

**ACHIEVING  
OUTSTANDING  
DECORATION  
SOLUTIONS**



**Dr. Axel von Wiedersperg**  
Managing Director/CEO

**Maximilian Schneider**  
Managing Director/CFO

# We are the Brückner Group

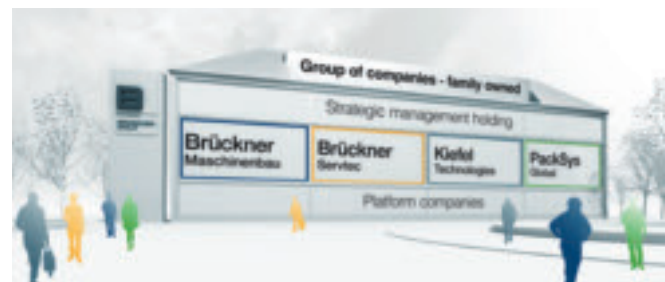
Long-term thinking – the key to success.

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The Brückner Group has been family-owned since it was founded in 1960. This has shaped the group to the present day and is reflected in particular in a long-term strategic orientation – a significant success factor for our customers and ourselves.

Within the plastics and packaging industry the Brückner Group members are global market and technological leaders for machines, systems and services. Brückner Maschinenbau, Brückner Servtec, Kiefel and PackSys Global are the foundations of the group. While exploiting their advantages, such as a strong worldwide presence, technological know-how transfer and leading positions in a globalised world, they act independently and can concentrate on their specific markets. This allows each company to focus on meeting their customers' individual requirements and on delivering complete customer satisfaction.

The group has more than 2,600 employees and 29 locations in 15 countries worldwide. It is led by the strategic management holding company, Brückner Group GmbH.



Brückner Group GmbH defines the group-wide long-term strategy and provides the individual companies with a strategic direction. It is also responsible for group merger and acquisition activities. Besides setting standards and guidelines in order to ensure transparency and compliance, the management holding supports group members by providing a variety of central services as well as expertise in a number of specialist areas.



**Beat Rupp**  
CEO PackSys Global

# PackSys Global

Creating packaging technology.

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PackSys Global manufactures highspeed machines and complete lines for plastic and laminate tubes as well as folding and slitting machines for plastic and metal beverage caps. Its advanced packaging equipment is ideally suited for oral and personal care, cosmetic, beverage, pharmaceutical and other industrial markets.

Besides Madag Decoration, PackSys Global comprises two other companies as part of this Swiss group: Combitool Solutions, a well-known laminate and extruded tube manufacturer and Texa Packing who is specialized in the development and construction of packing machines.

In 2013, Madag Decoration, the leading Swiss manufacturer for automatic hot stamping machines, became a member of PackSys Global, thereby extending the product portfolio. All companies enjoy renowned reputations for Swiss precision engineering.

# About Madag Decoration

Achieving outstanding  
decoration solutions.

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## **The right choice for every requirement**

Whether packaging or machine industry, automotive or medical branch; Madag Decoration is your competent partner. Its comprehensive range of hot stamping machines offers solutions for every individual challenge. Know-how and long-standing experience are the guarantors for quality and precision. Convince yourself of the customized variety of Madag hot stamping machines.

## **Innovative, flexible, versatile**

Madag Decoration is the leading manufacturer for automatic hot stamping machines. Our proven capacity for innovation allows us to find a flexible and reliable solution for every single requirement. A highly motivated team of specialists dedicated to reach the leading position in each market segment for hot stamping machines, is looking forward to informing you about the user-specific versatility of our systems. Benefit from our long-standing experience and know-how in various sectors.

## **Added value for customers**

Madag Decoration stands for expertise in developing, building and servicing hot stamping systems that meet the highest requirements of efficiency, speed and precision. The systems are developed and built in a modern facility in Fahrweid, Switzerland. The company provides added value to its customers' products through the application of advanced decoration and inscription technology.

## **Trustworthy partners**

The performance of Madag Decoration is enhanced by reliable suppliers who are incorporated into the production processes. This also ensures quality and on-time delivery.

## **Developing mutual success**

Madag Decoration focuses on its customers' needs, creating innovative solutions to satisfy them. The selection of the latest technologies and the use of proven components guarantee maximum customer benefit.

# Swiss Quality for your Production

Our portfolio.

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Tube Hot Stamping  
Machine  
TubeLiner-TPA8



Roll-on Hot Stamping  
Machines  
DecoRoll-XC, XD, XM & XG  
DecoRoll-ZR



Multifunctional Automation  
Machines

DecoMat-LS100 & LS200  
DecoMat-RS800  
DecoMat-HP4

Stroke Hot Stamping  
Machines

DecoPrint-H20  
DecoPrint-H60  
DecoPrint-H120



# TubeLiner-TPA8

Performance-based selection.

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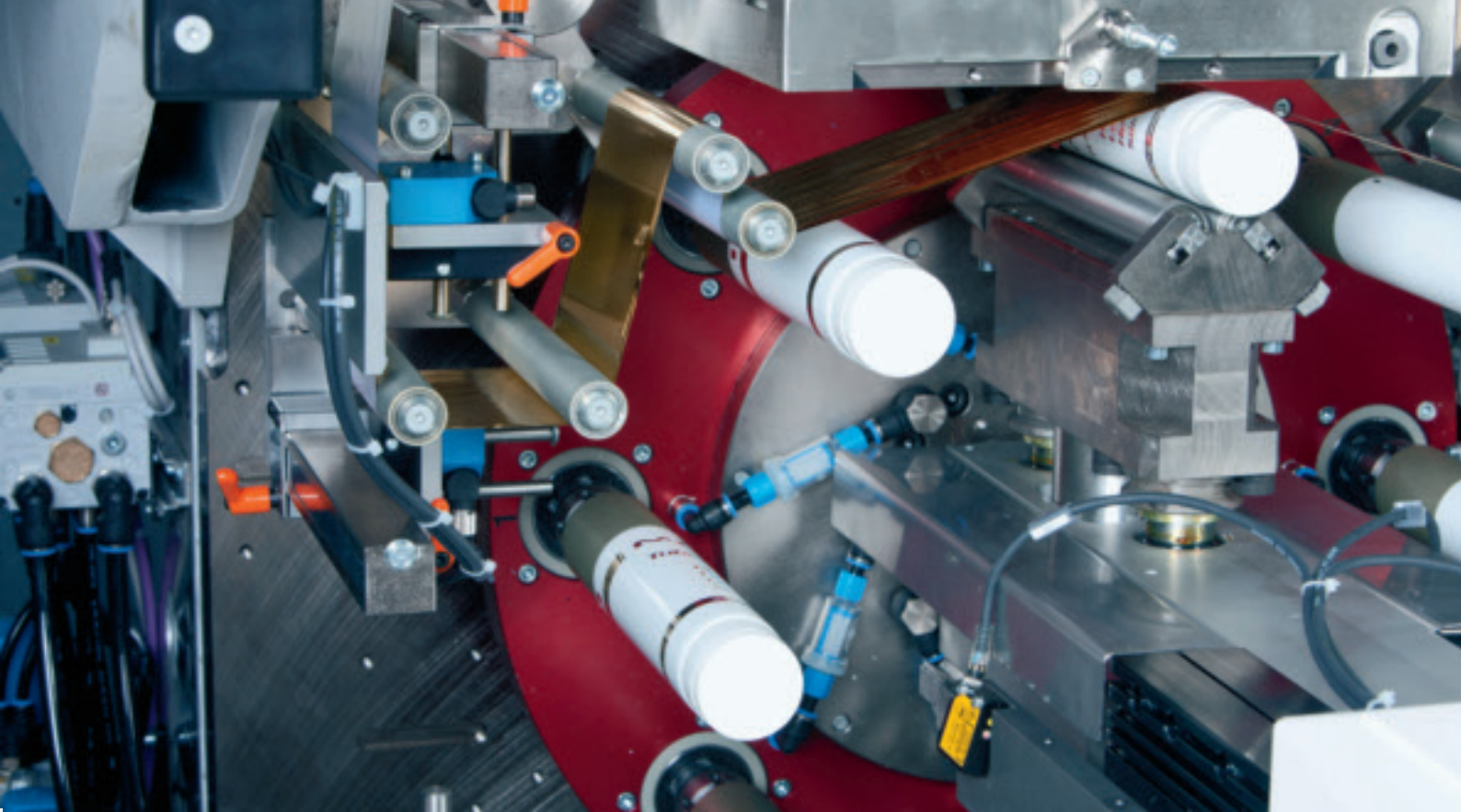


## TubeLiner-TPA8

High precision hot stamping of cylindrical and oval plastic and laminate tubes and sleeves

- With or without caps
- Heat transfer applications
- Labeling and silk screen printing
- Output of up to 110 tubes per minute





# TubeLiner-TPA8

Great benefits due to speed, efficiency and precision.

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## **Speed**

All TubeLiners are operated, monitored and retooled from the front. This ideal access point allows quick foil change as well as rapid adjustment of the stamping unit. Thanks to the automated mandrel change, the automatic adjustment of the tube positioning as well as the quality inspection system, an extremely rapid production changeover will become a cinch.

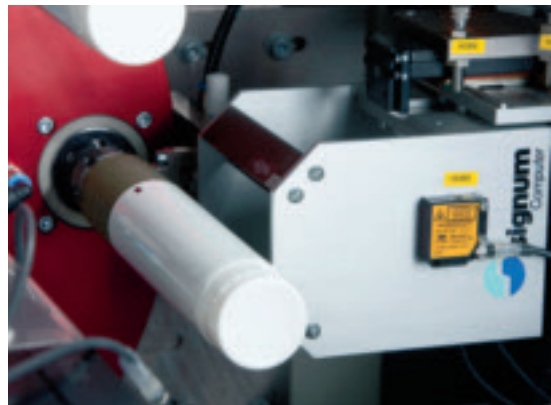
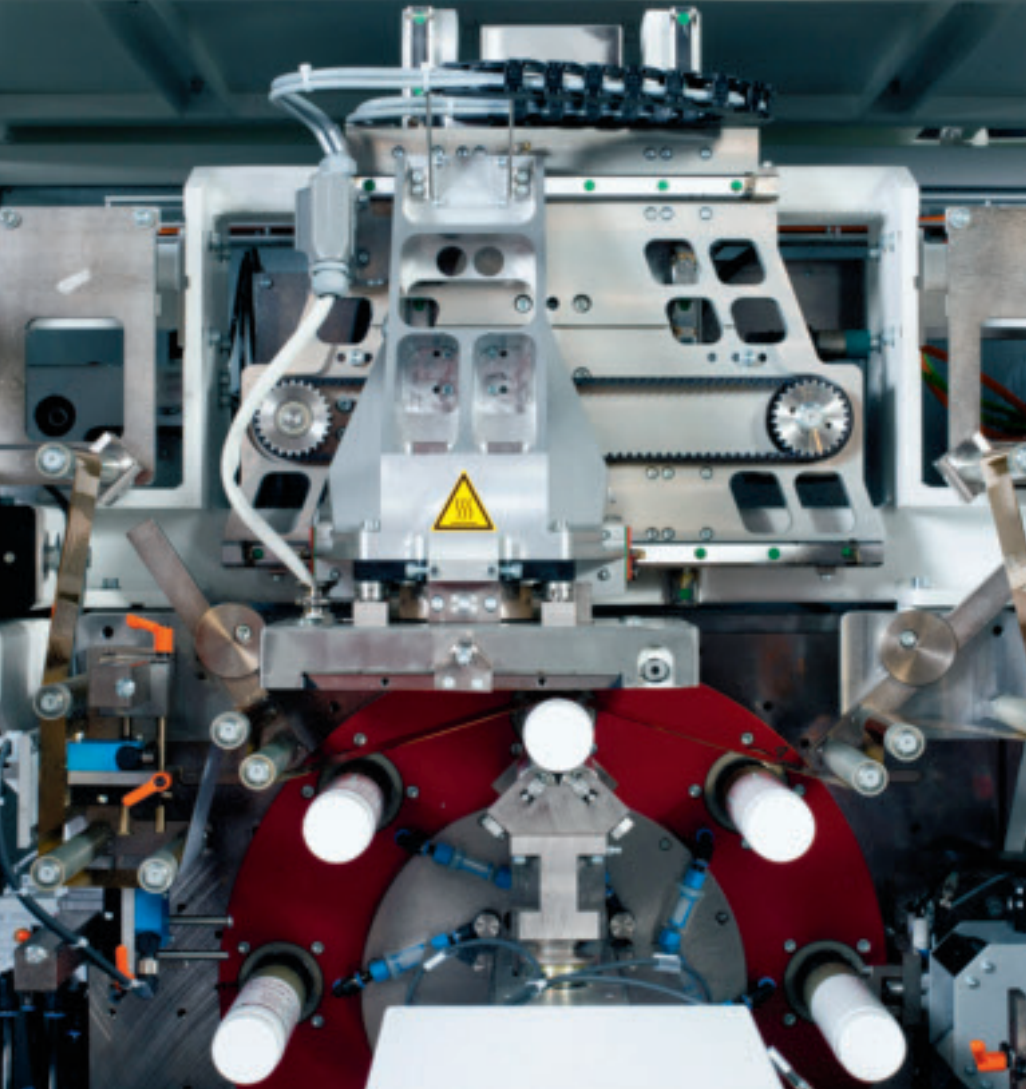
## **Efficiency**

State-of-the-art controls make an absolutely reliable production operation possible. All machine movements of the extremely robust and wear-free precision mechanics are controlled by servo drives. The fully automatic stamping inspection with high-resolution camera ensures that only perfect tubes reach the finishing process. This eliminates time consuming manual checks.



## **Precision**

With quiet, dynamic rotation motion, an unparalleled foil feeding system and the high-resolution positioning system, unmatched stamping accuracy is assured even at maximum output. A further benefit is that all production parameters can be retrieved and reproduced at any time so therefore no production know-how gets lost.



# Thoughtful Details

For a perfect process and highest performance.

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## **Multi-mandrel concept**

The exclusive Madag high precision multi-mandrel concept with a 8 station indexing table is incredibly fast and precise. Various sub-processes like tube positioning, pre/post-treatment, quality inspection and others are done on individual mandrels thereby minimizing downtime and making the speed of the overall production process unrivalled.

## **Application-specific configuration**

Due to the modular build-up of all Madag hot stamping machines, an application-specific execution is easily possible. Various stamping heads (flat, segment, double-segment, round or stroke stamping head) can be combined to accommodate individual requirements. Even the easy and quick exchange of the entire hot stamping unit with a labeling

unit or one-color silk screen printing unit is possible expanding the utility value of the Madag equipment enormously.

## **Accuracy**

In order to achieve an outstanding hot stamping decoration result precision is of utmost importance. This is achieved by extraordinary high-precision mechanics, state-of-the-art servo drive technology and the use of a high resolution camera positioning system that allows real time registration of the parts in relation to a reference mark or even a pre-print already applied on the part.



# DecoRoll – Roll-on Hot Stamping Machines

Hot stamping of sidewall,  
top and top embossing  
in one process.

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## DecoRoll-XC for long caps

High precision roll-on hot stamping of  
circular or non-circular parts made of  
aluminum or plastic

- Top stamping and top embossing
- Heat transfer applications
- Labeling and silk screen printing
- Output of up to 110 parts per minute



## DecoRoll-XD

High precision roll-on hot stamping of  
circular or non-circular parts made of  
aluminum or plastic

- Top stamping and top embossing
- Heat transfer applications
- Output of up to 200 parts per minute



# DecoRoll Series

Wide range of applications  
thanks to modular concept.

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## DecoRoll-XC for cosmetics

High precision roll-on hot stamping of  
cosmetic closures

- Stroke or roll-on hot stamping up to Ø 50 mm
- Heat transfer applications
- Cleaning system
- Output of up to 85 parts per minute



## DecoRoll-ZR

High precision roll-on hot stamping of cylin-  
drical counter rollers

- Output of up to 40 parts per minute



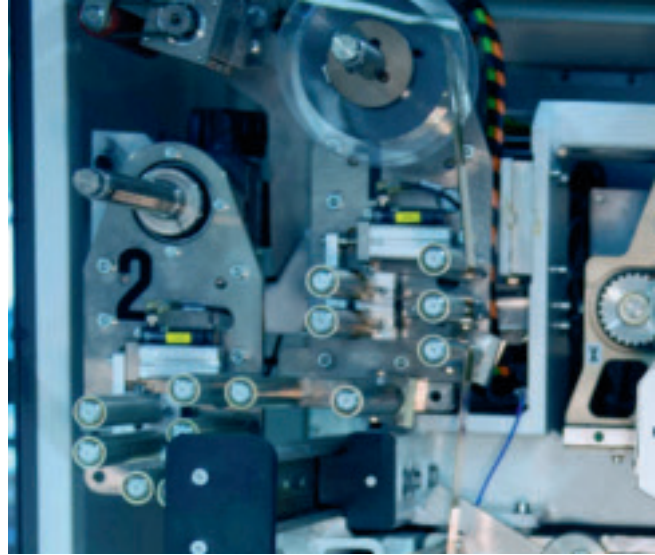
## DecoRoll-XG

High precision roll-on hot stamping of  
perfume, liquor and beverage glass bottles  
and cream jars

- Heat transfer applications
- Labeling and silk screen printing
- Output of up to 70 parts per minute

### Foil feeding system

The unique Madag foil feeding system assures a constant foil tension throughout the entire production process. The foil-saving mode reduces costs of consumables to a minimum. A dual foil feeding system allows further economical foil consumption or a multicolor decoration in one production process.



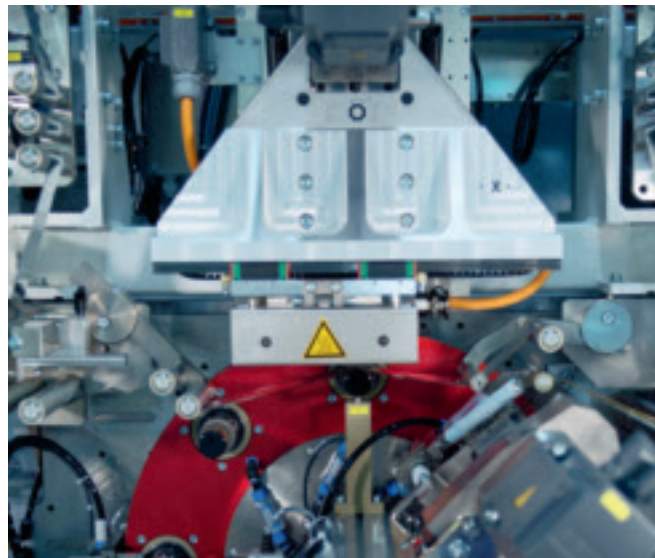
# Comprehensive Range of Accessories

For ultimate versatility.

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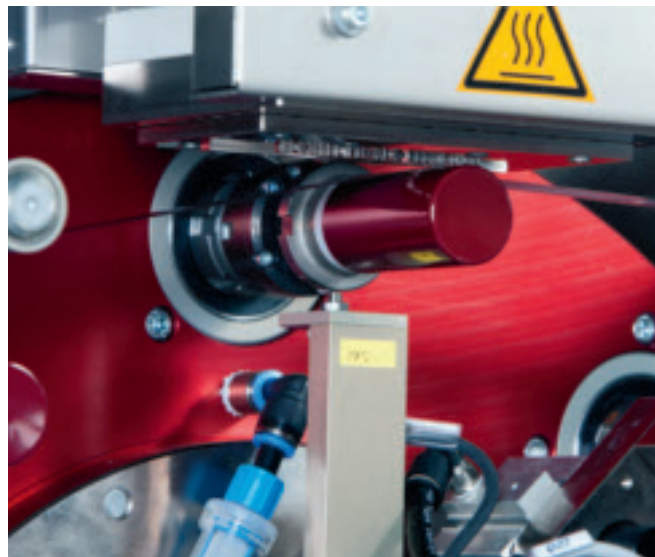
### Hot stamping unit

The entire hot stamping unit is mounted on rollers and is therefore automatically extendable and very accessible. Foils and clichés/dies can be easily exchanged. Even the use of a labeling unit or a one-color silk screen printing unit is deployable.



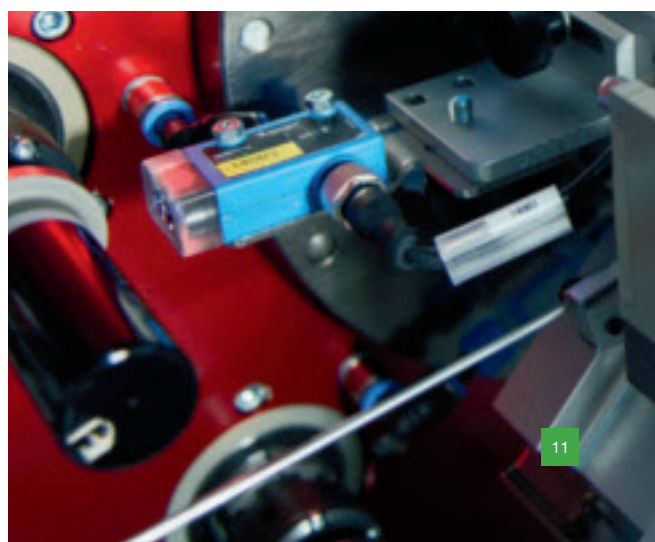
### Hot stamping heads

Independently if a flat, segment, double segment, round or a stroke stamping head is used – all stamping parameters are simply and quickly adjusted, even during production.



### Part positioning/registration

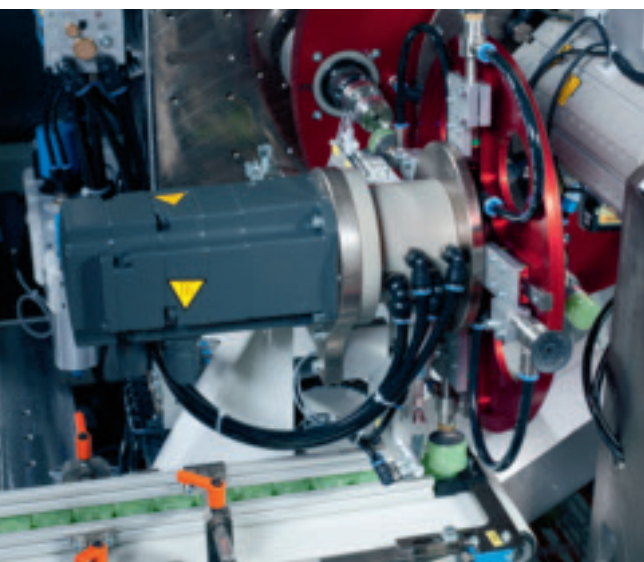
Depending on the application and production process, the positioning of parts is done by means of an eye mark sensor, mechanical sensors or a high resolution positioning camera.





#### **Top stamping and embossing**

Besides the standard side wall stamping, top stamping and top embossing units (for aluminum closures) are deployable. Without any loss of performance the utility value is increased and the return on investment is improved.



For ultimate versatility.

#### **Part loading and unloading**

Regardless if aluminum, plastic or glass is processed as bulk goods or ordered – the respective loading/unloading system assures a precise and reliable overall process. Chute, loading star wheel or handling device are also available options.



#### **Quality inspection system**

Printing quality as well as positioning of the decoration is verified by an inspection camera. This ensures a 100% real time inspection of all processed parts.



#### **Control and operation system**

The control systems are based on the most modern technology available and have been built to the latest technical knowledge. Touchscreen panels are simple to operate and monitor extended production and failures. An integrated maintenance adapter facilitates instant remote support and assistance.

# DecoMat – Multifunctional Automation Machines

Combining complimentary production steps in an overall process.

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## DecoMat-LS Series

Modular hot stamping machine for flexible decoration in stroke or roll-on stamping mode of cylindrical, crowned angled and non-circular parts like mascara, barrels, pencils, liners, lipsticks and caps

- Top or side stamping
- Heat transfer applications with foil
- Output of up to 35 parts per minute / per stamping module



## DecoMat-RS Series

Multifunctional hot stamping machine for flexible and high precision hot stamping of cylindrical, angled or non-circular parts

- Full surface foil metallization
- Top or side stamping
- Heat transfer applications with foil
- Assembly operations or integration in complete processing lines
- Output of up to 3'000 cycles per minute



## DecoMat-HP4

High precision hot stamping for various articles for the plastic, white goods and automotive industries



# DecoMat-LS100 & LS200

Complex part geometries require simple processing concepts.

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## Your benefit

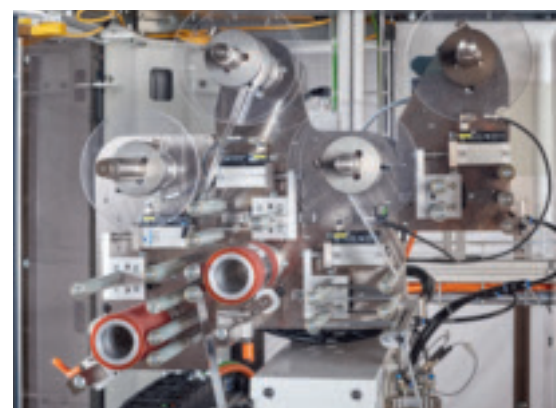
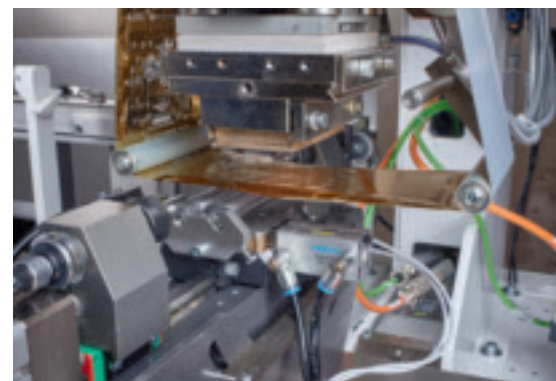
- Highest production flexibility due to modular concept
- Simple and quick changeover to another processing combination
- Multiple/Multicolor decoration in one process
- Stroke or roll-on stamping mode

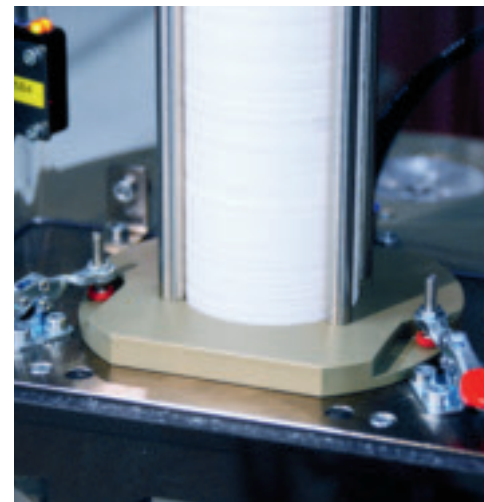
## Precise part placement

The loading of parts is done via a 2-track conveyor respectively that is adjustable to different parts' dimensions. A linear motor pick-and-place handling takes the part from the loading position into the part holder. At the end of the decoration process the finished parts are unloaded via an integrated chute or, alternatively, placed back in a defined position onto the loading/unloading conveyor.

## Proper decoration

The modular design allows complex stamping combinations (multi-area/ multi-color decoration) in one continuous process by linking the hot stamping modules together. The processing of cylindrical, angular or non-circular parts is set-up electronically and monitored. It is therefore absolutely reliable and reproducible at any time.





# DecoMat-RS800

Sophisticated stamping combinations  
in one continuous process.

## Your benefit

- Selection of up to 5 different hot stamping modules
- Up to 4 hot stamping modules deployed simultaneously
- Fully automatic placement robot
- Assembly operation within the machine
- Inspection system for 100% quality control
- Compact design

### Accurate processing

Depending on the requested overall working process, the modularity of the DecoMat-RS800 offers a combined use of various stamping modules. Roll-on stamping modules for top or side decoration with either a round or flat stamping head can be combined with stroke stamping modules. This allows complex stamping combinations in one continuous process. Even small assembly operations like the introduction of a liner into a closure are easily possible.

### Selectable degree of automation

With a pick-and-place handling the parts are taken from the loading conveyor and positioned onto the part holder. Once processed, the finished parts are again picked up with a handling module and placed onto an unloading conveyor.

### Alternative option

The DecoMat-RS800 can be equipped with a fully automated robot system. Part trays are fed over a feeding conveyor to a four-axis robot, which is fully automatic in loading and unloading the machine. The robot system is optimally arranged in order to carry out additional functions.

# DecoMat-HP4

Servo drive technology also for highest pressures.

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## Your benefit

- Highest energy efficiency  
(30 – 50% saving in relation to conventional hydraulic presses)
- Highest precision and constant quality by keeping a fully reproducible process
- Clean working conditions as no hydraulic oil and compressed air is used
- Reduction of total cost of ownership

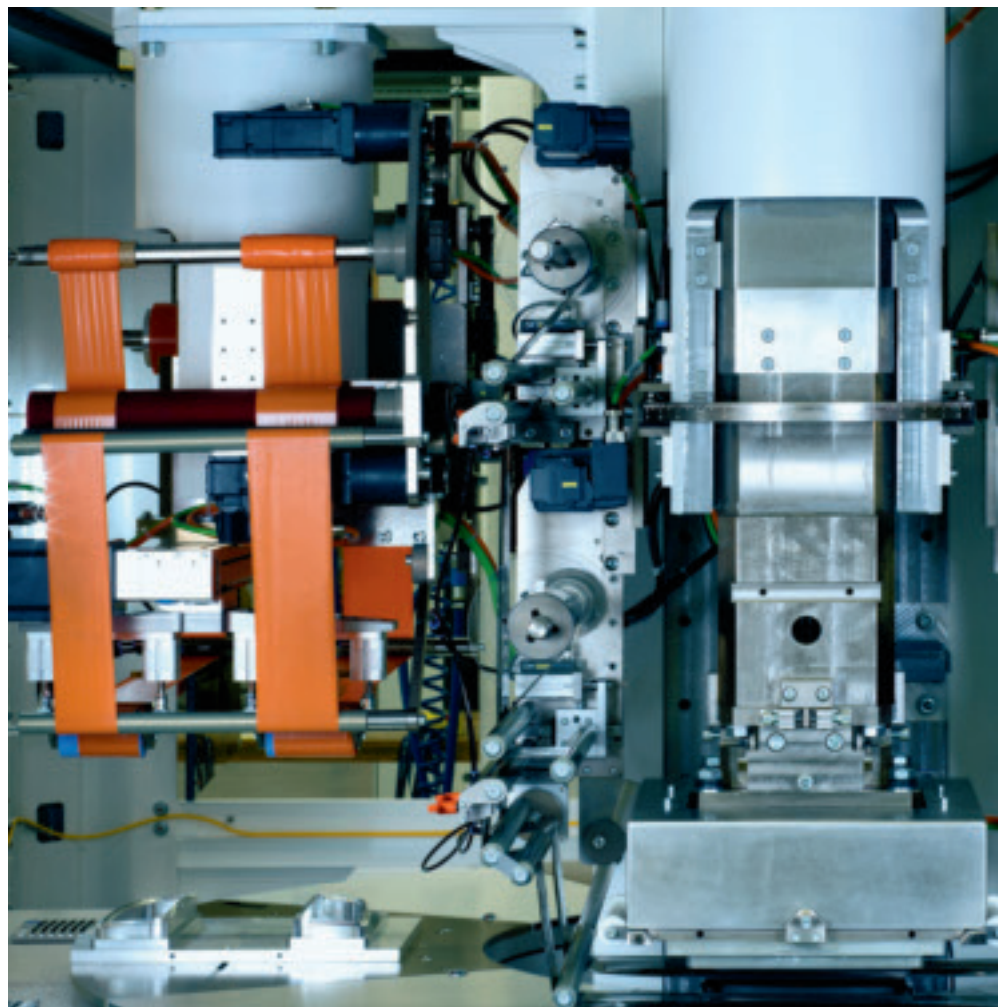
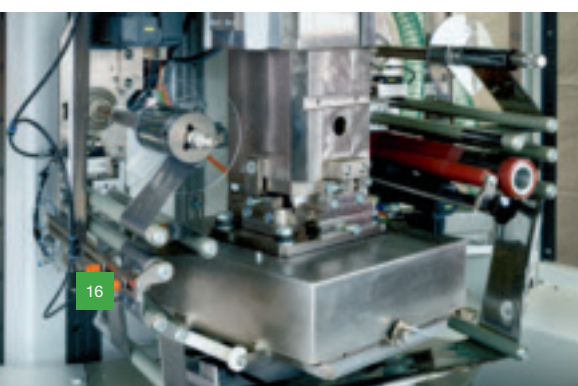
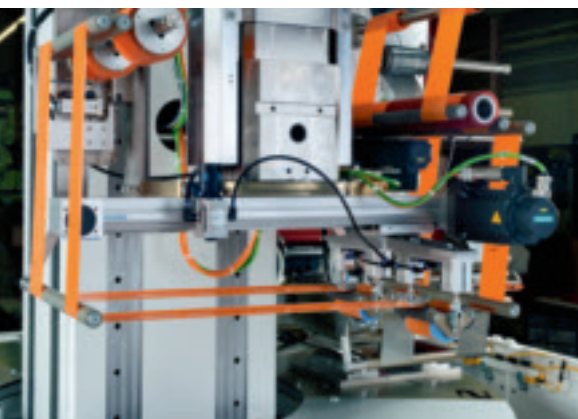
### Flexible expansion

DecoMat-HP4, with 4 stations, has been developed for high precision hot stamping of plastic parts for the automotive and white goods industries, or in general for bigger size parts within the plastic industry. Depending on the part size and requested decoration, it can be equipped with application-specific stamping units with a stamping pressure of 20, 40 or 60 kN. Various stamping heads cover a wide part spectrum.

### Energy efficiency

The stamping modules operate with a high precision spindle. This spindle is electrically driven by a servo motor, without any compressed air or hydraulic oil. This unique concept ensures:

- Highest production flexibility due to modular concept
- Selection of up to 4 different hot stamping modules
- Foil saving stamping head arrangement
- Fully automatic in- or offline operation
- Low operating costs due to high energy efficiency







## That's what you get by using Madag Technology!

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An optimal, fine-tuned process chain that guarantees best performance starts with a thorough collection of the customer's requests conducted in close collaboration with our product development. We work in close cooperation with our partners and suppliers who manufacture and procure individual parts and sub-assemblies that are then assembled on machines at Madag Decoration.

Prior to delivery all our machines go through an intensive performance and production simulation. Finally, our hot stamping machines are commissioned at our worldwide clientele and handed over to the operators.



# Expertise in each Discipline

The key to perfection.

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## **Sales & Marketing – profound intake of requirements**

To achieve a sustainable success in the competitive market for hot stamping machines it is of highest importance to know the customer's requirements exactly. A profound and reliable consultation constitutes the basis for a long term partnership and cooperation.

## **Procurement & Logistics – long-time cooperation**

Individual parts and semi-assemblies for our hot stamping machines are created in close cooperation with proven long-term system partners. Only top products that meet the international quality standards are used.

## **Research & Development – key to sustainable success**

Standstill means a step backwards! Consequently Madag Decoration invests in continuous research and development of its hot stamping machines. Highly qualified and competent employees work on solutions for tomorrow.

## **Assembly & Commissioning – dedication to quality**

All hot stamping machines are assembled according to customers' specifications by experienced experts and run through a clearly defined commissioning and control process. Before machines go into service at the premises of our worldwide clientele, a Madag in-house pre-acceptance is carried out.

## **Customer service – entirely at your disposal**

If you require support – despite the above-average reliability of our hot stamping machines – you can always trustfully address your inquiry to our customer service. Whether it is first-level support, an update of your control system, a maintenance agreement or a spare part order, our experts are at your complete disposal.



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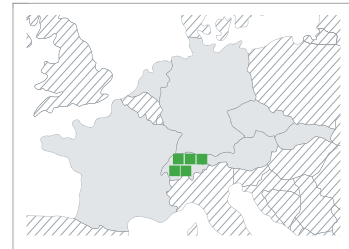
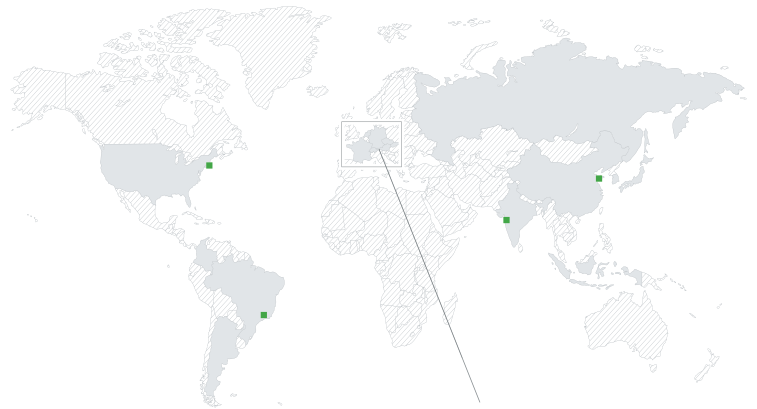


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