



# PUR Binder. 330-460mm

PUR (polyurethane reactive) is a hot melt adhesive, which reacts with moisture in the air and substrates and expands the Molecular chain linkage and thus forms a significantly stronger bond than a conventional EVA hot melt. The page pull strength of a PUR-bound book (27 N/mm<sup>3</sup>) is more than 5.5 times that of a standard perfect-bound book using EVA adhesive (4.9 N/mm<sup>3</sup>).

### Bondable to Various Surfaces

PUR has a broader array of paper surfaces to which it can bond compared with EVA. These paper surfaces include printed paper, coated paper, plastic paper etc. Because of the missing moisture in the glue, even papers with wrong grain direction can be processed without problems.

### Flat Book Opening

The strong binding strength of PUR allows for less amount of glue applied. Thinner glue coating and the flexibility of the glue creates flat book opening and superior spine formation.

### Durable book Quality

PUR is largely impervious to temperature and humidity extremes. The temperature resistance for PUR is from -40° C to 100° C.

### Eco-Friendly

PUR is environmentally friendly and makes the books easier to recycle than those with hot melt. The PUR glue temperature (120° C) is lower than EVA glue temperature (150-180° C) and thus saves energy.

### Cost Competitiveness

For a standard PUR glue consumption is about 75% lower than EVA glue consumption for the same amount of books produced (assuming an application thickness of 0.55mm for PUR and an application thickness of 2.5mm for EVA). The lower glue consumption justifies the relative higher unit cost of PUR glue.

## MAIN FEATURES

|                      |                               |                               |
|----------------------|-------------------------------|-------------------------------|
| Model:               | SF-460A                       | SF-330A                       |
| Max book length(mm): | 460                           | 330                           |
| Spine thickness(mm): | 60                            | 60                            |
| Bind speed(books/h): | 200-300                       | 200-300                       |
| Cutting method:      | Notching and Milling          | Notching and Milling          |
| Warm up time:        | Less than 35 minutes          | Less than 35 minutes          |
| Glue type:           | PUR / EVA                     | PUR / EVA                     |
| Glue method:         | Pneumatic                     | Pneumatic                     |
| Side glue:           | Yes                           | Yes                           |
| Glossy Paper:        | Yes                           | Yes                           |
| Operation System:    | Auto / Manual                 | Auto / Manual                 |
| Power supply:        | AC 220V ( 110V ), 50Hz - 60Hz | AC 220V ( 110V ), 50Hz - 60Hz |
| Dimension(mm):       | W 1220 x D 530 x H 1030       | W 1220 x D 500 x H 920        |
| Net weight(Kg):      | 350                           | 240                           |

## PRODUCT FEATURES:

- \* Solid steel frame structure
- \* Album material, coated paper and thick book glue-binding
- \* Powerful steel roughening blades
- \* 180 degree book opening
- \* PUR hot melt adhesive has hot and cold resistant
- \* Intelligent control and LCD display
- \* 5 years OEM to Japan