Specifications

**iSaddle**

- **Max Booklet 1-up Production Speed**: 4,500 A5 booklets/hr (1 subset) up to 10 sheets per set
- **Max Booklet 2-up Production Speed**: Up to 5,000 booklets/hr (when connected with DKT-200 Trimmer)
- **Max Booklet Thickness**: 6 mm (30 sheets of 80 gsm, 120 pages booklet)
- **Flat Sheet Size**: Max 356 mm (W) x 508 mm (L)
- **Max Untrimmed Booklet Size**: Max 210 mm (W) x 254 mm (L)
- **Max Booklet Size over 500 mm in Length**: Max 210 mm (W) x 505 mm (L)
- **Max Booklet Size over 500 mm in Width**: Max 300 mm (W) x 508 mm (L)
- **Max Booklet Size over 500 mm in Height**: Max 356 mm (W) x 508 mm (L)
- **Finishing Specifications**:
  - **2-10 Sheets**: Folding Capacity
  - **Max Thickness of 1 subset**: Up to 1.0 mm x 80 gsm
- **DKT-200 Options**
  - **DKT-200 Head and Foot Trimmer**
  - **Max Trimming Thickness**: 6.4 mm Diameter 2 Hole Punch
  - **DBM-5 Folder**
  - **Min/Max Stitching Head Distance (1-up)**: 3 mm (30 Sheets of 80 gsm)

**iSADDLE FAMILY**

**SADDLE STITCHER**

- **Dimensions**: 920 mm (W) x 750 mm (D) x 843.5 mm (H)
- **Net Weights**: 220 - 240V 50/60Hz 1.1 A 260W

**Precise Intelligence**

**PC Controller**

- **A4 Landscape booklets**: Fully automatic setup

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**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**

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**iSaddle Digital or Saddle Digital**

- **Paper Capacity**: Max feed tray: 200 mm media stack height
- **Auxiliary feed tray: 65 mm media stack height
- **Paper Size**: Max 356 mm (W) x 508 mm (L)
- **Paper Size Over 508 mm in Length (optional)**
- **Paper Weight**: from 60 gsm to 300 gsm
- **Controls**: PC Controlled Job programming, save and recall, automated set-up
- **Features**:
  - Fully Automatic setup
  - Programmable Intelligent Bin Feeding
  - Hand Made Mode
  - Hand Feeding Mode
- **Standard Features**:
  - ODRI (Optical Mark Reader) end-of-set mark reader
  - Ultrasonic Double Sheet Detection
  - Hand Feeding
  - Active Anti-Static bar

**DSF-2200 Sheet Feeder**

- **Configuration**: Saddle Digital or Saddle Digital
- **Paper Capacity**: Max feed tray: 200 mm media stack height
- **Auxiliary feed tray: 65 mm media stack height
- **Paper Size**: Max 356 mm (W) x 508 mm (L)
- **Paper Size Over 508 mm in Length (optional)**
- **Paper Weight**: from 60 gsm to 300 gsm
- **Controls**: PC Controlled Job programming, save and recall, automated set-up
- **Features**: Microsoft Windows-based GUI
- **Standard Features**:
  - ODRI (Optical Mark Reader) end-of-set mark reader
  - Ultrasonic Double Sheet Detection
  - Hand Feeding
  - Active Anti-Static bar

**AMS > Feeding System**

- **Total Feed Control on Each Bin**
- **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**: Automatically adjust the feed timing
- **Automatic set-up**: Automatically adjust the sheet overlap

**Power Supply**

- **Net Weight**: 303 Kg

**Dimensions**:
- **855 mm (D) x 830 mm (W) x 1972 mm (H)
- **Connecting Devices**:
  - Stand-by or waiting mode
- **Options**:
  - Ultrasonic Double Sheet Detection Barcode Reader Kit (not available at launch)
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.