



# 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			
<b>Max booklet 1-up production speed</b>	5,050 A5-booklets/hr (1 subset) up to 10 sheets Booklet production can vary depending upon the number of pages and subsets	<b>Folding Capacity</b>	2 to 10 sheets
<b>Max booklet 2-up production speed</b>	Up to 10,100 booklets/hr (A6 @ 2-up)	<b>Max Scoring Thickness</b>	1 mm
<b>Max booklet thickness</b>	6 mm (30 sheets of 80 gsm, 120 page booklet)	<b>Stitching Capacity</b>	3 mm (30 Sheets of 80 gsm)
<b>Flat sheet size</b>	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	<b>Stitching Head Distance (1-up)</b>	55 to 196 mm
<b>Finished trimmed booklet size 1-up production</b>	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	<b>Stitching Heads</b>	Standard Fitting: 2x Hohner 43/6S Optional: Up to 4 Heads
<b>Finished booklet size 2-up production 1 stitch in smallest booklet</b>	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)	<b>Control Panel</b>	PC Control
<b>Paper Weight</b> <i>Fine quality paper</i>	64 to 157 gsm when L < 508 mm 81 to 157 gsm when L > 508 mm Cover 300 gsm	<b>Job Memories</b>	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	<b>Folding Rollers</b>	Automatic Mechanism
<b>DBMS-T5 Trimmer Front Knives</b>	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)	<b>Scoring Wheels (Double)</b>	Springloaded with Manual Height Adjustment
<b>DKTS-200 Head and Foot Knives</b>	Trim 1 to 30 mm each side 6 mm Gutter Cut max thickness 2.4 mm 8 mm Gutter Cut max thickness 4 mm	<b>Error Detect Sensors</b>	Stitching Wire (on the Saddle); Paper Feed; Paper Jam, Safety Guards
<b>DKTS-200 Options</b>	Kicker/Batching Unit Compressed Air supply required	<b>Power Supply</b>	200 - 240V 50/60Hz With 2 x DSC-10/60i = 3270W
		<b>Dimensions</b>	With 2 x DSC-10/60i = D 4,250 x W 3,340 x H 1,970 mm
		<b>Net Weight</b>	Approx 2,430 kg + options
		<b>Connecting Devices</b>	up to 6 x DSC-10/60i Collating Towers DCR-ST Stacker (Criss Cross) DBM-400STR Stacker (Straight & Offset Stacking)
		<b>Options</b>	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			
<b>Bin Capacity</b>	65 mm	<b>Features</b>	Block Mode Multi-size sheet handling (up to 6 sizes) Programmable Intelligent Bin Feeding A4 landscape Hand Marry Mode Hand Feeding Mode
<b>Paper Size</b>	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	<b>AMS+ Feeding System</b> <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
<b>Paper Weight</b>	52 to 300 gsm	<b>Power Supply</b>	220 - 240V 50/60Hz 5.3A 980W
<b>Max Processing Speed</b>	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	<b>Dimensions &amp; Net Weight</b>	D 855 x W 830 x H 1972 mm 306 kg
<b>Detection</b>	Miss, Double, Paper Jam and Empty Bin Sensors	<b>Options</b>	Ultrasonic Double Sheet Detection
<b>Counters</b>	Total, Batch, Set Reject		
<b>Controls</b>	PC Controlled Job programming, save and recall, automated set-up Microsoft Windows-based GUI (Graphical User Interface)		



MDS Inovativne Tehnologije d. d.  
Leskoškova cesta 9e, 1000 Ljubljana

+386 1 586 79 33

www.mds-it.si

info@mds-it.si

