

Specifications

Maximum Book Size	320 mm (spine length) x 400 mm
Minimum Book Size	80 mm (spine length) x 50 mm
Maximum Cover Size	320 mm (spine length) x 838.2 mm
Maximum Binding Thickness	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
Notching	Double pass
Operation Modes	Pad, tape, cover
Standard Features	Stand-by mode, LED display, error detection display
Power Source	220/240V, 50Hz/10A
Dimensions (WxDxH)	1,270 mm x 559 mm x 483 mm
Weight	120 kg

Duplo®  
from print to documents

DB-280  
PERFECT BINDER

PROFESSIONAL PERFECT BINDING IN A COMPACT UNIT

Single operator machine  
Up to 200 books per hour  
User-friendly control panel  
Multiple applications

Soft cover books, Tape bound books, Note pads



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Duplo has a policy of continuous improvement  
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without prior notice  
  
Production rates are based on optimal operating conditions  
and may vary depending on stock and environmental  
conditions. As part of our continuous product improvement  
program, specifications are subject to change without  
notice.



Ref: DB280/05/10

The user-friendly automatic perfect binder DB-280 brings professional perfect binding to your desktop. This compact machine is the ideal solution for short-run and on-demand printing applications.



**Easy to operate**  
Achieve a book-bound quality without the need of a skilled operator, the LED display panel guides the operator through the entire binding process.



**Strong Bind**  
The DB-280 features two glue drums which provide additional glue capacity. Combining this with a wide notching tool results in a more durable bind.



**Stand-by Mode**  
Avoid lengthy start-up times by selecting Stand-by mode, this feature lowers the temperature of the glue, preventing it from burning and deteriorating. This feature provides real peace of mind should there be any interruptions in production. The DB-280 also maintains the quality of the glue by performing a self-test, stirring the glue in preparation for operation.



**Multiple Applications**  
The DB-280 is able to produce an array of applications. Padding, Soft cover binding and tape binding can all be done at a touch of a button. End-sheets can also be bound in preparation for hard cover binding.



**Automated Operation**  
The DB-280 can be set to run automatically or manually. When in Auto mode, the full benefits of the DB-280 are shown through the automation of the clamping, release, nipping and binding functions with minimal user intervention and maximum productivity.



**Convenience**  
For maximum efficiency, the DB-280 features a cover detection sensor at the nipping station, this ensures that the clamp will not travel back to the nipping position until the cover stock is in position. For added convenience the operator has the option to preset the nipping and clamping time.

## Control Panel

The DB-280 provides an ergonomic control panel for single-operator efficiency. Electronic operation and a clearly marked LED display ensure more precise settings, while a quick push of a button converts the machine for padding jobs.

## Nipping Station

The DB-280 uses a uniquely designed nipping mechanism that applies powerful nipping pressure and produces a square and precise book spine of professional quality. The nipping table presses the wrap-around cover on all three sides of the spine to ensure perfectly square spines every time.

## Notching

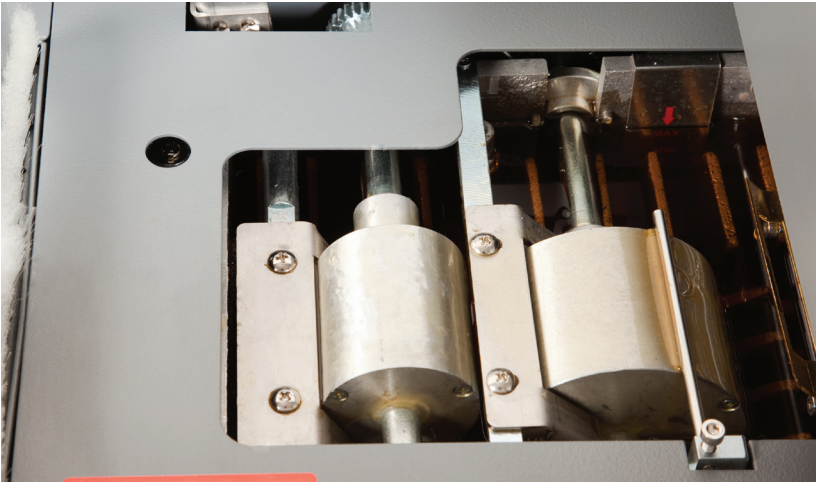
The binding process includes a double pass over the unique notching system to ensure excellent glue penetration. The DB-280 now uses a wider notching blade that will cut deeper and wider notches into the book block to enable the glue to penetrate further into the grooves, this in turn creates a stronger bind.

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

**Tape Binding**  
Binds loose sheets with a strip of tape

**End-sheet Binding**  
Binds loose sheets together directly into end-sheets

**Padding**  
Binds loose sheets together on the spine without notching



Two glue drums for strong bind



User-friendly control panel



Notching



DB-280