

iSaddle System SADDLE STITCHER

SPECIFICATIONS

DBMS SADDLE STITCHER & TRIMMER

Max. Booklet 1-up Production Speed	4,500 booklets/hr 5.83" x 8.27" (1 subset) up to 10 sheets Booklet production can vary depending upon the number of pages and subsets	DKT-200 Options Gutter Cut (DKT-200)	6mm Gutter Cut Knife Module Offset trim with manual control (Adjustable from 1 to 21 mm) Batch Kicker Unit
Max Booklet 2-up Production Speed	Up to 9,000 booklets/hr (When connected with DKT-200 Trimmer using Gutter Cut Module)	Thickness of 1 sub-set	2 - 10 sheets. Maximum thickness up to 0.04" (1.0 mm). May require multiple subsets depending on paper type and weight
Max. Booklet Thickness	0.24"/6 mm (30 sheets of 80 gsm folded/ 120 page booklet)	Scoring and Folding Capacity	2-10 Sheets. Maximum thickness up to 0.04" (1.0 mm). May require multiple subsets depending on paper type and weight
Max. Paper Width	14.01" (356 mm) - when the paper length is 20" (508 mm) or less. 9.06" (230 mm) - when the paper length is more than 20" (508 mm)	Max. Finished Booklet Size (Untrimmed)	14.01"(W) x 10"(L) (356 mm x 254 mm) or 9.06"(W) x 12.01"(L) (230 mm x 305 mm)
Max. Paper Length	24.02" (610 mm) - When paper width is 9.06" (230 mm) or less 20" (508 mm) - When paper width is more than 9.06" (230 mm)	Min. Finished Booklet Size (Untrimmed)	4.72" (W) x 4.13" (L) (120 mm x 105 mm)
Min. Paper Width	4.74" (120 mm)	Max. Finished Booklet Size 1-up Production (Face Trimmed Only)	14.01"(W) x 9.96"(L) (350 mm x 253 mm) or 9.06"(W) x 11.97"(L) (230 mm x 304 mm)
Min. Paper Length	8.27" (210 mm)	Min. Finished Booklet Size 1-up Production (Face Trimmed Only)	4.72" (W) x 2.95" (L) (120 mm x 75 mm)
Fine Quality Paper	Min: 64 gsm/ Max: 157 gsm/ Cover: 64 gsm - 300 gsm	Max Finished Booklet Size 2-up Production	6.85"(W) x 10"(L) (174 mm x 254 mm)
Art Coated paper	Min: 84.9 gsm/ Max: 157 gsm/ Cover: 84.9 - 300 gsm	Min Finished Booklet Size 2-up Production	3.54"(W) x 2.95"(L) (90 mm x 75 mm)
Max. Trim (DBMS-T)	0.98" (25 mm) or up to 2.95" (75 mm) with 12 sheet or less	Control Panel	PC Controller with Intelligent Multi Bin Feeding (IMBF)
Max Trimming Thickness(DBMS-T)	0.24" (6 mm) (30 sheets of 22/lb./ 81.4 gsm folded. Equivalent to trimming 60 sheets)	Job Memories	Infinite (Utilizes PC Memory)
Max Stitching Capacity	3 mm (30 Sheets of 80 gsm)	Detection	Stitch detection, Jam detection and Cover Open
Distance Between Stitch Heads Min./Max.	2 Stitch Heads: 2.36" to 12.05" (60 mm to 306 mm); 3 Stitch Heads (Optional): 4.73" to 12.04" (120 mm to 306 mm) Center Stitch Head is fixed; 4 Stitch Heads (Optional): 2.37" to 4.84" (60 mm to 186 mm) distance between inner stitch heads; 2.37" to 4.84" (60 mm to 123 mm) distance between outer stitch heads and inner stitch heads	Dimensions (WxDxH) & Net Weights	DBMS-F2: 55.55" x 36.22" x 35.35" - 756.32 lb. (343 kg) DBMS-S: 72.68" x 36.82" x 45.75" - 941.37 lb. (427 kg) DBMS-T: 28.27" x 27.56" x 46.73" - 606 lb. (275 kg) DKT-200 & DKT-LS: 90.63" x 31.5" x 46.02" - 1,040.58 lb. (472 kg)
Distance Between Inner Stitch Heads	Adjustable to 2.16" (55 mm) using fine adjustment.	Power Supply	200 - 240V, 50/60 Hz, 1.1 A to 2.7 A, 165 W to 410 W
Stitching Heads	Hohner 43/5 S Stitch Heads (x2) (Optional: 3 or 4)	Connecting Devices	DSC-10/60i Air Suction Collating Towers; DSF-2200 Digital Sheet Feeder DKT-200 Head and Foot Trimmer; DCR-ST Stacker (Criss Cross) and DCR-BP (Bypass); 400STR Stacker (Straight & Offset Stacking)
Max. Head and Foot Trim (DKT-200)	1.18" (30 mm) from head and foot of booklet for a total trim amount of 2.36" (60 mm)	Options	3 Stitch Head Kit; 4 Stitch Head Kit; 6 Page Cover Insert Kit (for DSC-10/60i only); Sheet by Sheet Air Kit
Minimum Head and Foot Trim (DKT-200)	0.04" (1 mm) from head and foot of booklet for a total trim amount of 0.08" (2 mm)		

DSC-10/60I COLLATOR

Configurations	iSaddle and iSaddle Duetto	Controls	PC Controlled
Bin Capacity	2.56" (65 mm)	Power Supply	120V, 60Hz, 8.4A, 960W
Paper Size	Max: 14" (W) x 20" (L) (356 mm x 508 mm) Min 4.13" (W) x 5.83" (L) (105 mm x 148 mm)	Features	Intelligent Multi Bin Feeding (IMBF), Block Mode, A4 landscape, Hand Marry Mode, Hand Feeding Mode, Total counter, Batch and Reject tray.
Paper Size Over 508 mm in Length	Max: 9.06" (W) x 24" (L) (230 mm x 610 mm)	Net Weight	673.50 lb. (303.5 kg)
Fine Quality Paper	Min: 52 gsm./ Max: 157 gsm/ Cover: 52 gsm. to 300 gsm	Dimensions (W x D x H)	33.66" x 32.68" x 77.64" (855 mm x 830 mm x 1,972 mm)
Art Coated Paper	Min: 79 gsm/ Max: 157 gsm/ Cover: 79 gsm. to 300 gsm	Options	Ultrasonic Double Sheet Detection DSC10/60 Envelop Kit (compatible with A and B towers only)
Max Booklet Processing Speed	Up to 4,500 Booklets/hr. into iSaddle System A5 (5.83" x 8.27") Up to 10,000 sets/hr. into Jogger or Stacker A5 (5.83" x 8.27") LEF	Connecting devices	iSaddle; DBM-500; DBM-350 (Using LCD Control Panel Only); DSF-2200 Sheet Feeder (in Duetto configuration); DCR-ST Stacker (Criss Cross); DBM-400STR Stacker (Straight & Offset Stacking); DBM-400STL (Using LCD Control Panel Only)
Detection	Miss, Double, Paper Jam and Empty Bin Sensors		

DSF-2200 SHEET FEEDER

Configurations	iSaddle Digital or iSaddle Duetto	Standard Features	OMR (Optical Mark Reader) end-of-set mark reader; Ultrasonic Double Sheet Detection; Alternate Function; Active Anti-Static bar
Paper Capacity	Main feed tray: 7.87" (200 mm) media stack height Auxiliary feed tray: 2.56" (65 mm) media stack height	Optional Barcode Reader Kit	1D & 2D Barcode recognition on both trays Codes Supported: Code 39, 93, 128, 2of5, Datamatrix
Paper Size	Max 14.01" (W) x 20" (L) (356 mm x 508 mm) Min 4.13" (W) x 7.87" (L) (105 mm x 200 mm)	Options	Trail Edge Air Kit (Extra air for long sheet sizes up to 24" (610 mm) in Length) Pre-loading Tray kit (Pre-loading stack of sheets on trolley)
Paper Size Over 508 mm in Length	Max 9.05" (W) x 24" (L) (230 mm x 610 mm)	Power Supply	100 - 240V, 50/60Hz, 2.6 to 1.1 A, 260W
Paper Weight	From 60 - 300 gsm	Net Weight	253.53 lb. (115 Kg)
Controls	PC controlled job programming, save and recall, automated set-up Microsoft Windows-Based GUI (Graphical User Interface)	Dimensions (W x D x H)	36.22" x 29.53" x 33.21" (920 mm x 750 mm x 843.5 mm)

Duplo

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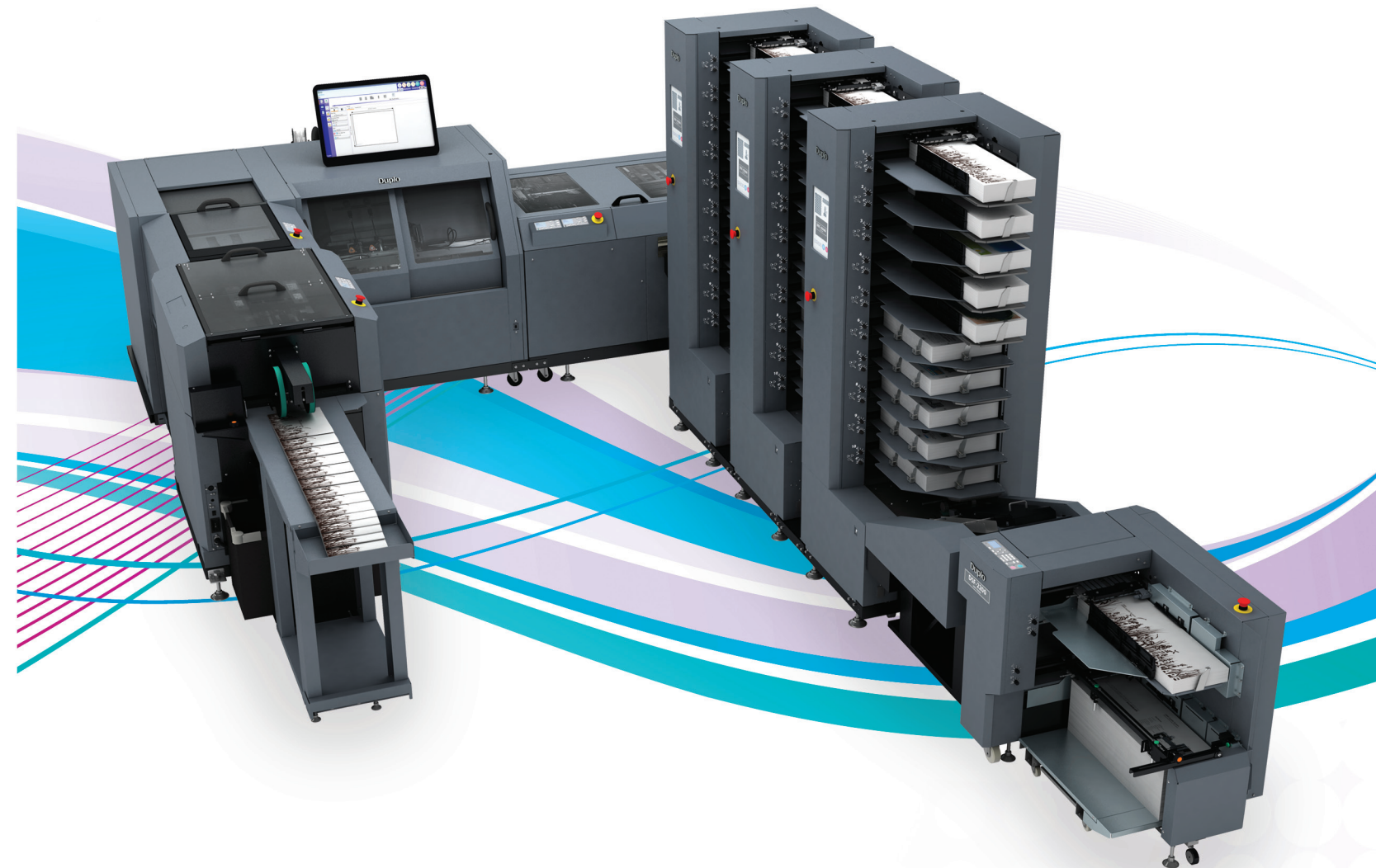
Duplo

from print to documents

iSaddle System

SADDLE STITCHER

Ideal for Landscape Booklets, CD Books, Brochures, Catalogs, and Instruction Manuals



Intelligent, fully automatic, precise saddle stitcher for offset and digital book production

Duplo's iSaddle is the only relevant saddle stitching option in today's market. The iSaddle offers a wealth of features that allow commercial and digital printers to grow and improve the profitability of their business. The iSaddle brings the best of both worlds, the flatter publications similar to the old generation saddle stitches and automation like the modern bookletmakers. The iSaddle is a future proof investment because of its new revolutionary saddle stitching technology and letter landscape capabilities.

ERGONOMICALLY DESIGNED

The iSaddle is the most compact saddle stitcher available in the market today. The "U shaped" ergonomic configuration and visible paper path, allows the operator to be in control of the complete production process. The whole system can be managed by a single operator.

AUTOMATED PRECISION

The iSaddle is equipped with the latest technology in saddle stitching allowing the automatic set-up of all book parameters to be accurately and precisely registered in approximately 60 seconds. The entire system is managed from a PC using Duplo's PC Controller software and the operator can create and save an unlimited number of jobs which can be recalled to perform job changeovers within a matter of seconds with little or no operator intervention.

ISADDLE WORKFLOW

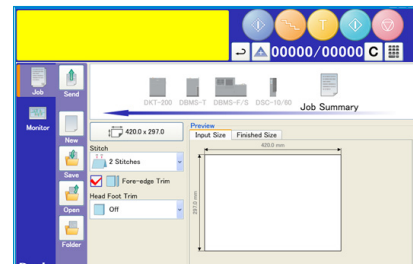


PRODUCTIVITY

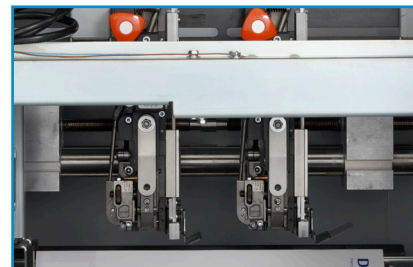
The iSaddle has been engineered with the latest technology to allow for its built-in features to maximize output and it can finish up to 4,500 booklets per hour. By adding the optional DKT-200 Two Knife Trimmer along with the optional Gutter Cut Module, productivity can be increased up to 9,000 booklets per hour for some 2-up applications. The DSC-10/60i has a large bin capacity of 2.56" and up to 4 towers can be connected to optimize productivity and feeding capacity. Intelligent Multi-Bin Feeding software allows the feeding of either pre-collated or collated sections in order to offer a fully flexible and highly productive system.

SUPERIOR FEEDING

The high speed and intelligent DSC-10/60i suction towers deliver superior performance while maintaining complete accuracy. Each tower of 10 bins comes with AMS+ (Air Management System Plus) as standard. Controlled from the PC Controller, this unique feeding system manages the high power fans that create air flow and vacuum independently for each bin, ensuring consistent and reliable feeding.



The user-friendly PC Controller software makes setup quick and easy.



The Hohner stitch heads automatically move into position when the job is recalled on the PC Controller. Optional 3-stitcher head and 4-stitcher head kits are also available.

POPULAR APPLICATIONS



CD Size Booklet



2-up Booklets



Letter Landscape

INTELLIGENT FEED SYSTEM

The DSC-10/60i PC Controller software comes standard with the Intelligent Multi Bin Feed (IMBF) feature. This feature enables the operator to select which bins to feed from, and quickly set and change how many sheets to feed from each of the selected bins and in what sequence to feed them in. The IMBF feature allows the DSC-10/60i to do more than just collate. It is an intelligent feeder that can be used for a variety of custom feeding applications, including pre-collated digitally printed documents.

SCORING AND FOLDING UNIT

The iSaddle accurately jogs and aligns each subset prior to scoring and plough folding to produce thicker, flatter and professional looking saddle stitched booklets up to 120 pages.

SADDLE STITCHING

The iSaddle offers the printer a choice of 2, 3 or 4 heavy duty Hohner wire stitching heads. Precise control of the book is maintained along the spine using motor driven stops and twin drive belts.

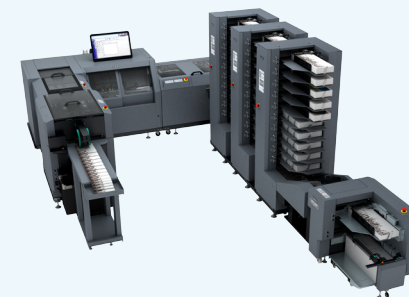
2 KNIFE TRIMMING

The iSaddle when connected with the optional DKT-200 trimmer provides a completely automatic 2 knife trimming operation. With the optional gutter knife, the printer can finish 2-up printed booklets at the speed of 9,000 per hour.

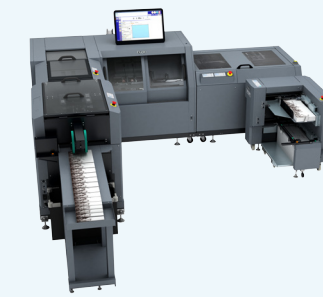
MODULARITY

The iSaddle is a highly versatile and modular saddle system that can be reconfigured and expanded as needs and demands change.

ISADDLE CONFIGURATIONS



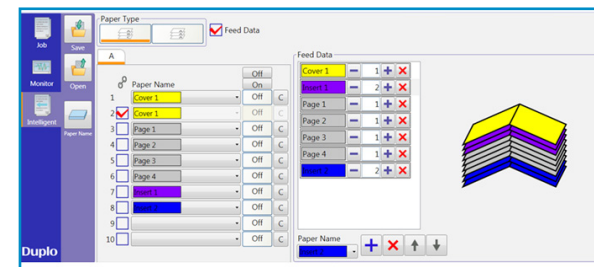
iSaddle Duetto System
Configured with DSC-10/60i + DSF-2200



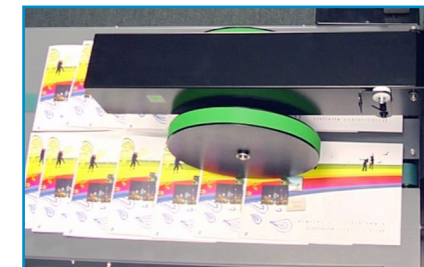
iSaddle Digital System
Configured with DSF-2200



iSaddle System
Configured with DSC-10/60i



Customize the feeding process. Merge digital with offset, black and white with color, and link bins for higher capacity and productivity.



Process 2-up applications up to 9,000 booklets per hour with the optional DKT-200 Two-Knife Trimmer and gutter cutter.