

Naturally innovative,
truly green and modular

The Ribler technology – naturally innovative, truly green and modular!

Ribler Stuttgart has developed a system of perfect binding machines, cold glue and supplies. With the Ribler technology, advantages in all areas are achieved: costs in energy, material and personnel will be saved. Books bound with the Ribler technology are of higher quality thanks to layflat, additionally faster, cheaper and environmentally friendly. No other manufacturer can offer this.

Naturally Innovative!

Ribler completely rethinks perfect binding.

The patented "Ribler Technology" consists of 6 steps. The paper is roughened, primed and then bound with our cold glue. The glue is applied to book covers in a closed system.



1. fibre exposure

With the help of our patented **roller mill**, the individual cellulose fibres on the paper spine are exposed. The negative consequences of the punching in of conventional plate mills are eliminated - especially with demanding papers:

- ▶ Application area increases by up to 450%
- ▶ Hinge effect of the individual sheets
- ▶ higher durability

2. activation of the cellulose

By priming the back of the block with the **activator**, the water-repellent fibre becomes hydrophilic and receptive to the glue. Ribler is the only user of this fibre preparation, patented together with BASF SE, resulting in higher pull test values of the sheets with lower glue application.

3. ribler cold glue

The water-soluble **cold glue dispersion** is completely environmentally compatible. Ribler cold glue is extremely flexible and durable, very homogeneous in itself and does not sediment. The interaction of the first three components, milling cutter, activator and cold glue, results in a glue thickness of 80-200 µm and enables:

- ▶ an 80 % thinner glue layer
- ▶ 80 % material saving
- ▶ Heating, glue recirculation and fumes suction not necessary

4. glue application by cold glue nozzle

The glue is applied by means of a newly designed and also patented, self-adjusting and self-cleaning **nozzle without a valve**. The Ribler glue system with closed material circuit has many advantages over open roller application and hot glue::

- ▶ no evaporation, drying or soiling
- ▶ long-lasting, constant glue quality
- ▶ no loss of material due to coking, hardly any cleaning and residues
- ▶ Automatic cleaning programme
- ▶ No hazardous waste
- ▶ No expensive auxiliary units necessary

5. machine processable book covers

The **covers** have a flexible spine without a cardboard. This means that hardcover books can be produced industrially in one run for the first time

- ▶ real 180° layflat impact behaviour
- ▶ own covers can also be used



Ribler Stuttgart
Kompetenz im Kleben
Competence in Bonding



6. binding machines

Our binding machines combine all the above-mentioned five individual stages of Ribler technology. The modular machines have the same basis and can be extended as required. Professional hardcover books (**perfect binders**) or notepads, tear-off calendars and forms (**block binders**) are produced in one operation with short rework – both in high quality and ecologically valuable.

- ▶ Set-up time in 1 minute
- ▶ Format change in 3 seconds, without interruption during the cycle
- ▶ Fully modular, can be expanded as required (see below)
- ▶ Durable layflat: true 180° for hardcover, true 360° for softcover and block binder
- ▶ - High-quality mechanical engineering, motors, electronics and pneumatics from German brand manufacturers, production completely Made in Germany

Result of the 6 components:

- ▶ unprecedented layflat in perfect binding in the industrial production process
- ▶ very attractive production costs

Truly green – friendly to people and environment!

Ribler perfect binders – not just green on the outside!

This is the alternative to hot glue: The multiple award-winning **environmental friendliness** stems from the water-based cold glue and a glue application with almost no CO₂ consumption, no toxic gases and vapours, with drastically reduced material consumption, no hazardous waste and no storage problems and warning signs.



Ribler is the only manufacturer of perfect binding machines with environmental awards.

Annual savings for each adhesive binder:

- ▶ **78 % energy** corresponds approximately to: 10 MWh » 2,200 € » 2.1 medium-sized cars
- ▶ **78 % CO₂** corresponds to approx 5.5 to » 140 € » 1.5 detached houses
- ▶ **80 % glue** corresponds to approx: 660 kg » 1,600 € » 1,480 litres of crude oil
- ▶ **5,3 % paper** corresponds to about: 148 tons » 67.000 € » 600 people's consumption

With Ribler products, a previously unknown level of **occupational safety** is also achieved: no respiratory protection, no illnesses caused by solvents, less absenteeism, higher acceptance by employees and customers:

- ▶ Hot glue consists of 100 % plastic - cold glue contains it only to a much lesser extent
- ▶ CO₂ emissions fall with each machine the size of 1.5 homes with 4 persons
- ▶ The production staff will thank you
- ▶ Active environmental protection and economic efficiency are
- ▶ combined by the Ribler perfect binders

Modular & adjustable!

The perfect binder grows with its requirements.

The **GECKO 200 perfect binder** has a **modular design**: On a machine base with the same gripper and linear unit, every bookbinder can choose the extension that suits him best in terms of speed, automation and convenience. For faster feeding of the **covers**, an automatic feeder will soon be offered. In the future, the **output station** will offer the option between a simple manual output, a magazine in machine width and an extended magazine. It is even possible to **convert** from a perfect binder to a block binder and vice versa. Further processing stations are planned.

All attachments and currently **12 machine options** are recorded in the control system, and replacement is done with little effort. The binder is therefore fully variable in use and retains its value for the subsequent second-hand market and the Ribler take-back guarantee.

Book production is fully variable: the bookbinder decides whether the book is produced completely or only in parts on the GECKO 200. After each processing stage, the product can be removed and finished on other machines. For example, the book can be milled, primed and glued on the GECKO 200 and then mounted on another machine or by hand. A total of more than 24 manufacturing options are available for book production.

Ribler unique selling propositions

The Ribler technology has **12 advantages** over conventional machines based on hot glue, **5 of which are worldwide unique selling points**.

The **main advantages** result from the first-time production of a hardcover binding in one process step, the considerable cost savings as well as the multiple award-winning environmental friendliness.

Product advantages: even heavier, surface-coated and laminated, i.e. **high-quality papers** and boards with a **real 180° layflat binding** and landscape printing are produced in **hardcover**.





Adhesive consumption: while 15 litres of adhesive are required for 5,000 bindings of an A4 format on edge with the Hotmelt, the Ribler system **only requires 3 litres**.



Process advantages: for the first time, the production of an industrial **hardcover binding is possible in a single process step** with a short start-up of the endsheets during removal. This eliminates 2-3 work steps, unproductive waiting times, storage space and shortens the **throughput time**. Even after a longer standstill, the machine is ready for use again in only 1 minute **set-up time** - "**Plug & Produce**".

Production costs: depending on the comparative process and intensity of use, manufacturing costs are reduced by **up to 37 %** compared to conventional hotmelt production. One of the distinguishing features of Ribler's cold glue technology is that no energy is required for the permanent heating and circulation of the hot glue basin, nozzle and feeders. The savings consist mainly of **labour time** (approx. 50 %) and energy (78 %). Further significant costs are avoided through **paper savings** (5.3 %) and the elimination of **expensive additional equipment** (exhaust air extraction, premelter and glue recirculation, total value depending on size 10 - 35,000 €) as well as significantly less **cleaning and maintenance**. The **return on investment** is achieved from 1.3 years on.

Real unique selling propositions also exist in the above-mentioned **environmental protection and occupational health and safety**.

The Ribler Commitment

-  **Cash Back Guarantee:**
we will take the machine back without discussion in the first 30 days.
-  **3-year warranty**
on all major parts.
-  **Spare parts warranty:**
Supply for at least 10 years.
-  **Service guarantee:**
fast response by phone, email and on-site, up to 24/7 depending on maintenance contract.
-  **Financing and insurance**
at favorable conditions and in many options via our financing partner

-  **Open Source Guarantee:**
use of third-party material remains possible (can affect product quality).
-  **Buy-back guarantee:**
your machine will be taken back at any time at a fair valuation.

With the Ribler Gecko 200, you get a completely new, very efficient binder for high-quality products in run size 1. Your staff will appreciate the special ease of use and the short cleaning times – customers will appreciate the lower book price and faster delivery.

At www.ribler-shop.com, the consumables are provided in the **online shop** with easy, location-independent and fast delivery.

We will happily provide advice on cost savings in your specific case, more detailed information and sample bindings.

Naturally innovative, genuinely green and modular - we would be pleased to demonstrate our perfect binders to you!

With best regards from Stuttgart

Your Ribler Team