



Perfect Bindery Solutions

The Perfect Bindery Solution

Oxfordshire-based Perfect Bindery Solutions represents innovative new systems developed to address the key production issues facing the modern bindery.

The DGR LinearPro Binding System features completely automated perfect binding and 3-knife trimming systems, developed from the ground up, that rewrite book-binding parameters.

For PBS, Steve Giddins says: The DGR LinearPro Binding System is a completely new concept designed to meet the changing requirements of the on-demand sector; it's the one system every quick turnaround operation should look at very closely if they want to understand where this sector will be going in the next few years.

DGR KM40

DGR KM40 Automated Binding Machine

With operational flexibility and high end-product quality - regardless of run-length - the overriding objectives, the KM40 eschews the conventional mechanical clamp design and presents an innovative solution at every stage. The book block is gripped and, after milling at a variable speed notching head mounted inside a cutter, moved to the transversal glue station (hot or cold) where the first roller applies glue across the spine for optimum penetration and a second 'spinning' roller moves along the spine to regulate the final film. There is also the option to fit PUR or hotmelt nozzle applicators IN ADDITION, so allowing the user to switch between different types of glue. Instead of wheels, a rail system is used to score covers - so eliminating cracking - and the cover feeder has a high pile feeder with gripper drum for positive feeding. The books are transported within the nipping station to ensure the cover/backlining is clamped continuously and a 'soft hands' laydown delivery ensures pristine presentation.



superior on-demand flexibility:

- automated two minute set-up
- bar-code-driven on-the-run self-setting option
- links direct to most upstream gathering systems
- links downstream to DGR D.08 3-knife trimmer and other models
- options for dual glue operation
- hard or soft cover production without tank change
- rail scoring - no cracking
- backlining and in-line endpapering options
- all-system registration regime
- 'soft-hands' handling and laydown delivery
- 2,400 bph production speed

DGR D.08

DGR D.08 Automated Three Knife Trimmer

The DGR D.08 takes a similar 'ground-up' approach to the 3-knife trimming process. The result is an automated system with three minute job changeovers and superior operational parameters.

A patented telescopic table and clamp design allows fast, tool-less format changes and a two station cutting sequence with individually driven knives ensures speed and accuracy. Sensors measure the book/pile and sets the machine automatically, cutting up to 70mm with no crushing or splitting of the spines.

superior on-demand flexibility:

- automated three minute set-up
- tool-less — no furniture change
- bar-code-driven on-the-run self-setting option
- links direct to most upstream binding systems
- infeed from left or right, in-line or off-line
- suction waste removal as standard
- optional single pass cut of books with flaps
- 70 mm cut depth
- 2,400 cycle speed



for further information contact

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