

**Horizon**

# BQ-280PUR

PUR Binder

## New PUR Perfect Binder!!



### Features

- 1. PUR Perfect Binding** - Superior glue application is assured with dual application drums and separate EVA side glue application. Drum application enables production of one to one variable thickness books with maximum quality control.
- 2. User-friendly Operation** - New large color touchscreen with intuitive icons simplifies the operator interface. All setups can be done instantly by simply inputting book block and cover information at the color touchscreen.
- 3. Extended spine length** - Spine length is extended to 385 mm / 15.15". Maximum book size is 385 x 320 mm / 15.15" x 12.59" and the maximum book thickness is 51 mm / 2.00".
- 4. Variable thickness production** - Built in thickness caliper provides greater production efficiency for instant change over and variable thickness book production. The BQ-280PUR provides unsurpassed production efficiency in a single clamp binder.

# Single clamp PUR perfect binder with superior binding quality and efficient operation.

**Book Thickness Caliper**  
Book thickness caliper is provided as standard equipment. Improves production of variable thickness books and photo albums by measuring the thickness of the next book and beginning the set-up while the previous book is still in process.

**Operation Console**  
The new large color touchscreen provides intuitive operation. All setups including glue setup, nipping width, nipping height and scoring rollers can be adjusted automatically by the book block information.

**Delivery Section**  
Newly designed book delivery receives each book gently to avoid damage to the spine for sensitive PUR bound books. The elevator style mechanism receives the book block at the level plate and lowers it to the delivery stacker.

**Milling Section**  
A powerful milling mechanism and special milling blade for maximum paper fiber and clean spine preparation for PUR binding.

**Glue Tank Unit**  
Open drum system is used for efficient variable thickness production. Tank cleaning and replacement is very simple and continuous production is achieved by simple glue pot replacement. Low temperature EVA glue (140 °C / 284°F or below) can also be used.

**Cover Feeding Section**  
The double feed detection by means of a supersonic sensor is standard equipment. Cover scoring is available with automatic setup feature. The BQ-280PUR "FC" is also available with additional two flap scoring with automatic setup feature.

**Nipping Section**  
The automatic nipper height adjustment from the touchscreen allows for complete tool-less operation. A square spine is assured with the powerful and rigid nipping mechanism.

### Benefits of PUR Binding

**PUR**

**EVA**

Polyurethane Reactive, also called PUR, is a polyurethane adhesive popular due to its superior binding strength and eco-friendliness.

- Lay-flat** - PUR provides best page-pull strength and lay flat qualities when the book is pressed open. and allows pages to lay flat when the book is opened. It is ideal for educational booklets, cookbooks, photo books, etc.
- High Binding Strength and Durability** - PUR allows strong and durable book binding.
- Temperature Resistance / Unaffected by Ink** - PUR is unaffected by printing and varnish in the binding area. PUR bound books are not effected by temperature extremes which means no cold cracking or softening of the bind.
- Energy Saving / Cost Saving** - Lower power consumption as PUR operates at a lower temperature.
- Ecology** - PUR is environmentally safe and makes the books easier to recycle.

### Specifications

Binding Type	Binding with milling, Binding without milling, and Pad binding
Book Block Size	<b>Spine Length x Fore-edge Length</b> Max. 385 x 320 mm / 15.15" x 12.59" Min. 135 x 105 mm / 5.32" x 4.14" B4 / A4 / B5 / A5 / B6 / A6
Book Thickness	1 to 51 mm / 0.04" x 2.00"
Cover Size	<b>Length x Width</b> Max. 385 x 660 mm / 15.15" x 25.98" (Up to 350 mm or 13.77" forwards from the clamp face) (Up to 310 mm or 12.20" backwards from the clamp face) Min. 135 x 225 mm / 5.32" x 8.86" (Up to 115 mm or 4.52" forwards from the clamp face) (Up to 110 mm or 4.34" backwards from the clamp face)
Cycle Speed	Max. 500 cycles / hr
Voltage/Frequency	3-phase 200 to 220V, 50/60 Hz 3-phase 380 to 415V, 50 Hz (Step down to 200V by Transformer)