

Duplo

EFFICIENCY REDEFINED. TRADITION REINVENTED.

With the iSaddle SENSHI, Duplo once again sets a new benchmark by providing the speed and quality of a saddle stitcher with the convenience of flat sheet.

Developed from the Duplo iSaddle 5.0 solution, which provides intelligent saddle stitching on demand, the iSaddle SENSHI takes booklet making to a whole new dimension with a clear focus on:

Versatility & flexibility: intelligent operation that optimises having multiple feed trays

Quality: beautiful flat books of up to 120 pages

Productivity: High running speed with features that reduce makeready and stoppages

Automation: ideal when handling more runs of shorter length



Bring the convenience of flat-sheet finishing to more high volume customers seeking a more economical & flexible production solution.

VERSATILITY & FLEXIBILITY

- Automated settings and changeover through our PC-based Controller
- Multiple feed trays allow wide range of loading choices and flexibility in operation
- Split and block together groups of feed trays to create high capacity continuous running
- Available as 2 or 3 lines, with 1 or 2 towers per line, allowing you to add modules and sections to the iSaddle SENSHI as your needs grow

QUALITY

- Thick books of up to 120 pages with no loss of speed
- Multiple folders with adjustable scoring for each line = easier to achieve high quality folding and align spreads
- Formats with multiple sheet size at high speed

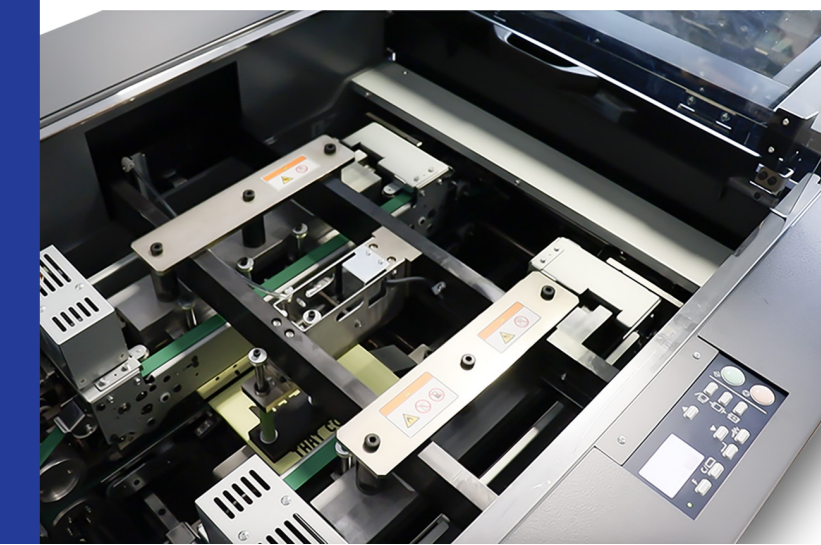
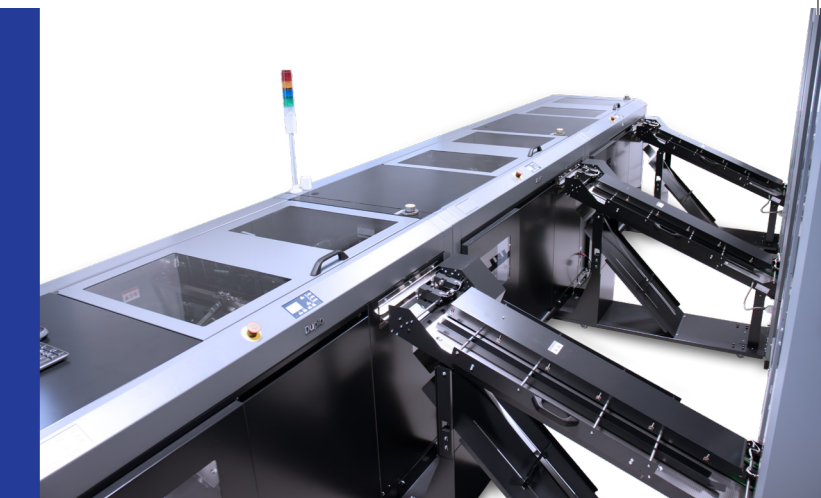


AUTOMATED SETTINGS & CHANGEOVERS

Improve overall efficiency with fully automated settings that are managed entirely from a Windows-based GUI. Utilizing the PC Controller software on the iSaddle SENSHI, 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 and the computer's memory can be used to save an unlimited number of jobs and retrieve them as needed.

HIGH PERFORMANCE SADDLE STITCHING

The iSaddle SENSHI integrates scoring, stitching, folding, and trimming units into a powerful system, producing thicker and flatter booklets.



PRODUCTIVITY

- Running speed from 2 to 30 sheets at the same high rate
- Simultaneous Block Change = reduced waste and stoppages
- Auto-Reject of incomplete books without stopping system
- Operation and job preparation can take place at same time = Reduced makeready between jobs
- Operator convenience and operability through improved access to loading and unloading

AUTOMATION

- Intelligent feeding system accommodates wide range of media thickness and condition, reducing operator burden
- PC-based controller to automate settings and changeovers
- Automated mechanisms reduce makeready and waste and increase accuracy
- Job Reporting function for MIS integration of data



INTELLIGENT FEEDING

The DSC-10/60i incorporates Duplo's air suction belt feeder and air management system.

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.

Additionally, the double tower configuration will enable you to reload on the run, removing the need to stop production to reload.

THE STORY BEHIND THE SENSHI

The name "SENSHI," derived from the Japanese word for "warrior" (戦士), symbolises strength and agility, qualities embodied by this addition to Duplo's innovative line-up.

Duplo wanted to honour its Japanese roots whilst beautifully illustrating what the latest Duplo Saddle Stitcher brings to the market: Strength and agility for a production environment.

The iSaddle SENSHI is a fusion of agility, accuracy, and automation (at the heart of every Duplo solution), built for the success of a modern high production environment. Designed to meet the demands of fast-paced operations, this machine offers unmatched performance, ensuring high-quality saddle stitched booklets with efficiency and reliability.

The iSaddle SENSHI builds upon Duplo's renowned iSaddle 5.0 technology, enhancing automation and speed to meet the evolving demands of the industry. Whether it's publishing, marketing, or commercial printing, this sophisticated solution empowers businesses to deliver superior results efficiently and effectively.



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ISADDLE SENSHI GENERAL SPECIFICATIONS

SPECIFICATIONS

Max Booklet 1-up Production Speed	5,050 x A5 / hr (L210 spine) 4,000 x A4 / hr (L297 spine) 3,900 x A4-Landscape / hr (L210 spine) 4,500 x A6 / hr (L 148.5 spine)
Max Booklet 2-up Production Speed	Up to 10,100 booklets/hr (A6 @ 2-up)
Max Booklet Thickness	6mm for 30 sheets of 80gsm, 120 page booklet. 2-Line system, 20 sheets, 80 pages
Flat Sheet Size	Max: W 356mm x L 610mm ^{*1} Min: W 120mm x L 210mm
Finished Trimmed Booklet Size 1-up Production	Max: W 354mm x L 304mm ^{*2} Min: W 120mm x L 75mm
Finished Booklet Size 2-up Production	Max: W 174mm x L 254mm Min: W 90mm x L 75mm (with 6mm gutter)
1 Stitch in Smallest Booklet	Min: W 89mm x L 75mm (with 8mm gutter)
Paper Weight <i>Fine Quality Paper</i>	64gsm to 157gsm when L < 508mm 81gsm to 157gsm when L > 508mm Cover 300gsm
Art/ Coated Paper	85gsm to 157gsm when L < 508mm 105gsm to 157gsm when L > 508mm Cover 300gsm

DBMS-T5 Trimmer Front Knives	Fore edge trim 1mm to 25mm Max: 75mm with 12 pages or less Max thickness: 6mm (120 page booklet of 80gsm)
Folding Capacity	2 to 10 sheets per line
Max Scoring Thickness	1mm
Stitching Heads	Standard Fitting: 2x Hohner 43/65 Optional: Up to 4 Heads
Control Panel	Microsoft® Windows® based GUI (Graphical User Interface)
Job Memories	Infinite from PC Controller
Options	4 x Hohner Flat/Loop heads Sheet by Sheet Air Kit Network connection for production data via XML
Power Supply	inc. 6 x DSC-10/60i and DKTS-200 220V - 240V 50/60Hz approx 45A 10kW

^{*1} Some media may be limited to W 356mm x L 508mm or W 230mm x L 610mm

^{*2} Some media may be limited to W 356mm x L 254mm or W 230mm x L 305mm

^{*3} Due to wide range of possibilities, review and test

DKTS-200 TRIMMER GENERAL SPECIFICATIONS

SPECIFICATIONS

Trimming Width	1mm to 30 mm
Processing Speeds	As per main system

Options	DBM-LSW2/ Belt Stacker DKT-K Kicker (Min. booklet: W 120mm x L 120 mm Max. booklet: W 350mm x L 250 mm) DKT-G Gutter Cutter 6mm DKT-G Gutter Cutter 8mm
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DSC-10/60i SUCTION TOWER COLLATOR GENERAL SPECIFICATIONS

SPECIFICATIONS

Feed Tray Capacity	65mm
Features	Block mode (1/2, 1/4, 1/3), Possibility to increase bin feeding capacity to 130mm, 195mm or more, Non-stop production, A4 Landscape

AMS* Feeding System	Ability to increase the flow 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
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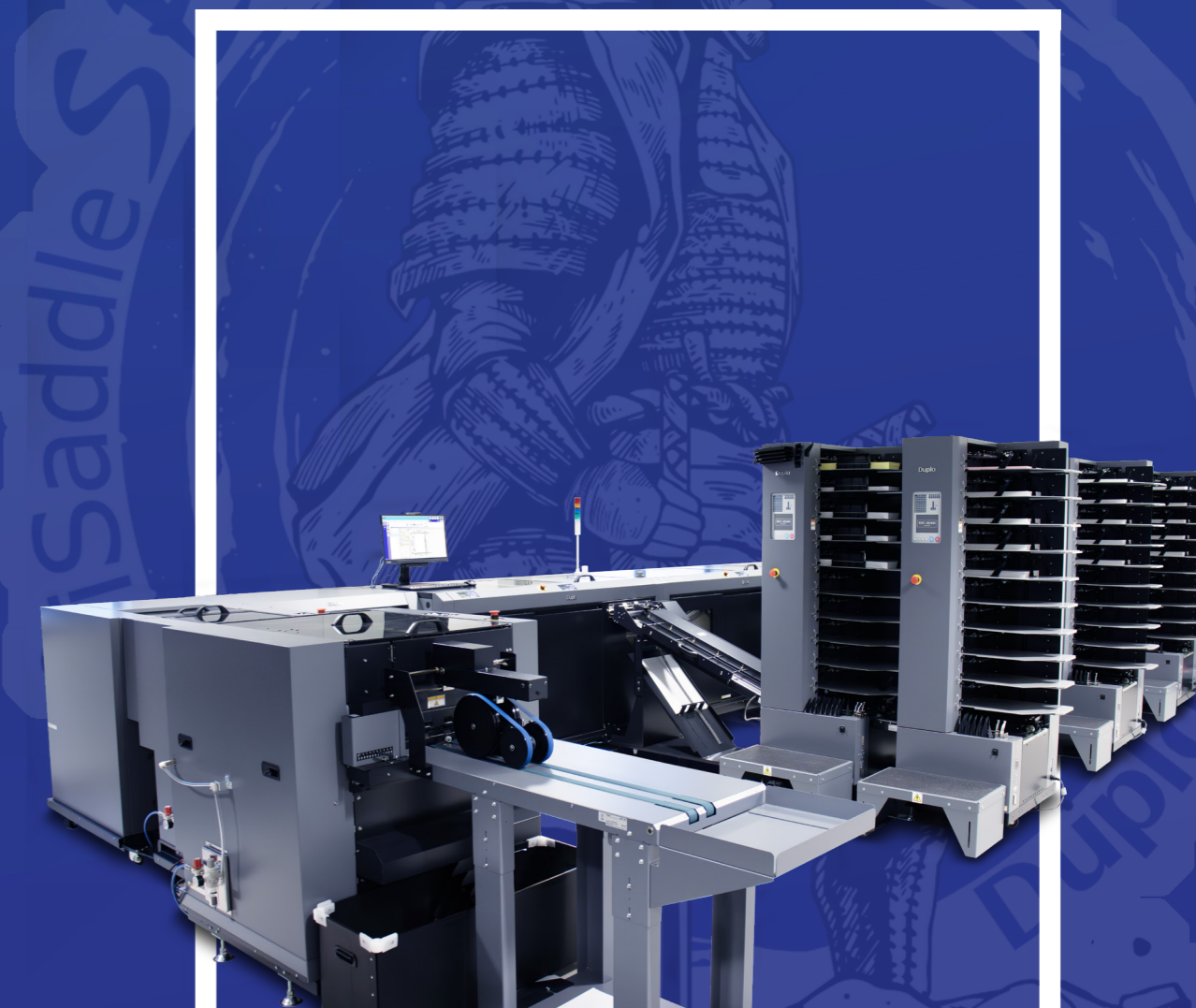
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Saddle Stitching System



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DISCOVER A WORLD OF POSSIBILITIES

