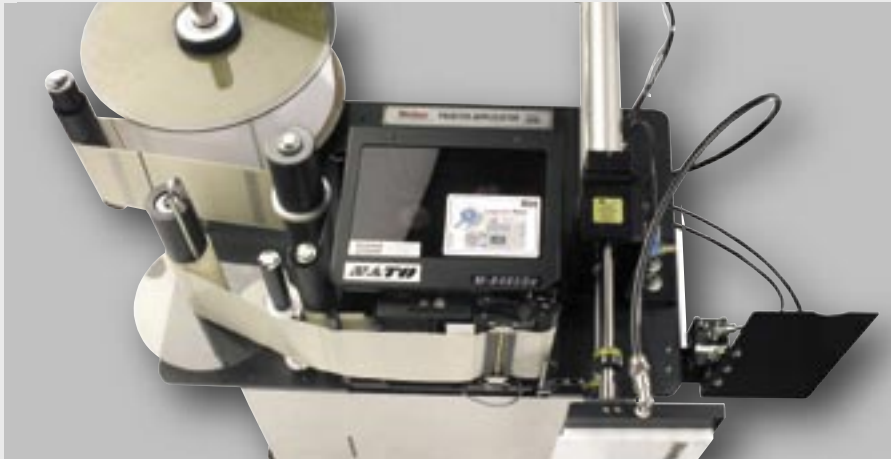
Special tamp stop



Precision labelling

The **high-precision applicator units** provide for tolerance accuracies of ± 0.5 mm. This allows applications such as labelling window channels or circuit boards.

RFID



Legi-Air 52xx-RFID with Bad Tag Reject Arm

RFID (Radio Frequency Identification) allows optimization of logistic processes. An integrated RFID print module in our label printer-applicators supports all existing RFID standards. Defective RFID labels are sorted out by the bad tag reject arm. As a member of the RFID/EPC implementation network for GS1 UK we actively cooperate in development of standardized RFID applications.



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Application tamp for Flag Tag® RFID labels



Printing Equipment/Modular Design



Printing module in table support



Datamax printing module



Zebra printing module

Our printing systems are designed modularly to flexibly cover a wide variety of industrial applications. Our line of printing modules also offers maximum variety.

The printing modules offer optimum adaptation to the application and therefore the required capabilities for the specific printing applications (e.g. types of barcodes available), communications capabilities (interfaces and protocols), print head solutions, utilization of optimum printing width and processing speed.

Printing modules from all leading manufacturers such as Zebra, Sato, Avery and Datamax can be used. This guarantees maximum adaptability to future requirements as well as flexibility in selecting printing and communications equipment.

Housing for Adaptation to Special Environments

Air-conditioned housings for temperatures above or below system specifications; for example, air-conditioned housings or heated housings for deep-freeze applications. Housings are even available for environments with high concentrations of dirt and dust.



Protective housing



Alarm light

Alarm Equipment (depending on system configuration)

- Large, easily readable text displays,
- Alarm light,
- SMS or email notification of malfunction,
- Acoustic signals,
- Service interval display,
- Digital I/O interfaces.



Display unit

Rittal protective cabinet with built-in IPC and attached backup printer



Control and Networking

The peripheral equipment is connected seamlessly. Here we offer hardware connections using common standards such as Ethernet, Profibus, serial and parallel data connections and USB, all of which can be combined flexibly with one another.

Our software ranges from UNICCOE-compatible LLS layout design software to a validated LLS-Secure version all the way to DSS manager application software allowing direct connection to the present administration computer.

Terminal boxes and industrial PCs are available for the operation of different software packages.

Modules such as scanners, cameras and special sensors guarantee reliability for labelling.

Connection to Present IT Structures



EMS Software



LegiBox II

IPC's and terminal boxes in combination with application software – such as our DSS manager or our EMS software – provide maximum flexibility for adaptation to existing installations.

- Connection to ERP systems such as SAP, BAAN, Qualifax, and many others,
- Realtime nominal/actual comparison of printed barcodes in combination with a scanner,
- Networking of a number of systems,
- Clear operation,
- Management and assignment of serial numbers (e.g. NVE counters).

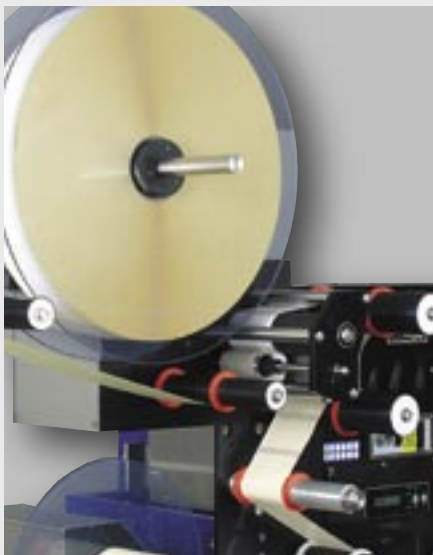


KDU Plus-Keyboard

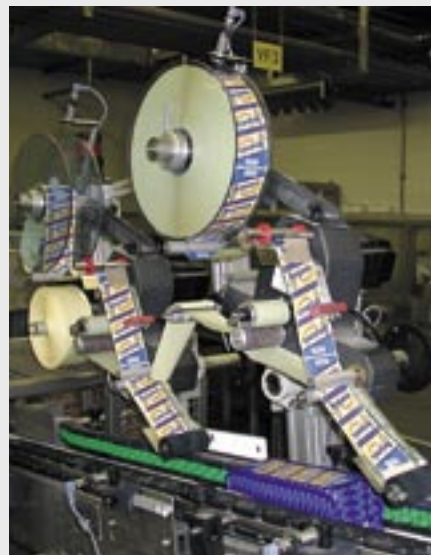


IPC

Fewer Interruptions to Production



Large roll of labels



2 synchronized systems

The **PUO large roll rewinder/unwinder** allows processing of label rolls with a diameter of up to 430 mm (900 running meters).

Tandem operation ensures continuous production. Downtimes for changing label rolls are minimized.

Standard and Special Labelling Systems

The extremely high performance, standard labelling systems from Geset process up to 350 products per minute. They are user-friendly and highly flexible for the automatic labelling of highly differing products on operating production lines.

Side Labelling

With the SE 1600 side labelling unit, the products are first centered and aligned by a wheel alignment device. Labelling is accomplished in the next step.

Up to 250 products can be labelled per minute in this manner.

Labelling of Cylindrical Products

The RUE circumferential labelling unit is ideal for labelling cylindrical products.

The three-roller system guarantees high application accuracy. It is even possible to apply two labels aligned with one another in one operation. The winding system for labelling on the circumference guarantees high production capacity. The system labels 100 products per minute.

Wrap-around labelling

The RSE 2500 circumferential and side labelling unit has a modular design for maximum versatility. A variety of basic types of bands and transport belts and chains are available. In side operation, the unit applies up to 350 labels per minute, in the circumferential mode it is capable of rates up to 100 products per minute.

These systems offer the possibility of marking the products with batch numbers, production or best-before dates in combination with thermo-transfer and hot foil printers, inkjet or laser coders.



We consider ourselves to be partners with our customers. That is why it is also important for us to provide also after-sales service.

24 h Hotline

Our 24-hour hotline provides quick and competent help around the clock, Monday to Friday.



Service Support Points

More than 150 system consultants and service technicians are available in the BluhmWeber Group for quick help and planned maintenance service.

Training

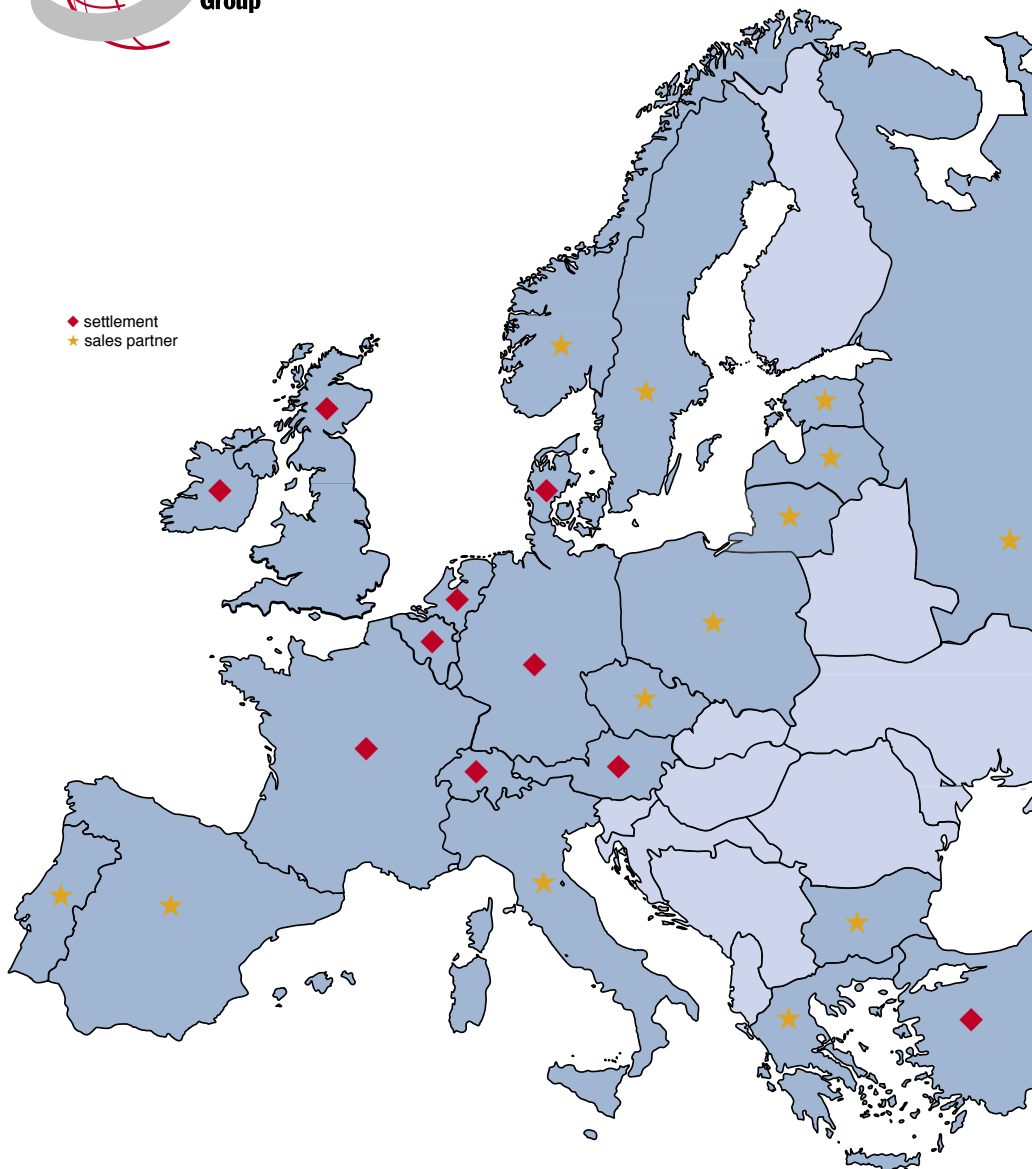
Proper operation of the equipment is important for securing current production and avoiding unnecessary down times. That is the reason we offer training on our systems, if desired; and last, but not least, to keep their knowledge current following software updates.

Service Contract

Maintenance contracts with regular service extend the life of your equipment. Regular maintenance is ensured automatically within the scope of our custom-tailored maintenance contracts. You simultaneously profit from price advantages in provision of replacement parts and interim equipment while yours is being repaired.



◆ settlement
★ sales partner



Always at Your Side

A well developed network for service and system consultation ensures maximum customer proximity and short reaction times. We are there for you from planning to "After Sales Service".

The companies in the BluhmWeber Group in Europe:

	Austria
	Belgium
	Danmark
	France
	Germany
	Germany
	Germany
	Germany
	Netherlands
	Switzerland
	Turkey
	United Kingdom

Over 35 years of experience in highly varying branches and a variety of state-of-the-art technologies are our strength and therefore benefit you.

For us, marking does not mean simply providing equipment. Intensive, detailed analysis of your situation and requirements is important to us. And it provides the perfect solution for you.

The systems used for this purpose are always state-of-the-art, so you can realize your objectives quicker, more precisely and more economically.

Our well-trained staff are always available for application consultation, sales and service. As our customer you receive all these services from one source.

We supply custom made handling devices and assembly holders with our equipment. Naturally, we also ensure that everything is installed properly. This even includes careful familiarization and training for your operating personnel.

You can trust our experience



Profit from Clever Financing

With Bluhm Leasing GmbH, we offer our customers a financial solution to match their system.

Through leasing, companies profit from tax advantages as well as from a higher equity ratio. This provides financial leeway. An additional advantage: Fixed leasing rates for reliable planning. Moreover, automatic and, quicker replacement of the equipment ensures that you are always in keeping with the state-of-the-art.

At Home in Many Markets

We have worked successfully in many markets and for well-known companies. It's how we've gained the knowledge from which you profit.

Our customers include companies from the following fields:

- Food and beverage industry,
- Textile and clothing,
- Cosmetics,
- Chemicals,
- Medical products,
- Electrical, communications equipment and IT,
- Suppliers to the automotive industry,
- Machine construction,
- Services,
- Commerce.

Benefits / Advantages

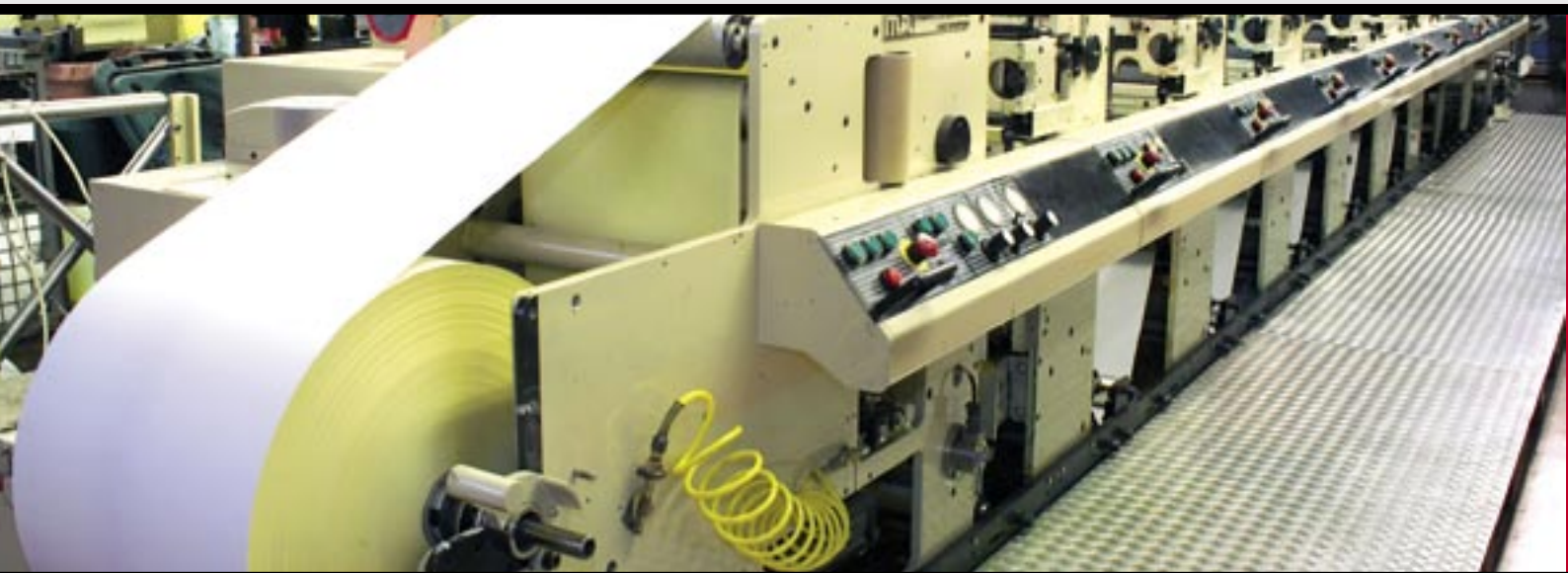
The BluhmWeber Group consists of a number of companies, which have developed and produced systems and equipment for industrial marking technology for decades. Moreover, we produce labels of all types, from standard labels to adhesive labels and five-colour decorative labels in our own label production facilities. Product know-how on the one hand and customer proximity on the other guarantees the best possible quality and service for our customers.

The following companies belong to the German Group:

Bluhm Systeme GmbH
Geset Etikettiersysteme GmbH
Mark-O-Print GmbH
Weber Marking Systems GmbH



Weber[®]
LABELING & CODING SOLUTIONS



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