

## Specifications

### iSaddle Pro Digital System

<b>System Configuration</b>	DSF-6000 Sheet Feeder DSF-Twin Feeder (Option) DBMS-Folder/Stitcher/Fore Edge Trimmer DKT-200 2 Knives Head & Foot Trimmer LSW Long Conveyor	<b>Power Supply</b>	220 - 240V 50/60Hz, 8 A, 2020 W
		<b>Configuration Dimensions - Net Weights</b>	U-shape configuration 3217 mm (W) x 4229 mm (D) x 1776 mm (H) -1,894 kg Minimum access at rear: 600 mm

### iSaddle (Scoring, Plough-Folding, Stitching, Trimming)

<b>Max Booklet Thickness</b>	6 mm (30 sheets of 80 gsm, 120 pages book)	<b>Max Scoring Thickness</b>	1.0 mm
<b>Flat Sheet Size</b> DSF-6000 and DSF-TwinFeeder DSF-Twin Feeder only	Max 356 mm (W) x 525 mm (L) Max 356 mm (W) x 610 mm (L) Min 120 mm (W) x 210 mm (L)	<b>Fine Adjustment</b>	From 0.1 mm
<b>Finished Untrimmed Booklet size</b> DSF-6000 and DSF-Twin feeder	Max 356 mm (W) x 262.5 mm (L) Min 120 mm (W) x 105 mm (L)	<b>Max Stitching Capacity</b>	3 mm (30 Sheets of 80 gsm)
<b>Finished Booklet Size 1-up Production</b> DSF-6000 and DSF-Twin feeder DSF-Twin Feeder only	Max 354 mm (W) x 261.5 mm (L) Min 120 mm (W) x 75 mm (L) Max 354 mm (W) x 305 mm (L)	<b>Min/Max Stitching Head Distance (1-up)</b>	60 - 306 mm
<b>Finished Booklet Size 2-up production</b> 1 stitch in each booklet	Max 174 mm (W) x 254 mm (L) Min 90 mm (W) x 75 mm (L)	<b>Stitching Head Distance (2-up)</b>	60 mm (55 mm in fine adjustment mode)
<b>DBMS-T Trimmer Front Knives</b> Max Trimming Thickness	Min/Max Trim 2-25 mm Trim up to 75 mm with 12 pages or less 6 mm	<b>Stitching Heads</b>	Standard Fitting: 2xHohner 43/6S, wire size #25 to #27 Optional: 3 to 4 Heads (flat & loop)
<b>DKT-200 Head and Foot Knives</b> DKT-200 Options	Min/Max trim 2-60 mm 30 mm Max trim for each knife 6 mm Gutter Cut knives (4 mm - 8 mm on special request) Offset Trim with manual control (from 1 to 21 mm) 6.4 mm Diameter 2 Hole Punch Kicker/Batching Unit	<b>Control Panel</b>	PC Controller & individual screens for fine adjustment
<b>Max Thickness of 1 sub-set</b>	Up to 1.0 mm x 80 gsm	<b>Folding Rollers</b>	Automatic Mechanism
<b>Plough Folding Capacity</b>	2-10 Sheets	<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>	DBMS-F Folder 1411 mm (W) x 920 mm (D) x 898 mm (H) - 343 kg, 0.8 A DBMS-S Stitcher 1845 mm (W) x 935 mm (D) x 1162 mm (H) - 427 kg, 2.8 A DBMS-T Trimmer 718 mm (W) x 700 mm (D) x 1187 mm (H) - 275 kg, 2.4 A DKT-200 & DKT-LSW 2302 mm (W) x 700 mm (D) x 1169 mm (H) - 472 kg, 4.4 A

### DSF-6000 Feeder (Deep-pile stack)

<b>AMS+ Feeding System</b>	8 belt suction, top feed from pallet on elevator. Air separation from turbines and pump on 3 sides Ability to increase the flow, strength and vacuum of air Side air, trail edge air and front air adjustment	<b>Features</b>	PC Controller, Windows based Graphical User Interface: job programming, save and recall, automated set-up. Job audit logging when used with barcode control. Infinite job memories from PC Controller OMR (Optical Mark Reader) end-of-set mark reader Optical & Ultrasonic double sheet detection Hand feeding (max 30 sheets or 3 mm) Built-in active anti-static bar Air-bed rolling pallet paper tray (pump included)
<b>Paper Capacity</b>	610 mm media stack height	<b>Options</b>	Extra paper adaptor tray to suit different digital printing presses Printers Supported HP Indigo 5XXX/7XXX, Xerox IGEN3/4
<b>Paper Sizes</b>	Max 364 mm (W) x 525 mm (L) Min 120 mm (W) x 210 mm (L)	<b>Power Supply</b>	220 - 240V 50/60Hz, 2.7 A, 250W - I/F box 1.9 A, 180W
<b>Paper Weight</b>	From 64 to 300 gsm	<b>Dimensions - Net Weights</b>	1519 mm (W) x 797 mm (D) x 1148 mm (H) - 302 kg, 0.8 A
<b>Buffer Capacity</b>	Integrated Buffer section with adjustable air separation, guaranteeing full speed production 10 sheets or less (1.5mm thickness or less)		
<b>Sheet Feed Speed</b>	up to 600 sheets per minute (A4 SEF)		

### DSF-TWIN Feeder (Covers, inserts, A4-Landscape format)

<b>AMS+ Feeding System</b>	8 belt suction, top feeding. Air separation from turbines and pump on 3 sides Ability to increase the flow and strength of air and vacuum on each bin Side air, trail edge air and front air adjustment	<b>Paper Weight</b>	From 64 to 300 gsm
<b>Paper Capacity</b>	2x60 mm media stack height, top and bottom trays	<b>Sheet Feed Speed</b>	109 A4 Landscape per minute in sheet feed mode
<b>Paper Sizes</b>	Max 356 mm (W) x 610 mm (L) Min 120 mm (W) x 210 mm (L)	<b>Features</b>	Ultrasonic double sheet detection
		<b>Optional Anti-Static Bar</b>	Anti-static bar kit for sheet by sheet mode
		<b>Power Supply</b>	Supply from DSF-6000
		<b>Dimensions - Net Weights</b>	(stand alone) 867 mm (W) x 743 mm (D) x 662 mm (H) - 75 kg DSF-6000 and Twin feeder together 1519 mm (W) x 797 mm (D) x 1776 mm (H) - 377 kg

### Optional Barcode Readers

<b>Barcode Types</b>	1D & 2D Barcode recognition 1D codes supported: Code 39, 93, 128 (incl. EAN28), Codabar (NW-7), Interleaved 2 of 5 2D codes supported: QR-Code, Datamatrix, PDF417, MicoPDF417	<b>DSF-6000 Sheet Feeder</b>	1xbarcode scanner for deep pile tray
		<b>DSF-Twin Feeder</b>	2xbarcode scanners for tray A & B, alternate mode
		<b>DBM-LSW Long Stacker Wide</b>	1x barcode scanner (exit of trimmer)

# Duplo®

from print to documents

# iSADDLE PRO DIGITAL SYSTEM

HIGH SPEED SADDLE STITCHER FOR PERSONALISED BOOKLETS FROM DIGITAL PRINT

High capacity sheet feeder  
A4 Landscape Twin Feeder  
Unique integrated buffer section for high speed feeding  
Full set integrity check with barcode reading

Brochures · Manuals · Personalised Documents  
Pension & Financial Investment Reports · Price lists · Leaflets



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Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions.



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iSaddle PRO Digital System with DKT-200  
Including DSF-6000 and DSF-Twin feeder

Duplo has once again succeeded in moving traditional saddle stitching technology into the highly challenging personalised digital printing environment.

The iSaddle PRO Digital System offers enhanced features and greater productivity for professional finishing. By combining the iSaddle with the DSF-6000 Sheet Feeder, this easy-to-use system offers the ultimate solution for converting pre-collated digital or offset printed media into high quality booklets.



**Superior Sheet Feeding**

Equipped with a technologically-advanced Air Management System, the DSF-6000 provides an unsurpassed level of high speed performance. This consistently feeds a wide variety of digital or offset paper types and weights, at a speed of up to 600 sheets per minute

Three-side air separation and the integrated static eliminator effectively handles the common feeding challenges associated with digitally printed media. The additional Ultrasonic sensors eliminate the risk of double feeds and ensure every book is sellable.



**A4 Landscape Twin Feeder.**

The flexibility of the DSF-6000 can be further enhanced by adding the multi-function DSF-Twin Feeder. Used as a cover feeder, to insert pages into the sets, the Twin Feeder can work with the main feeding tray or completely independently.



**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.



**Automated Precision**

Duplo's PC Controller software, allows a single operator to easily manage and control the entire system. The iSaddle PRO Digital System is equipped with the latest technology in saddle stitching. The PC Controller automatically sets up all book parameters accurately and precisely, in approximately 60 seconds and enables the operator to make fine adjustments, if needed. The job changeover between an unlimited number of jobs can be done without the use of any tools, any extra parts and without the operator's intervention.



**Near-Line Finishing**

Merge together digital and offset sheets from any press, insert sheets, produce simple brochures and complex personalised documents - all without compromising print production and benefitting from high speed, reliable feeding.

**Pallet-Style Paper Tray**

The DSF-6000 standard rolling pallet has a loading capacity of 610mm and allows pre-loading outside the machine. An adaptor enables the pallet tray to fit inside a digital press, making the system an ideal solution for finishing production, in the same area as the presses are located.

**Scoring & 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 ensure accuracy.

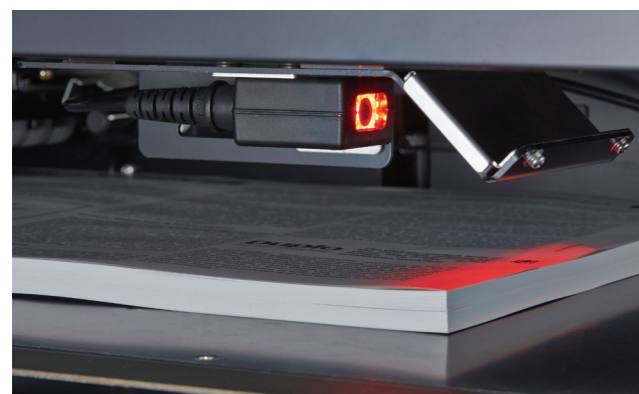


**Document Verification**

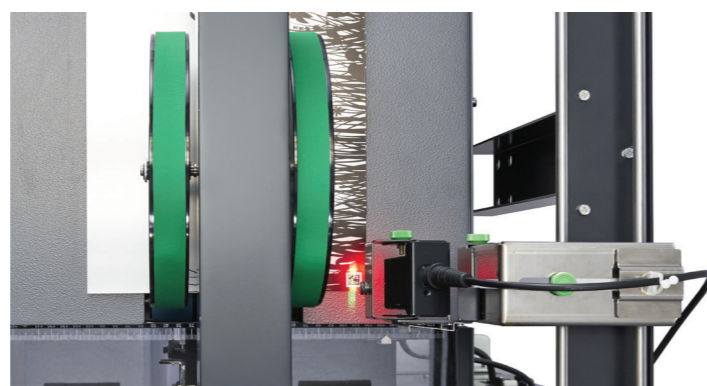
The iSaddle PRO Digital System has integrated OMR (Optical Mark Readers) as standard, allowing the machine to manage separate documents.

In addition, optional barcode reader kits can ensure the integrity of each booklet with variable, personal and sensitive information by verifying that each sheet is fed in the correct sequence. An additional barcode kit can be installed at the exit of the trimmer, to verify that each booklet has been successfully processed.

All data is recorded in the PC controller, creating a historical audit trail, allowing reporting and analysis to determine if any reprints are required.



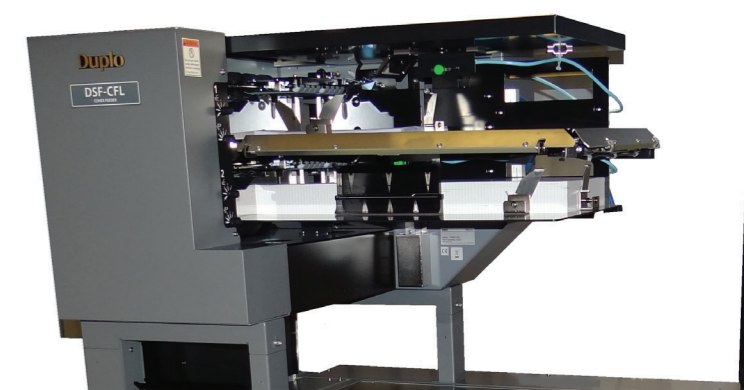
Barcode reader for personal & sensitive data



A Barcode reader located at the exit



High-speed, deep pile feeding



Twin Feeder with A4 Landscape