

## Specifications

### iSaddle

<b>Max Booklet 1-up Production Speed</b>	4,500 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>	2-10 Sheets
<b>Max Booklet 2-up Production Speed</b>	Up to 9,000 booklets/hr (when connected with DKT-200 Trimmer)	<b>Max Scoring Thickness</b>	1.0 mm
<b>Max Booklet Thickness</b>	6 mm (30 sheets of 80 gsm, 120 pages booklet)	<b>Fine Adjustment</b>	Front 0.1 mm
<b>Flat Sheet Size</b> <i>Max Flat Sheet Size over 500 mm in length</i>	Max 356 mm (W) x 508 mm (L) Max 230 mm (W) x 610 mm (L) Min 120 mm (W) x 210 mm (L)	<b>Max Stitching Capacity</b>	3 mm (30 Sheets of 80 gsm)
<b>Finished Untrimmed Booklet size</b>	Max 356 mm (W) x 254 mm (L) Min 120 mm (W) x 105 mm (L)	<b>Min/Max Stitching Head Distance (1-up)</b>	60 - 306 mm
<b>Finished Booklet Size 1-up Production</b> <i>Max Booklet size over 500 mm in length</i>	Max 350 mm (W) x 250 mm (L) Min 120 mm (W) x 75 mm (L) Max 210 mm (W) x 305 mm (L)	<b>Stitching Head Distance</b>	60 mm (55 mm in fine adjustment mode)
<b>Finished Booklet Size 2-up Production</b> <i>1 stitch in each booklet</i>	Max 174 mm (W) x 254 mm (L) Min 90 mm (W) x 75 mm (L)	<b>Stitching Heads</b>	Standard Fitting: 2x Hohner 43/65 Optional: Up to 4 Heads
<b>Paper Weight Fine quality paper</b> <i>Cover:</i> <i>Flat Sheet Size over 500 mm in Length</i> <b>Art/Coated paper:</b> <i>Cover:</i> <i>Flat Sheet Size over 500 mm in Length</i>	from 64 gsm to 157 gsm from 64 gsm to 300 gsm from 81.4 gsm or more from 84.9 gsm to 157 gsm from 84.9 gsm to 300 gsm from 104.7 gsm or more	<b>Control Panel</b>	PC Control
<b>DBMS-T Trimmer Front Knives</b> <i>Max Trimming Thickness</i>	Max/Min Trim 2-25 mm Up to 75 mm with 12 pages or less 6 mm	<b>Job Memories</b>	Infinite from PC Controller
<b>DKT-200 Head and Foot Knives</b> <i>DKT-200 Options</i>	Max/Min trim 2-60 mm 30 mm Max trim for each knife 6 mm Gutter Cut knives Offset Trim with manual control (from 1 to 21 mm) 6.4 mm Diameter 2 Hole Punch Kicker/Batching Unit	<b>Folding Rollers</b>	Automatic Mechanism
<b>Max Thickness of 1 sub-set</b>	Up to 1.0 mm x 80 gsm	<b>Scoring Wheels (Double)</b>	Springloaded with Manual Height Adjustment
		<b>Error Detect Sensors</b>	Stitching Wire (on the Saddle); Paper Feed; Paper Jam, Safety Guards
		<b>Power Supply</b>	200 - 240V 50/60Hz 950 W
		<b>Dimensions - Net weights:</b>	<i>DBMS-F Folder</i> 1411mm(W) x 920mm(D) x 898mm(H) - 343kg <i>DBMS-S Stitcher</i> 1845mm(W) x 935mm(D) x 1162mm(H) - 427kg <i>DBMS-T Trimmer</i> 718mm(W) x 700mm(D) x 1187mm(H) - 275kg <i>DKT-200 &amp; DKT-LS</i> 2302mm(W) x 700mm(D) x 1169mm(H) - 472kg
		<b>Connecting Devices</b>	up to 4 DSC-10/60i Collating Towers DSF-2200 Sheet Feeder DKT-200 Head and Foot Trimmer DCR-ST Stacker (Criss Cross) 400STR Stacker (Straight & Offset Stacking)
		<b>Options</b>	3 or 4 Hohner Flat/Loop heads 6 Page Cover Insert Kit (for DSC10/60i only) Sheet by Sheet Air Kit

### DSC-10/60i Suction Tower Collator

<b>Configurations</b>	iSaddle and iSaddle Duetto	<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>Bin Capacity</b>	65 mm	<b>Power Supply</b>	220 - 240V 50/60Hz 5.3A 980W
<b>Paper Size</b>	Max 356 mm (W) x 508 mm (L) Min 105 mm (W) x 148 mm (L)	<b>Net Weight</b>	303.5 Kg
<b>Paper Size Over 508 mm in Length</b>	Max 230 mm (W) x 610 mm (L)	<b>Dimensions</b>	855 mm (D) x 830 mm (W) x 1972 mm (H)
<b>Paper Weight</b>	from MIN 52 gsm to MAX 300 gsm	<b>Connecting devices</b>	iSaddle (up to 4x DSC10/60i Towers) DBM-500 & DBM-350 DSF-2200 Sheet Feeder (also in Duetto configuration) DCR-ST Stacker (Criss Cross) 400STR Stacker (Straight & Offset Stacking)
<b>Max Booklet Processing Speed</b>	4,500 A5 Booklets into iSaddle System Up to 10,000 A5 sets/hr into Jogger or Stacker	<b>Options</b>	Ultrasonic Double Sheet Detection Barcode Reader Kit (not available at launch)
<b>Detection</b>	Miss, Double, Paper Jam and Empty Bin Sensors		
<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)		
<b>Features</b>	Block Mode Programmable Intelligent Bin Feeding A4 landscape Hand Marry Mode Hand Feeding Mode		

### DSF-2200 Sheet Feeder

<b>Configurations</b>	iSaddle Digital or iSaddle Duetto	<b>Optional Barcode Reader Kit</b>	1D & 2D Barcode recognition on both trays Codes Supported: Code 39, 93, 128, 2of5, Datamatrix
<b>Paper Capacity</b>	Main feed tray: 200 mm media stack height Auxiliary feed tray: 65 mm media stack height	<b>Options</b>	Trail Edge Air Kit (Extra air for long sheet sizes up to 610 mm in Length) Pre-loading Tray kit (Pre-loading stack of sheets on trolley)
<b>Paper Size</b>	Max 356 mm (W) x 508 mm (L)	<b>Power supply</b>	220 - 240V 50/60Hz 1.1 A 260W
<b>Paper Size Over 508 mm in Length (optional)</b>	Max 230 mm (W) x 610 mm (L) Min 105 mm (W) x 200 mm (L)	<b>Net Weights</b>	115 Kg
<b>Paper Weight</b>	from 60 gsm to 300 gsm	<b>Dimensions</b>	920 mm (W) x 750 mm (D) x 843.5 mm (H)
<b>Controls</b>	PC Controlled Job programming, save and recall, automated set-up Microsoft Windows-Based GUI (Graphical User Interface)		
<b>Standard Features</b>	OMR (Optical Mark Reader) end-of-set mark reader Ultrasonic Double Sheet Detection Hand Feeding Active Anti-Static bar		

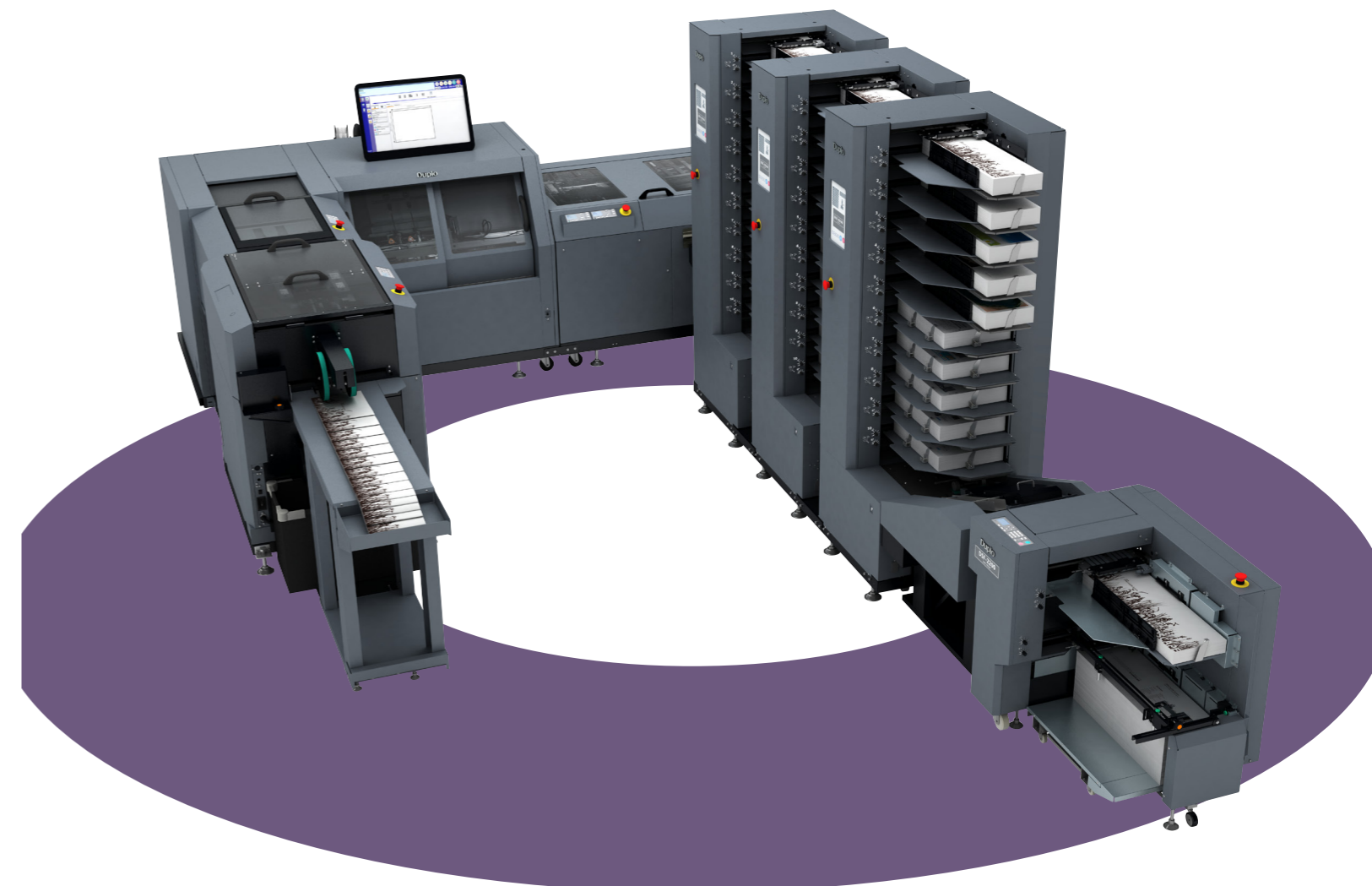
**Duplo**<sup>®</sup>  
from print to documents

# iSADDLE FAMILY SADDLE STITCHER

PRECISE INTELLIGENCE

PC Controller  
A4 Landscape booklets  
Fully automatic setup

Brochures, Catalogues, Car/boat and luxury sales brochures (A4 landscape), Instruction manuals- mobile phones/ games, cameras  
Educational course work – Schools and universities, CD and CD Rom books, Tourist industry - Travel brochures and guides



G R O U P E  
**CK**  
CHARLES KIEFFER

CK Business Center  
2, rue Léon Laval  
Z.A. Am Bann  
L-3372 Leudelange  
Tél : +352 26 380-1 Fax : 26 380-380

www.ck-online.lu www.konicaminolta.lu  
postprint@ck-online.lu



Duplo's iSaddle Family is the only relevant Saddle stitching option in today's market. The iSaddle family offers a wealth of features that allows commercial and digital printers to grow and improve probability of their business. The iSaddle Family 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 A4 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 the user friendly touch screen PC controller and the operator can create and save an unlimited number of jobs with ease for future instant recall. The job changeover is done without the use of any tools, any extra parts and without operator's intervention.



**Productivity**

The iSaddle has been engineered to provide the latest technology to allow for the built-in features to maximise output. It can finish up to 4,500 books per hour without operator intervention or any wastage. Adding the optional DKT-200, 3 knife trimmer, increases this up to 9,000 books per hour. The DSC-10/60i has a large bin capacity of 65mm and up to 4 towers can be connected allowing the feeding of multiple subsets or complete sets in various configurations. 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 whilst maintaining complete accuracy. Each tower of 10 bins comes with A.M.S.+ (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, enabling reliable feeding regardless of paper weight or size.



**Intelligent Feed system**

The DSC-10/60i includes I.M.B.F. (Intelligent Multi Bin Feeding) which allows the operator to select each bin individually, as a block, a tower or link multiple independent bins together to best suit each application. Each tower is completely independent and can be optimised to feed single or multiple sheets from each bin, a huge benefit when producing variable data publications.



**Scoring and Folding Unit**

The scoring wheels on the iSaddle are automatically positioned to create the correct height according to the number of pages programmed in a set. Then the set is transferred to the plough fold unit. The folding wheels are automatically positioned to provide flatter books from 2-120 pages. Additionally, the booklet squareness and skewing can be easily and rapidly adjusted to insure accuracy.



**Saddle Stitching**

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



**3 Knife Trimming**

The iSaddle when connected with the optional DKT-200 trimmer provides a completely automatic 3 knife trimming operation. With the optional gutter knife, the printer can finish 2-up printed books at the speed of 9000 per hour.

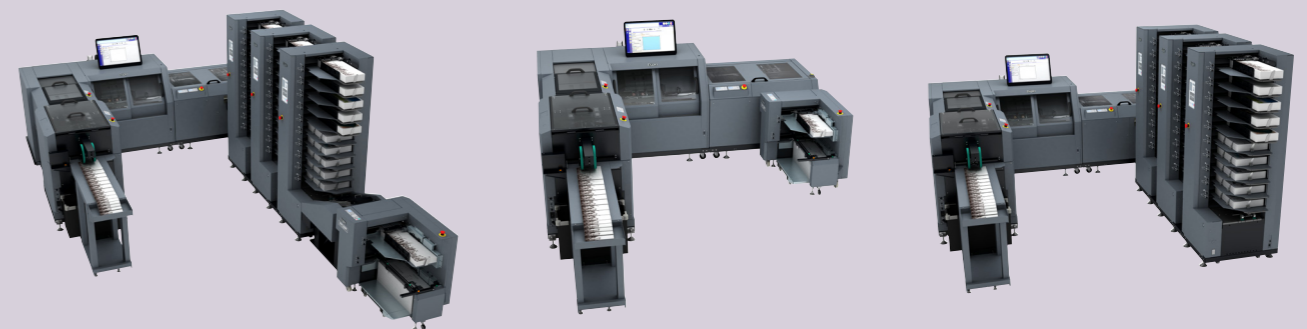


**Modularity**

The iSaddle is highly versatile and modular saddle system that can be re-configured and expanded as needs and demands change.



**Modularity**



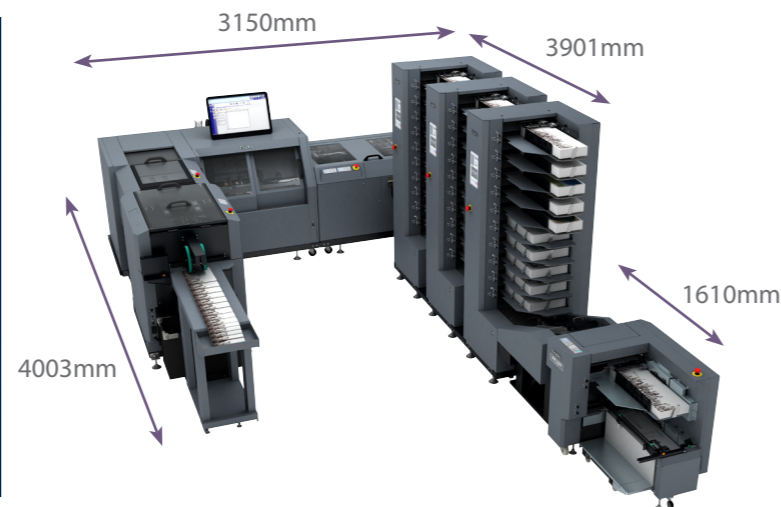
iSaddle Duetto System

iSaddle Digital System

iSaddle System



iSaddle paper path



iSaddle Duetto System footprint



Applications