

# DB-290

## Desktop Perfect Binder



### FEATURES

- *Makes a wide range of book sizes from 4.72" x 1.97" to 12.6" x 15.75"*
- *Single-operator design for greater productivity*
- *Fast and easy setup and changeover*
- *Unique roughing and notching method provides maximum glue penetration*
- *Side glue provides better adhesion for professionally finished book spines*
- *Improved clamping and nipping system*
- *Easy changeover to tape binding with two different tape sizes available*
- *Dust removal*

The user-friendly and automatic DB-290 Perfect Binder brings professional glue binding and tape binding to your desktop. Producing up to 200 books per hour, the DB-290 is ideal for short-run, on-demand applications.

With the automated performance and outstanding features typically reserved for more expensive machines, the DB-290 provides centrally located controls for single-operator efficiency. Electronic operation and a clearly marked LED display ensure precise settings, while a quick push of a button converts the machine for padding and tape binding jobs.

Simply place the book block into the clamp where pages are gripped automatically and the binding process is started. A double pass over the roughing and notching blades provides superior notching and roughening to ensure superb glue penetration for a perfect bind. Its clamping and nipping system also ensures consistent square book spines.

Innovative features of the DB-290 include a dust extractor as well as roughing blades which provide a more durable bind. A side glue tank also applies glue onto the spine ensuring better adhesion for a professionally finished book. In addition, the DB-290 has tape binding capabilities and with a quick push of a button, can convert to a padding function where only the precise amount of glue is added to complete perfectly bound note pads.

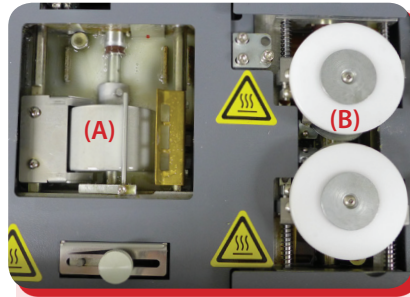
For added convenience and efficiency, the DB-290 features a cover detection mechanism at the nipping station that ensures the clamp will not travel back to the nipping position until the cover stock is in position. Optimum operator convenience is further ensured by the ability to set book thicknesses accordingly and by a stand-by mode that allows periodic interruptions in production while minimizing glue deterioration. A safety cover on the roughing and notching blade ensures operator safety.

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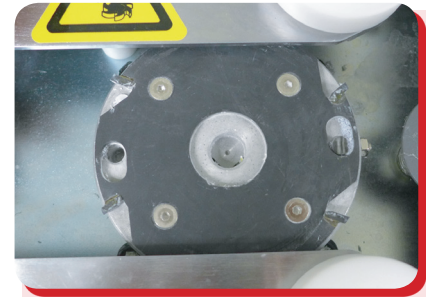
A simple **LED control panel** for single operator use is extremely easy to understand. The menu guides the operator through the entire binding process.



(A) **Spine glue tank** creates a stronger bind and allows the binding of a wider range of paper types and weights.

(B) New **side glue tank** offers improved glue application and binding. A new formulated side glue provides better adhesion and helps form a more professional book spine.

*(It is highly recommended to use Duplo's side glue to ensure binding performance and to avoid mechanical damage to the side glue tank.)*



New spine roughening with **1 notching blade** and **6 roughing blades** provides better glue penetration while applying the glue onto the book spine.

### BINDING MODES

**Perfect Binding**



*Binds loose sheets with a cover wrapped around the spine*

**Tape Binding**



*Binds loose sheets with a strip of tape (two tape sizes available)*

**Padding**



*Binds loose sheets together on the spine*

### SPECIFICATIONS

Max. Book Size	12.6" x 15.75" (320 mm x 400 mm)
Min. Book Size	4.72" x 1.97" (120 mm x 50 mm)
Max. Cover Size	12.6" x 33" (320 mm x 838.2 mm)
Max. Binding Thickness	Up to 1.6" (40 mm)**
Glue Warm-up	25 minutes*
Glue Warm-up in Stand-by Mode	5 minutes
Cycle Speed	Up to 360 cycles per hour
Production Speed	Up to 200 books per hour

Operation Modes	Perfect bind (manual & auto); Tape bind, pad (manual)
Standard features	Dust extraction, stand-by mode, LED display, side glue, error detection display, notching & roughing blade
Tape Width	Large 1.75" (43 mm) Max. binding thickness 1" (25.4 mm); Small 1.18" (30 mm) Max. binding thickness 0.5" (12.7 mm) (All tape are 11" long and in color black.)
Power Source	110V 60Hz 15A (optional 220V 50Hz)
Power Consumption	13 Amps max.
Dimensions (LxWxH)	51.2" x 22" x 18.5"
Weight	136 lbs.
Option	Stand

\* Varies upon glue type

\*\* When binding book thickness exceeding 30mm, please adjust notching blade height lower according to the operation manual.

As part of our continuous product improvement program, specifications are subject to change without notice.