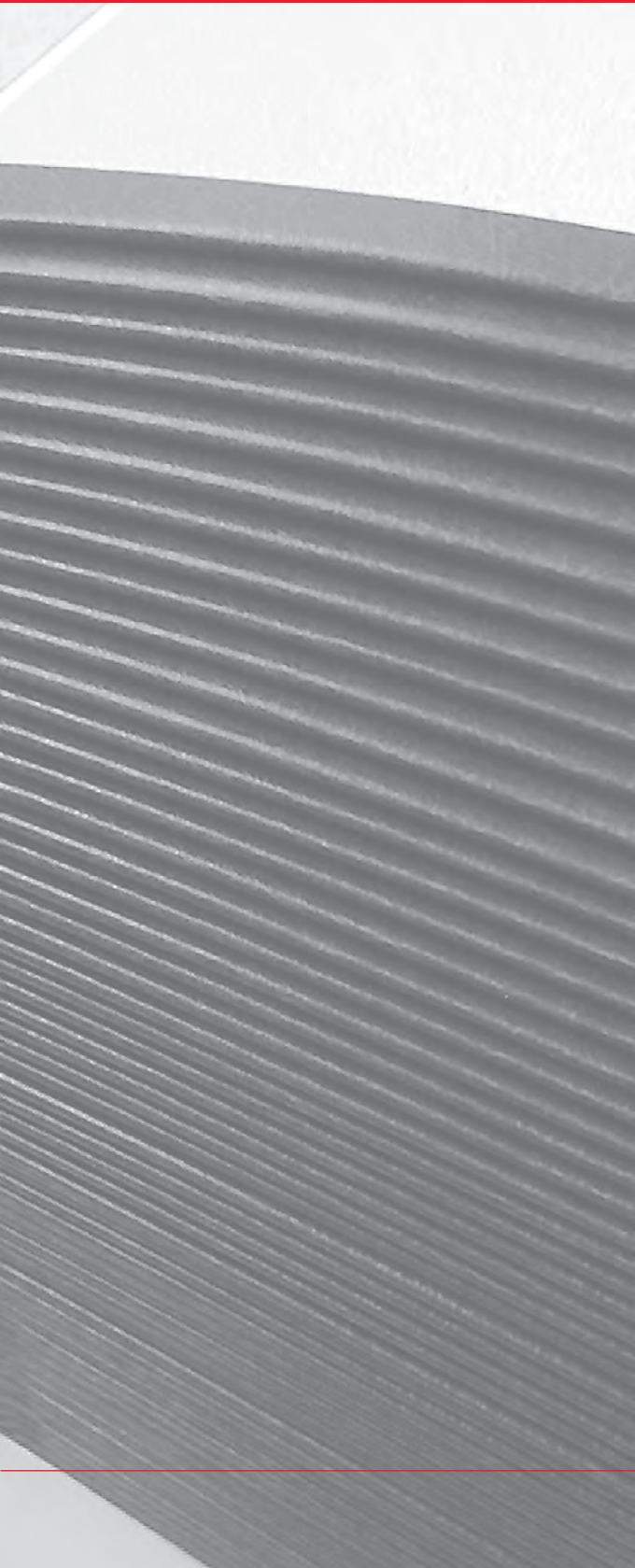




BDM UNIVERSAL
High Quality Casemaker





BDM Universal

Universal casemaker for short, medium and long runs with unbeatable short set up times

Book cases
Ring binders
Letter files

Game boards
Cases for Diaries
Photo albums

The **BDM Universal** is the casemaker of choice for short, medium and long runs with the shortest setup time and widest size range available in the industry today.

This machine has been completely redesigned and updated to meet the challenging requirements of hardcover and ring binder manufacturers, producing top quality cases across a broad range of challenging cover materials.

It incorporates numerous digital servo drives for precise, repeatable setup and adjustment of all critical machine settings.

Operation

The front and back boards are transferred into the case hopper via a pre-pile belt. Boards are then fed into the machine and precision registered by pushers to achieve perfect alignment with the cover material.

The **BDM Universal** can process flexible spine material fed from a roll or a rigid spine fed from the board hopper.

An optional modular in-line board cutter is available for cases with hard spines, eliminating the need for pre-cut boards. Cover material is hopper loaded continuously without stopping the machine, which results in high productivity.

Cover material is transferred to the glue application roller by a precision gripper cylinder. Board and cover are then combined in continuous rotary motion in perfect register for bubble-free gluing.

They are then transferred by a lifting transport assembly into the head/tail folding and corner tucking stations, and then to the side folding station. Brush covered folding bars ensure tight, accurate folds.

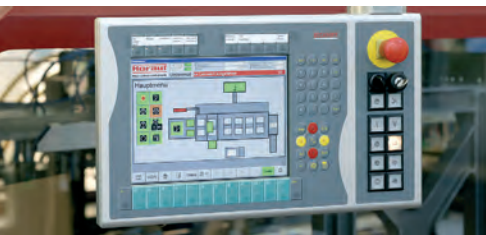
The cases are then transported through the final pressing station to a counter stacker, delivering piles of finished cases on to a roller conveyor to the operator.

Special features

- > Very short makeready
- > Largest size range
- > Adjustments on-the-fly
- > Unlimited job database
- > Digital servo drives ensure accurate, repeatable settings
- > All machine operations completely visible to operator
- > Highly reliable/versatile non-stop cover feeder
- > Precise board/cover register
- > Most easy access for fast changeover/cleanup
- > Ergonomic operating position
- > Program updates/machine diagnostics via modem

Options

- > Board pre-pile belt
- > Modular In-line board cutter
- > Equipment for production of one-piece cases (ring binders, letter files) and 2-piece cases (game boards)
- > Equipment for production of 3-piece cases (quarterbound)
- > Equipment for production of 4-piece/ 5-piece cases
- > Inside lining with cold glue
- > Equipment for production of padded cases
- > Equipment for production of non-symmetric cases
- > Enlarged center strip over 100 mm
- > Sheeter/combiner to process cover material in roll form and for production of quarter-bound cases in one pass
- > Round corner option
- > Spine splicing unit
- > postbound / double postbound



All important information is shown on the display



Board pre-pile belt



Short gripper cylinder transfer path ensures precise register



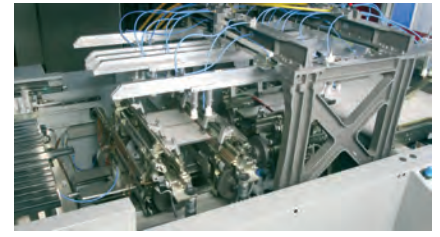
Sidefolding station



Pressing station



Head/tail folding and corner tucking station



Always visible working process

BDM

BDM UNIVERSAL

High Flexibility

BDM Short makeready



The **BDM Universal** offers unbeatable short change-over times with its automatic computer controlled size change.

It is the ideal machine for today's short, medium and long run production.

Visibility and accessibility



All machine operations are completely visible to the operator at floor level. The operator can permanently monitor the whole production process, which guarantees highest efficiency.

All working stations are easily accessible for perfect maintenance.

Reliability



The complete range of standard cover materials are processed on the **BDM Universal**.

It produces quality covers with even the most difficult cover materials at the highest efficiency level.



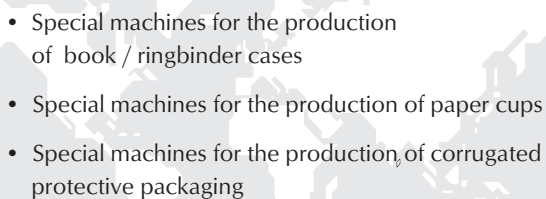
HORAUF

the art of engineering

BDM UNIVERSAL

High Quality Casemaker

Hörauf is a renowned manufacturer
of special machines for the paper processing industry.

- 
- Special machines for the production of book / ringbinder cases
 - Special machines for the production of paper cups
 - Special machines for the production of corrugated protective packaging

Michael Hörauf Maschinenfabrik GmbH & Co. KG

Mozartstraße 39 - 41 · D - 73072 Donzdorf - Germany

Phone: +49(0) 7162 / 942-0 e-mail: sales@hoerauf.com

Fax: +49(0) 7162 / 942-510 www.hoerauf.com

HÖRAUF

the art of engineering