iSaddle 5.0

Maximum Number of Bins	60 (connectable up to six DSC-10/60 towers)	
Bin Capacity	2.56"/65 mm	
Paper Weight	Fine quality	64 - 157 gsm
	Art coated	84.9 - 157 gsm
	Cover	64 - 300 gsm
Paper Size	Width: 2 stitches: 4.73" - 14.01" / 120 - 356 mm; 3 stitches (optional): 6.30" - 14.01" / 160 - 356 mm; 4 stitches: 8.47" - 14.01" / 215 - 356 mm	
	Length: 8.27" - 24.01" / 210 - 610 mm	
Number of Sheets (Saddle Stitch)	Up to 30 sheets (0.118" / 3 mm thick or less)	
Number of Stitch Heads	2 (Hohner), 3 or 4-stitch head kit optional	
Trim Capacity	Up to 0.235" / 6 mm	
Fore Edge Trim	0.04" to 0.98" / 1 - 25 mm (Up to 2.95"/75 mm for bookets 48 pages or less)	
Finished Booklet Size* 2 Stitch	No Trim 4.73" x 4.14" to 14.01" x 12.01" (120 x 105 mm to 356 x 305 mm); Fore Edge Trim Only 4.73" x 2.96" to 14.01" x 11.96" (120 x 75 mm to 356 x 304 mm)	
(WxL) 3 Stitch (Optional)	No Trim 6.30" x 4.14" to 14.01" x 12.01" (160 x 105 mm to 356 x 305 mm); Fore Edge Trim Only 6.30" x 2.96" to 14.01" x 11.96" (160 x 75 mm to 356 x 304 mm)	
4 Stitch	No Trim 8.47" x 4.14" to 14.01" x 12.01" (215 x 105 mm to 356 x 305 mm); Fore Edge Trim Only 8.47" x 2.96" to 14.01" x 11.96" (215 x 75 mm to 356 x 304 mm)	
Processing Speed	Up to 5,050 sets per hour (10 sheets or less A5)	

* Finished booklet size is subject to the initial paper size and the minimum/maximum fore edge trim specification.

DBM-400STR High Pile Stacker (Optional)

Paper Size (W x L)	8.27" x 5.47" to 13.77" x 19.68" (210 x 139 mm to 350 x 500 mm)
Maximum Stacking Capacity	16.93" (430 mm)
Stacking Modes	Straight and offset
Processing Speed	Straight Stacking (High Speed Mode): Up to 9,000 sets per hour A4 LEF
	Offset Stacking (High Speed Mode): Up to 5,550 sets per hour A4 LEF
	Note: Processing speed is subject to paper type, weight, and condition.

DKTS-200 Two Knife Trimmer (Optional)

Receivable Booklet Size	Width: 4.73" - 14.01" / 120 - 356 mm Length: 2.95"- 12.01" / 75 - 305 mm
	(4.81" / 122 mm minimum to enable Two Knife Trimming)
Trim Amount (Top and Bottom)	0.04" - 1.18" (1 - 30 mm)
Offset Trim Amount	0.04" - 1.18" (1 - 30 mm)
	Offset trim adjustment will vary, and may be limited, depending on the width of the
	booklet received and the finished booklet width
Finished Booket Size (WxL)	4.72" x 2.95" to 13.93" x 12.01" (120 x 75 mm to 354 x 305 mm)
(with 2-knife trim enabled)	
Trim Thickness	0.23" / 5.8 mm or less (Equivalent to 60 sheets of 81.4 gsm uncoated fine quality paper)

8MM Gutter Cutter (Optional)

Receivable Booklet Size	Width	2 stitch + gutter cut: 7.88" - 14.01" (200 - 356 mm)
		4 stitch + gutter cut: 8.47" - 14.01" (215 - 356 mm)
	Length	2.96" - 10" (75 - 254 mm)
Two-Up Finished Booklet Size	Width	1 stitch per book: 3.50" - 6.92" (89 - 176 mm)
		2 stiches per book: 3.68" - 6.92" (93 - 176 mm)
	Length	2.95"- 10" (74 mm - 254 mm)
Trim Thickness		0.157"/3.99 mm or less (Equivalent to 40 sheets using 81.4 gsm uncoated fine quality paper)

Features	DSC-10/60i Collator	Saddle Stitcher
Control Panel	PC Controller or LCD Color Touch Screen (Optional)	PC Controller
Detections	Double and misfeed, paper jam	Missed stitch, trim waste full
Other	Air Management (AMS), interleaf 1 and 2, alternate cover mode, block mode (1/2 & 1/4), left/right ejection direction, lift unit left with hand-marry (LUL-HM), reject function (LUL-HM), Intelligent Mult-Bin Feeding mode (IMBF)	Fully automatic functions: stitch head position, fold position, trim position
Options	Two to six DSC-10/60i towers (requires DSC-10/60D Bridge), DBM-400STR Right Exit Deep Pile Stacker (requires LUR Lift Unit Right), Ultrasonic Sensor Kit for DSC-10/60 (one kit supports two bins, up to 5 kits per tower), DSC-10/60ENVLP Envelope Kit, DCR-ST Cross Stacker, LUL-HM Barcode Reading Kit and LUR Barcode Reading Kits	3 and 4-stitch head kits, 6-page insert kit

	D-Port Converter	Power Requirements	Dimensions	Net Weight
DSC-10/60i Collator	N/A	120V 60Hz 7.9-8.4A 910-960W	34" x 33" x 78" (864 x 838 x 1,981 mm)	674 lb / 306 kg
DBMS-F5 Fold Unit	N/A	Power Supplied by DBMS-S5	56.42" x 37.95" x 58.39"(1,433 x 964 x 1,483 mm)	754 lb / 342 kg
DBMS-S5 Stitch Unit	N/A	200-240V 50/60Hz 3.2-3.8A 510-605 W	73.51" x 45.48" x 45.75" (1,867 x 1,155 x 1,162 mm)	946 lb / 429 kg
DBMS-T5 Trim Unit	N/A	200-240V 50/60Hz 2.5-3.3A 355-470 W	28.19" x 56.81" x 67.41" (716 x 1,443 x 1,712 mm)	511 lb / 232 kg
DKTS-200 Two Knife Trimmer and LSW2 Long Stacker Conveyor	N/A	200-240V 50/60Hz 3.0-3.3A 383-450 W	93.9" x 53.9" x 63.7" (2,384 x 1,367 x 1,617 mm)	1310 lb / 594 kg
DBM-400STR Deep Pile Stacker	Required	120V 60Hz 2.2A	29.5" x 36" x 35" (749 x 914 x 889 mm)	375 lb / 170 kg
DCR-ST Cross Stacker	Required	120V 60Hz 1.0A 85W	28" x 27" x 25" (711 x 686 x 635 mm)	115 lb / 52 kg

Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice.

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The leading provider of innovative precision finishing, print embellishment, and specialty finishing solutions. Contact us today to request samples or to get in touch with a finishing specialist.

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iSaddle 5.0

System

Fully Automated, Intelligent Saddle Stitching
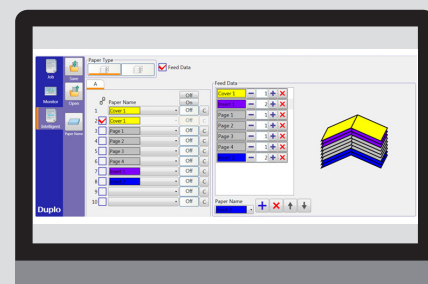
iSaddle 5.0 System

The iSaddle 5.0 is Duplo's next generation saddle stitcher combining intelligent feeding and collating with high performance scoring, folding, and stitching. Unlock the capability to produce a broader range of applications in a variety of sizes including 12" x 12", letter landscape and long cover booklets in-house and with minimal set up time. With a high speed of up to 5,050 booklets per hour, the iSaddle 5.0 brings the automation and versatility for high production jobs home.

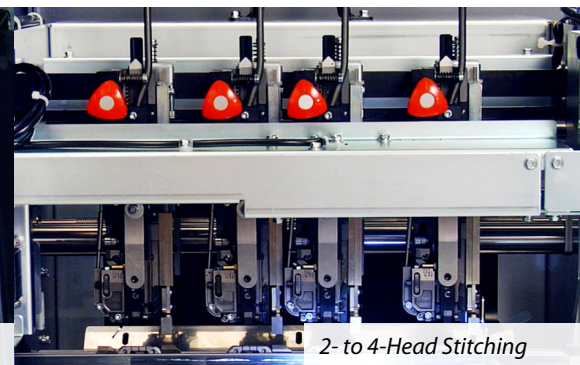## AUTOMATED SETTINGS AND CHANGEOVERS

Improve overall efficiency with fully automated settings that are managed entirely from a PC station. Utilizing the PC Controller software on the saddle stitcher, you can set up jobs in under 60 seconds. Simply select or enter a custom paper size and the saddle stitcher will automatically set the score, stitch, fold, and trim setting. Any fine-tune adjustments can be made with ease.

Use the computer's memory to save an unlimited number of jobs and retrieve them as needed. Changeovers from one size to another are performed within seconds and without any intervention or tooling required. A barcode scanner can be added to either lift unit to verify the integrity of each booklet.

INTELLIGENT FEEDING

Perform custom feeding for unique job requirements and maximize the power of your collator using the Intelligent Multi-Bin Feed (IMBF) function on the PC Controller. Merge black and white documents with color media, combine uncollated offset with collated digital output, and create one-to-one booklets by inserting variable data material. Take control of the feeding sequence by selecting bins to feed from and the quantity of sheets.

The DSC-10/60i incorporates Duplo's air suction belt feeder and air management system. Each of its 10 bins comes built-in with fine adjustments and patented dual fan technology that generates a steady flow of air for separation and feeding.

High resolution sensors are located in each bin to detect any misfeeds and double feeds as well as allow the feeding of different paper types and weights.

HIGH PERFORMANCE SADDLE STITCHING

Streamlining the binding process results in higher productivity. The iSaddle 5.0 integrates the scoring, stitching, folding, and trimming units into a powerful system – eliminating the task of setting and folding signatures separately.

Each collated set is jogged into alignment then scored and plough folded, producing thicker and flatter booklets. The iSaddle 5.0 comes standard with 2 Hohner heads with 3 and 4 Hohner head options available. Motor-driven stops and twin drive belts maintain control of each booklet.

Its increased versatility provides the capability to produce 4-stitched booklets using only 2 stitch heads. Booklets with up to 6 different sheet sizes can also be processed using the multi-sheet size function. Add the 6-page cover kit option to do even more.

Air Suction Collator | *iSaddle 5.0 System* | *Intelligent Multi-Bin Feeding* | *Scoring and Plough Folding* | *2- to 4-Head Stitching*

APPLICATIONS

Long Covers

Letter Landscape

Multiple Sheet Sizes

CD Size

THREE-KNIFE TRIMMING

Add three-side trimming and 2-up finishing capabilities to your system with the DKTS-200 Two Knife Trimmer. The gutter cutter along with the 4-stitch capability double the productivity of small format jobs up to 9,000 booklets per hour.

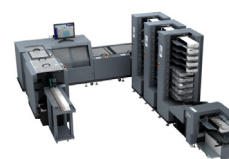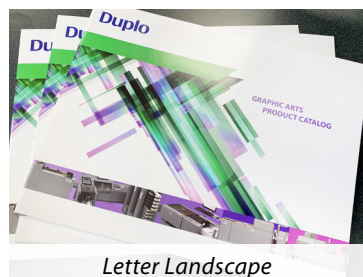*DKTS-200 configured with iSaddle 5.0*

MODULAR DESIGN

Designed to handle both offset (set-by-set) and digitally printed (sheet-by-sheet) output with equal ease, the iSaddle 5.0 can be connected with additional feeders.

iSaddle 5.0 Pro Duetto System
DSC-10/60i Collator + DSF-6000 Sheet Feeder

iSaddle 5.0 Pro Digital System
DSF-6000 Sheet Feeder

iSaddle 5.0 Digital Duetto System
DSC-10/60i Collator and DSF-2200 Sheet Feeder

iSaddle 5.0 Digital System
DSF-2200 Sheet Feeder

Scan to watch the video

- Flat sheet collating and bookletmaking solution for small production
- Connect up to six towers for a total of 60 bins
- Produces up to 120-page booklets
- Automatically goes from a CD size to a letter landscape booklet in seconds
- Modular design allows you to upgrade any module as your business grows