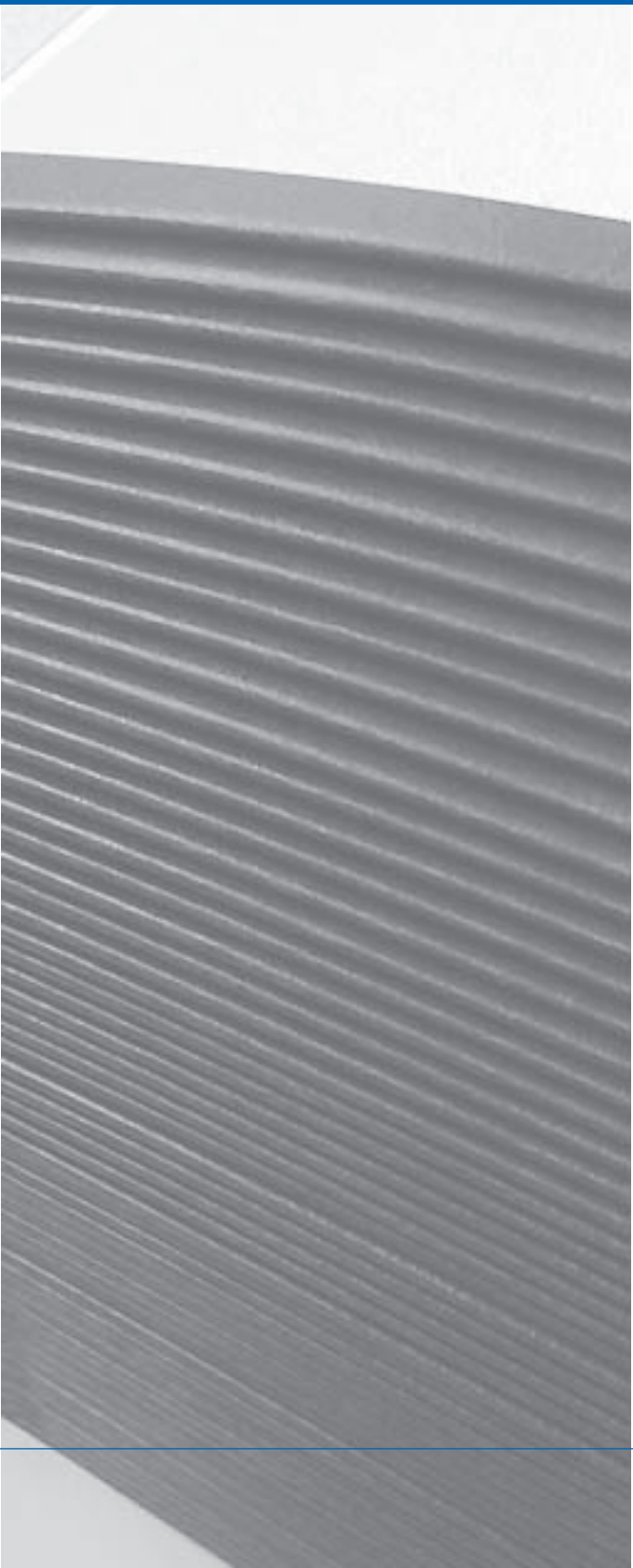




# BDM Superior

High Performance Casemaker



the art of engineering

**HORAUF**  
*china*

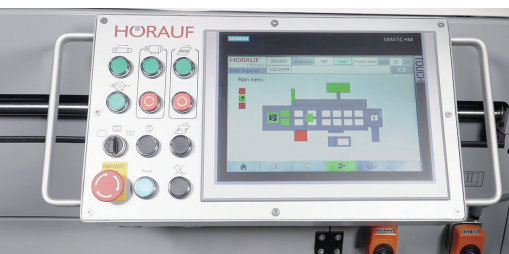


# BDM

# BDM Superior High Performance

The **BDM Superior** is an upgraded casemaker model based on the BDM 20 Classic, introduced by HORAUF in recent years to meet the needs of customers.

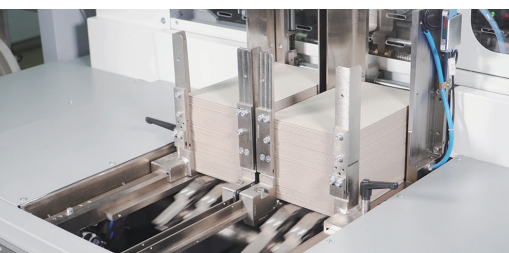
In addition to the inherited advantages from BDM 20 Classic, such as fast speed, high output, big size range, high precision, excellent quality, good flexibility, it further strengthens automation as well as convenience of operation/maintenance.



Touch screen



Cover feeding by gripper system



Board stacking and pushing



Soft spine unit

This upgraded model caters to the various needs of customers, and can economically and efficiently produce all kinds of long, medium and short runs of case products.

## Operation process

Board material is fed into the machine from a hopper (or optionally, by a pre-pile belt for easy loading), and then precisely registered by pushers to achieve perfect alignment with cover material.

The machine can process flexible spine material fed from a roll, or rigid spine fed from the board hopper.

Cover material is hopper loaded continuously without stopping the machine, then transferred to glue application roller in perfect registration by a precise gripper system.

Board and cover are combined in continuous rotary motion in perfect register for bubble-free gluing.

Cases are then transferred to the folding and pressing stations by a lifting transport assembly - a balanced reciprocating arm with suction heads, which eliminates scratch on cover surface.

Brush covered folding bars and self-adapting corner tucking fingers ensure tight and accurate folds.

Cases are then transported through the pressing station (two times pressing) to a counter stacker.

Finally, piles of finished cases are delivered onto a roller conveyor to the operator.

## Machine features

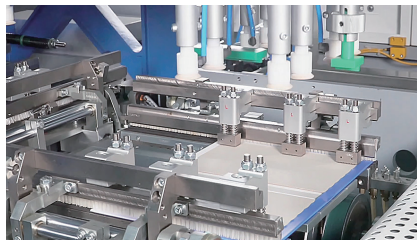
- > High output derived from high speed and high stability
- > Big size range
- > Cover feeding by gripper system, ensures high product accuracy
- > Fine-tuning can be made on-the-fly for register control
- > Bubble-free gluing by rotary motion
- > Brush folding makes tight folds
- > Self-adapting corner fingers make accurate corner tucking
- > Patented lifting transport system eliminates scratches
- > Loading of board/cover and unloading of finished cases are in the same area, and all machine stations are visible to operator at the same level, which are user friendly and labor saving
- > Small footprint, low energy consumption, high unit output
- > Significantly reduced glue consumption by using rubble plate and viscosity controller
- > Board feeder opens for easy access to gluing station for fast changeover/cleanup
- > Automatic size change and remote diagnostic device are integrated in standard configuration
- > Can be flexibly equipped with optional inline board cutter and pre-pile belt to improve production efficiency

## Optional devices

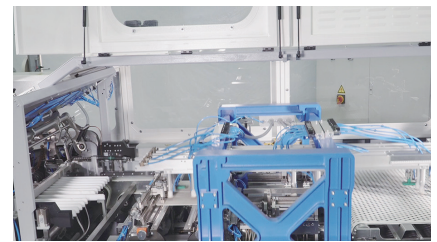
- > Quarterbound
- > Multi-piece-board device (up to 7 boards)
- > Thin board device (0.6mm)
- > Round corner device (different radius/board thickness)
- > Shaped side board device (Roof, moon, or S shape)
- > Cold glue device
- > Inline board cutter
- > Pre-pile belt for board loading
- > Pneumatic corner cutter



Head&tail folding and corner tucking station



Left&right folding and pressing station



Lifting transport mechanism

# BDM

# BDM Superior High Performance

## Automation improvement



While main machine maintains mechanical system of cam drive, board feeder and transfer gripper bar are changed to servo drive, simplifying the mechanical structure and bringing convenience in installation, commissioning and maintenance. This makes the overall structure has both stability and flexibility.

Automatic size change and remote diagnostic device are integrated in standard configuration, which improves the degree of automation.

## Convenience improvement



Improvements are made for adjustment method of cover suction discs on suction bar, corner tucking fingers, and pressing station. Such improvements further facilitate operation and improve efficiency.

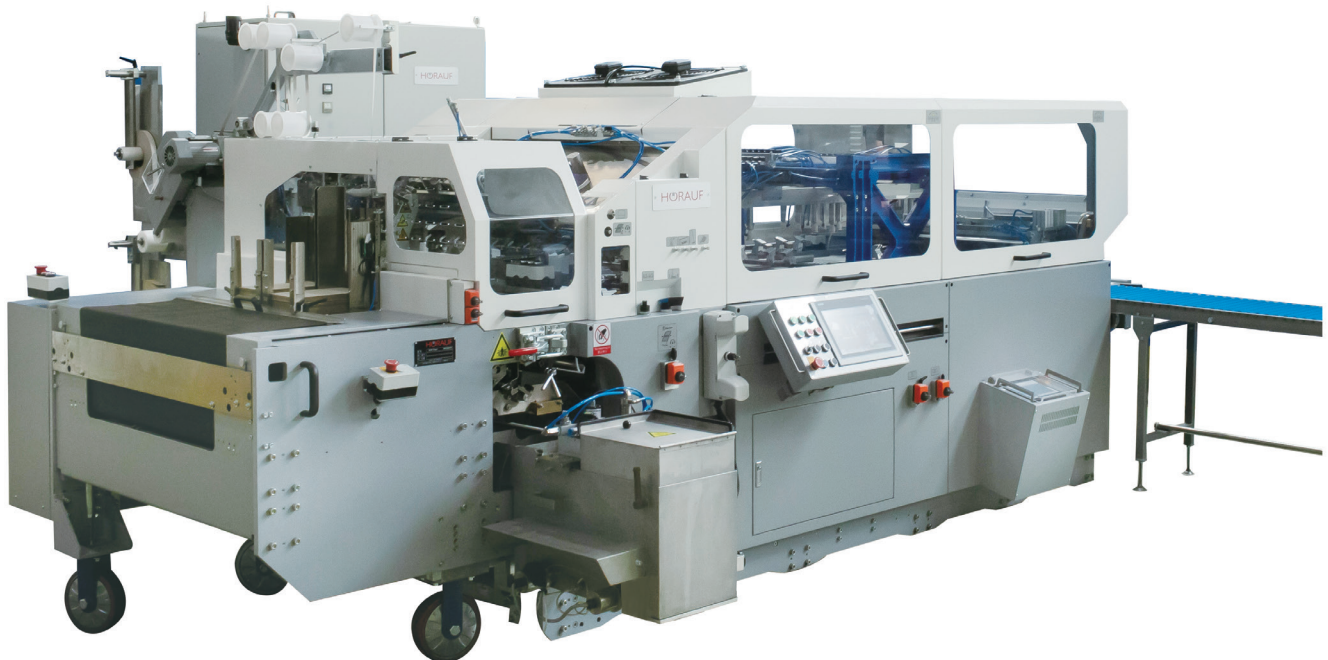
To meet product needs of some BDM 20 Classic users, folding sequence is changed to first head/tail, then left/right, which aims to provide convenience to customers.

## Economic efficiency



Inherited technology from HORAUF Germany with all key parts imported Germany, which ensures good quality and performance.

Under strict supervision from the German headquarter, machine assembly is conducted by HORAUF China Shanghai factory, which not only ensures quality and performance, but also improves economic efficiency.



**HORAUF**  
*china*

the art of engineering

# BDM Superior

## High Performance Casemaker

HORAUF is a renowned manufacturer of specialty machines for processing paper products.

- Specialty machines of case production, for hard cover book case/stationery case/packaging case.
- Specialty machines of paper cup/lid production, for hot/cold drinking cup and packaging cup.
- Specialty machines of paper can/container production, for beverage and dry/powder food.
- System supply solutions of machine + material for brand owners!



Hoerauf (Shanghai) Machinery Co.,Ltd.  
 Factory Building 7,818 Xinji Road Qingpu Industrial Zone  
 Shanghai 201707,China  
 Tel: +86 21 59700622  
 E-mail:sales@horaufchina.com  
<http://www.horaufchina.com>

Michael Hörauf Maschinenfabrik GmbH & Co. KG  
 Mozartstrasse 39-41  
 73072 Donzdorf-Germany  
 Phone: +49(0) 7162/942-0  
 Fax: +49(0) 7162/942-510  
 E-mail: sales@hoerauf.com  
[www.hoerauf.com](http://www.hoerauf.com)

the art of engineering

**HORAUF**  
*china*