

Duplo

iSADDLE 5.0 Saddle Stitch System

FLEXIBLE & VERSATILE



Wide range of media
Stepped and A4 landscape booklets
Fast makeready with automated setup
Speed up to 10,000 booklets per hour
Production data capture

Brochures, Catalogues, Car/boat and luxury sales brochures (A4 landscape)
Instruction manuals - mobile phones/ games, electrical goods
Educational course work - Schools and Universities
Tourist industry - Travel brochures and guides

SPECIFICATIONS

Duplo's 'iSADDLE 5.0' Saddle Stitch System combines traditional stitched booklet production on a saddle, with the versatility needed for short run operation in today's fast changing commercial print environment.

With the ongoing trend to ever shorter runs with faster delivery times, there's never been a greater need to invest in solutions that deliver high quality results and adapt to many production formats and requirements. The iSADDLE 5.0 provides the convenience of production from a flat sheet, combined with features to produce a wide range of profitable applications, allowing users to differentiate themselves from the competition.

Designed with ease of use in mind, its complete automation and intuitive programming make it possible for a single operator to perform change-over in minimal time, thus swiftly and easily tackling a wide range of formats from the very small to oversize A4 landscape with no manual intervention. The versatile and superior suction feed collators enable quick makeready between different formats and media printed on both litho and digital presses.

But it's not only automation and ease of use that set the iSaddle 5.0 apart. It is also in the wide range of booklets that can be produced where it can make a real difference, removing the need to sub-contract complex finishing and therefore bringing in more revenue. In addition to simple booklets, the iSADDLE 5.0 can handle covers with pockets and flaps, as well as produce stepped format pages made from up to six different sized sheets within the booklet.

Despite being designed to support the varied needs brought by shorter runs, the iSADDLE 5.0 has also been engineered to suit longer runs. This is most apparent at the end of the system in the DKTS-200 Trimmer which will finish a book with a three or five knife trim, allowing 2-up layouts of small format books and so doubling the speed!

Production is constantly recorded, allowing users to collect the data and analyse for improving products, services, and operational performance.

iSADDLE 5.0

Max booklet 1-up production speed	5,050 A5-booklets/hr (1 subset) up to 10 sheets Booklet production can vary depending upon the number of pages and subsets	Folding Capacity	2 to 10 sheets
Max booklet 2-up production speed	Up to 10,100 booklets/hr (A6 @ 2-up)	Max Scoring Thickness	1 mm
Max booklet thickness	6 mm (30 sheets of 80 gsm, 120 page booklet)	Stitching Capacity	3 mm (30 Sheets of 80 gsm)
Flat sheet size	Max W 356 x L 610 mm * Min W 120 x L 210 mm * some media may be limited to 356 x 508 or 230 x 610 mm	Stitching Head Distance (1-up)	55 to 196 mm
Finished trimmed booklet size 1-up production	Max W 354 x L 304 mm * Min W 120 x L 75 mm * some media may be limited to 356 x 254 or 230 x 305	Stitching Heads	Standard Fitting: 2x Hohner 43/65 Optional: Up to 4 Heads
Finished booklet size 2-up production 1 stitch in smallest booklet	Max W 174 x L 254 mm Min W 90 x L 75 mm (with 6 mm gutter) Min W 89 x L 75 mm (with 8 mm gutter)	Control Panel	PC Control
Paper Weight <i>Fine quality paper</i>	64 to 157 gsm when L < 508 mm 81 to 157 gsm when L > 508 mm Cover 300 gsm	Job Memories	Infinite from PC Controller
<i>Art/ Coated paper</i>	85 to 157 gsm when L < 508 mm 105 to 157 gsm when L > 508 mm Cover 300 gsm	Folding Rollers	Automatic Mechanism
DBMS-T5 Trimmer Front Knives	Fore edge trim 1 to 25 mm Max 75 mm with 12 pages or less Max thickness 6 mm (120 page booklet of 80 gsm)	Scoring Wheels (Double)	Springloaded with Manual Height Adjustment
DKTS-200 Head and Foot Knives	Trim 1 to 30 mm each side 6 mm Gutter Cut max thickness 2.4 mm 8 mm Gutter Cut max thickness 4 mm	Error Detect Sensors	Stitching Wire (on the Saddle); Paper Feed; Paper Jam, Safety Guards
DKTS-200 Options	Kicker/Batching Unit Compressed Air supply required	Power Supply	200 - 240V 50/60Hz With 2 x DSC-10/60i = 3270W
		Dimensions	With 2 x DSC-10/60i = D 4,250 x W 3,340 x H 1,970 mm
		Net Weight	Approx 2,430 kg + options
		Connecting Devices	up to 6 x DSC-10/60i Collating Towers DCR-ST Stacker (Criss Cross) DBM-400STR Stacker (Straight & Offset Stacking)
		Options	3 or 4 Hohner Flat/Loop heads 6 Page Cover Insert Kit Sheet by Sheet Air Kit Network connection for production data

DSC-10/60i SUCTION TOWER COLLATOR

Bin Capacity	65 mm	Features	Block Mode Multi-size sheet handling (up to 6 sizes) Programmable Intelligent Bin Feeding A4 landscape Hand Marry Mode Hand Feeding Mode
Paper Size	Max W 356 x L 610 mm * Min W 105 x L 148 mm * some media may be limited to 356 x 508 or 230 x 610 mm	AMS+ Feeding System <i>Total Feed Control on Each Bin</i>	Ability to increase the flow of air and vacuum on each bin Ability to increase the strength of air and vacuum on each bin Ability to adjust the feed timing Twin belt drive on conveyor Ability to adjust the sheet overlap Automatic ejection of faulty sets Stand-by or waiting mode
Paper Weight	52 to 300 gsm	Power Supply	220 - 240V 50/60Hz 5.3A 980W
Max Processing Speed	5,050 A5-booklets/hr into iSaddle System Up to 10,000 A5 sets/hr into Jogger or Stacker Up to 3,600 sets/hr offset into Stacker	Dimensions & Net Weight	D 855 x W 830 x H 1972 mm 306 kg
Detection	Miss, Double, Paper Jam and Empty Bin Sensors	Options	Ultrasonic Double Sheet Detection
Counters	Total, Batch, Set Reject		
Controls	PC Controlled Job programming, save and recall, automated set-up Microsoft Windows-based GUI (Graphical User Interface)		