

**SPECIFICATIONS**

**700i Digital Booklet System**

<b>Paper Size</b>	<b>DSF-2200 Sheet Feeder</b>	
	Tray A (Top Tray)	Tray B (Bottom Tray)
Width	4.13" to 14.02"	4.13" to 14.02"
Length	7.87" to 20" <sup>6</sup>	7.87" to 20" <sup>6</sup>
Loading Capacity	2.56"	7.87"
<b>Paper Weight</b>	Fine Quality Paper	
	52.3 to 300 gsm	79 to 300 gsm (When paper length is less than 20")
Art Coated Paper	104.7 to 300 gsm (When paper length is greater than 20")	
<b>Curl</b>	5 mm or less	
<b>Saddle Stitch &amp; Fold</b>	<b>W x L</b>	
Minimum Paper Size	4.13" x 7.87" (2 stitches)	
	4.81" x 7.87" (2 stitches with head/foot trim) <sup>3</sup>	
	7.70" x 7.87" (4 stitches with head/foot trim) <sup>3</sup>	
	7.88" x 7.87" (4 stitches, head/foot trim with 8 mm gutter cut) <sup>3,4</sup>	
	8.53" x 7.87" (4 stitches without additional non-staple sensor kit) <sup>3,4,5</sup>	
	8.61" x 7.87" (4 stitches with additional non-staple sensor kit)	
Maximum Paper Size	14.02" x 20" <sup>6</sup>	
<b>Side Stitch</b>	<b>W x L</b>	
Minimum Paper Size	8.27" x 7.87"	
Maximum Paper Size	14.02" x 14.33"	
	<ul style="list-style-type: none"> <li>• When side or corner-stitching, 4-stitch and fore-edge trimming cannot be selected or performed.</li> <li>• Side and corner-stitched booklets can be folded and square spined. <sup>7</sup></li> </ul>	
<b>Number of Sheets</b>	Saddle Stitch & Fold	
	2 to 9 <sup>7</sup>	<ul style="list-style-type: none"> <li>• Square spine not recommended</li> <li>• Square Spine is optional</li> </ul>
	10 to 30	
	31 to 50 <sup>1,2</sup>	<ul style="list-style-type: none"> <li>• The following constraint and requirements apply</li> <li>• Square spine and 50-sheet kit required</li> <li>• Paper width: 7.87" to 12.60"</li> <li>• Paper length: 10.63" to 17.72"</li> <li>• Cover must be 300 gsm or less</li> <li>• No head/foot trim when performing square spine <sup>8,7</sup></li> </ul>
Fold Only (No Stitch)	2 to 5	
Side/Corner Stitch	5 to 20	
	2 to 50	<ul style="list-style-type: none"> <li>• A4 LEF, A4SR LEF, LTR LEF with fine quality paper 81.4 gsm</li> <li>• B5 LEF, A4 LEF, LTR SEF, LTR LEF</li> </ul>
	5 to 30	
<b>Number of Stitches</b>	2 or 4	<ul style="list-style-type: none"> <li>• Apply 4 stitches using only two stitch heads</li> <li>• Optional 4-stitch kit, apply 4 stitches using four stitch heads</li> </ul>
<b>Recommended Stitch Wire</b>	25 gauge, 0.55 mm, when stitching 2 - 30 sheets	
	24 gauge, 0.6 mm, required when stitching 31 - 50 sheets	
<b>Fore Edge Trim Amount</b>	0.04" to 0.98" (Up to 2.95" with optional 75 mm Trim Kit)	
<b>Fore Edge Trim Cutting Thickness</b>	Fine Quality Paper 0.24" or less	
	Art Coated Paper 0.393" or less	

<b>Finished Booklet Sizes</b>	Saddle Stitch, Fold & Fore Edge Trim	Minimum	4.13" x 2.95"
		Maximum	14.02" x 11.97" Minimum fore-edge trim
			14.02" x 11.02" Maximum fore-edge trim without 75 mm Kit
			14.02" x 9.06" Optional 75 mm Kit
Saddle Stitch Booklet With Fore Edge Trim & Head/Foot Trim <sup>3</sup>	Minimum	4.72" x 2.95"	
	Maximum	13.97" x 11.97" Minimum head/foot and fore-edge trim	
		13.97" x 11.02" Maximum head/foot and fore-edge trim without 75 mm Kit	
		11.65" x 9.06" Maximum head/foot & fore-edge trim with optional 75 mm Kit	
2-Up Saddle Stitch Booklets With One Stitch Per Booklet, Fore Edge Trimmed, Head/Foot Trimmed With 8 mm Gutter Cut <sup>3,4</sup>	Minimum	3.50" x 2.95" with or without 4 stitch kit	
	Maximum	6.81" x 4.96" Minimum head/foot and fore-edge trim	
		5.67" x 4.02" Maximum head/foot and fore-edge trim without 75 mm Kit	
		5.67" x 2.95" Maximum head/foot & fore-edge trim with optional 75 mm Kit	
2-Up Saddle Stitch Booklets, Two Stitches Per Booklet, Fore Edge Trimmed, Head/Foot Trimmed With 8mm Gutter Cut <sup>3,4</sup>	Minimum	3.65" x 2.95" With or without optional 4 stitch kit	
	Maximum	4.10" x 2.95" With optional 4 stitch kit & non-staple sensor kits	
		6.81" x 4.96" Minimum head/foot and fore-edge trim	
		5.67" x 4.02" Maximum head/foot and fore-edge trim without optional 75 mm Kit	
		5.67" x 2.95" Maximum head/foot & fore-edge trim with optional 75 mm Kit	
<b>Processing Speed</b>	Up to 3,200 sets per hour <sup>10</sup>		
<b>DKTS-200 Two Knife Trimmer (Option)</b>	Receivable Booklet Size	Width: 4.13" to 14.33"	Length: 2.95" to 12.59"
	Trim Amount	Head: 0.04" to 1.18"	Foot: 0.04" to 1.18"
	Offset Trim	0.04" - 0.83"	
	Trim Thickness	0.23" or less	
<b>8mm Gutter Cutter Option</b>	Receivable Booklet Size	Width: 7.88" to 14.33"	Length: 2.95" to 10"
	Trim Thickness	0.15" or less	
<b>DBM-HSC High Speed Creaser (Option)</b>	Paper Size	Width: 4.14" to 14.33"	Length: 6.70" to 25.19"
	Number of Creasers	1 crease per sheet	
	Crease Position	Center	
<b>DBM-HSC Slitter Module (Option)</b>	Number of Slits	2	
	Slit Amount	Head: 0.12" to 1" (3 mm to 25.4 mm)	

<b>Features</b>	<b>DSF-2200 Sheet Feeder</b>	<b>DBM-700/700T Bookletmaker &amp; Fore-Edge Trimmer</b>
Control Panel	PC Controller and LCD	
Detections	Miss feed, optical and ultrasonic double feed detection, jam detection, optional barcode readers	Paper jam, wire feed detection, non-staple detection
Other	Side air separation, air management system (AIS), optical mark reader (OMR), anti-static module	Automated functions: stitch head position, back jogger, side guide/joggers, stitch stop position, fold stop position, fold roller gap, trim stop position
Options	Extension tray kit, trail edge air kit, barcode kit, pre-load kit, hand feed	DBM-700S Square Spine, 4-stitch head kit for DBM-700 (2 additional stitch required, sold separately), 75 mm (2.95") trim kit for DBM-700T Trimmer, 50-sheet trim kit for DBM-700T Trimmer, air kit for DBM-700, non-staple sensor kit for DBM-700. Additional non-staple sensor kit when adding 4-stitch kit to DBM-700. Short stacker conveyor.

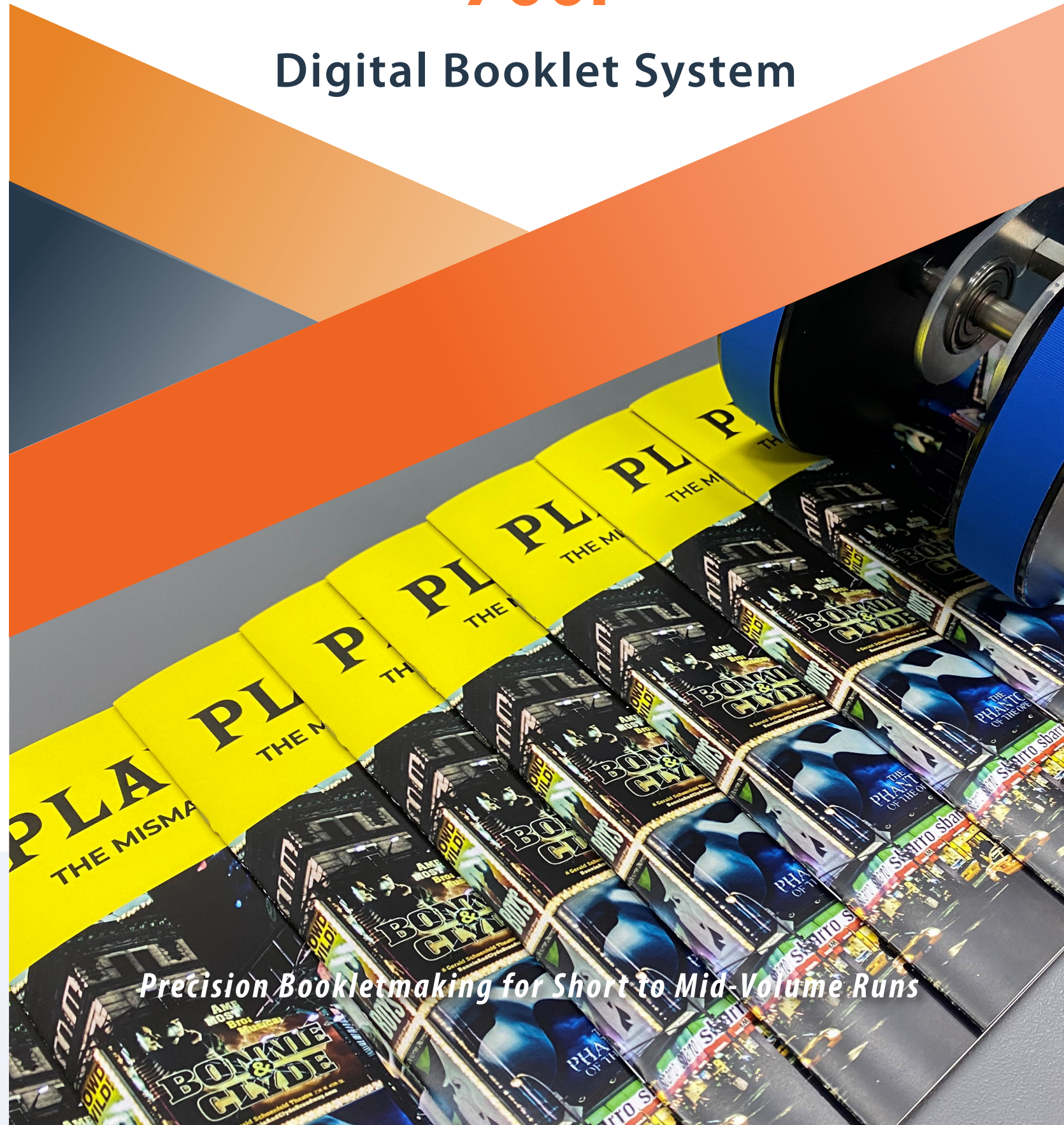
	Power Requirements	Dimensions (W x D X H)	Net Weight
DSF-2200 Sheet Feeder	120V 60Hz 2.2A 260W	36.22" x 30" X 33.2" (920 x 750 x 843.5 mm) without optional extension tray kit 42" x 30" X 33.2" (1066 x 750 x 843.5 mm) with optional extension tray kit	253.53 lb / 115 kg 280 lb / 127 kg
DBM-700 Bookletmaker	120V 60Hz 6A 565W	77.8" x 38.8" x 59.3" (1976 x 986 x 1507 mm)	806.9 lb / 366 kg
DBM-700S Square Spine	Supplied by the DBM-700	10.2" x 36.8" x 44.9" (259 x 934 x 1140 mm)	260 lb / 118 kg
DBM-700T Trimmer <sup>9</sup>	120V 60Hz 7.0A 620W	28.3" x 68.7" x 67.4" (719 x 1746 x 1712 mm)	531.3 lb / 241 kg
DBM-HSC High Speed Creaser	100-240V 50/60Hz 1.6 to 3.5A 285W	54.53" x 29.73" x 33.27" (1,385 x 755 x 845 mm)	535.7 lb / 243 kg
DKTS-200 Two Knife Trimmer <sup>9</sup>	200-240V 50/60Hz 3.3A 450W	93.9" x 53.9" x 63.7" (2385 x 1369 x 1618 mm)	1,309.6 lb / 594 kg
4710SQ Air Compressor (90 - 120 psi)	120V 60Hz 8.5A 750W	19" x 10" x 24" (483 x 254 x 610 mm)	44 lb / 20 kg

<sup>1</sup> Optional DBM-700S Square Spine required  
<sup>2</sup> Optional 50 Sheet Booklet Trim Kit required  
<sup>3</sup> Optional DKTS-200 Two Knife Trimmer is required. Head/Foot Trim  
<sup>4</sup> Optional 8 mm Gutter required  
<sup>5</sup> Optional 4 Stitch Kit and two additional stitch heads required  
<sup>6</sup> Up to 24.02" maximum paper length with DSF-2200 Optional Extension Tray Kit and Trail Edge Air Kit  
<sup>7</sup> Square spine quality and squareness are not guaranteed.  
<sup>8</sup> Square Spine booklets cannot be Head/Foot Trimmed. Square Spine booklets can only pass through the DKTS200 without being trimmed.  
<sup>9</sup> Air compressor required  
<sup>10</sup> Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice.

Duplo

700i

Digital Booklet System



Precision Bookletmaking for Short to Mid-Volume Runs

Duplo

The leading provider of innovative precision finishing, print embellishment, and specialty finishing solutions. Contact us today to request samples or to get in touch with a finishing specialist.

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# 700i Digital Booklet System

The 700i Digital Booklet System integrates the DSF-2200 Sheet Feeder with the DBM-700 Bookletmaker, providing a more affordable option for digital print jobs. It offers full-bleed trimming and square spine options with the capability to produce 50-sheet booklets.

Ideal for medium to longer runs, the 700i delivers up to 3,272 booklets per hour.

## AUTOMATED SETTINGS AND CHANGEOVERS

Improve overall efficiency with fully automated settings that are managed entirely from a PC station. Utilizing the PC Controller software, you can set up jobs in under 60 seconds. Simply select or enter a custom paper size and the PC Controller will automatically set the stitch, fold, and trim setting. Any fine-tune adjustments can be made with ease.

Use the computer's memory to save an unlimited number of jobs and retrieve them as needed. Changeovers from one size to another are performed within seconds and without any intervention or tooling required.

The 700i also comes included with a 1-year subscription of Duplo+ Insight, a cloud-based system that captures real-time data from the bookletmaking system. The dashboard provides a quick overview of the status and performance while analytical graphs and reports provide insight for better decision making.

## NEAR-LINE SHEET FEEDING

Process output from your digital presses with great efficiency. The DSF-2200 Sheet Feeder provides an upper and lower bin with air suction feed technology and front/side air separation for reliable performance. Both bins can be used to feed the cover and inner sheets or to feed covers separately. Various paper types and weights can be fed up to 14" x 20" – or up to 9.05" x 24" with the optional Extension Tray Kit.

The DSF-2200 comes equipped with an anti-static device and an ultrasonic sensor to detect any misfeeds or double feeds. It also comes with an End Mark Reader to process documents with variable sheet counts. Optional barcode reader kits can be added to read 1D and 2D barcodes to identify each set and verify that each set is fed in the proper sequence.

## PERFORMANCE BOOKLETMAKING

Maximizing efficiency in bookletmaking saves your business both time and money. The DBM-700/T integrates the stitcher, folder, and face trimmer into one automated system – eliminating the task of setting and folding signatures separately.

As each set is fed, the system guides it through the stitching and folding sections. Equipped with 2 Hohner stitch heads, the DBM-700 can apply 2 or 4 stitches. The automated stitch function enables the stitch heads to cycle twice per booklet and automatically change the position of the stitch heads after each cycle. Easily switch from 2-stitch booklets to 4-stitch jobs without any retooling.

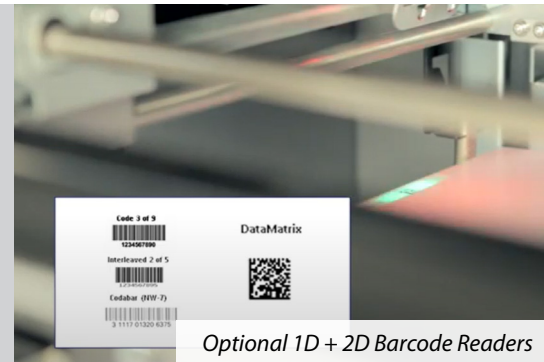
The 4-stitch kit option is available when productivity is priority. The bookletmaker automatically positions the stitch then adjusts the fold roller gap and trimmer transport belts according to the thickness of the booklet. Booklets are trimmed at the fore-edge for a clean finish.



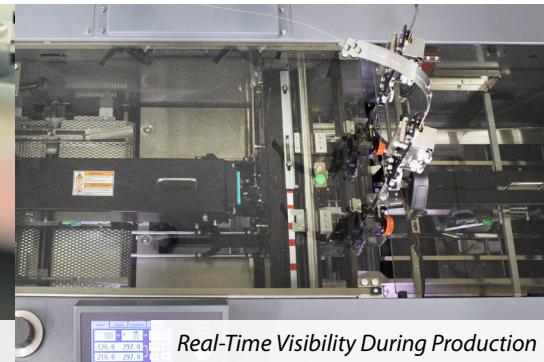
DSF-2200 Sheet Feeder



700i Digital Booklet System



Optional 1D + 2D Barcode Readers



Real-Time Visibility During Production



2-Up Finishing

## APPLICATIONS



Letter Booklets



50-Sheet Booklets



Booklets with Raised UV Covers



Small Booklets

## FULL-BLEED TRIMMING OPTIONS

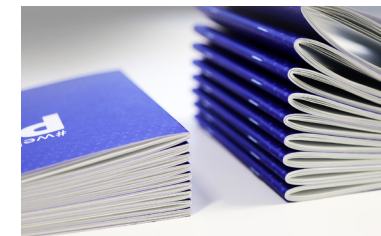
The DKTS-200 Two Knife Trimmer provides head and foot trimming for full-bleed finished booklets. An optional gutter cutter can be added for 2-up finishing capabilities. The gutter cutter along with the 4-stitch capability double the productivity of small format jobs up to 9,600 booklets per hour.

The DBM-HSC High Speed Creaser offers an optional slitting module to deliver full-bleed finished booklets. Creasing the cover and innermost sheets prior to folding prevents toner cracking. The slitter trims the head and foot to eliminate the task of pre-cutting the sheets on a guillotine.

\*Configuration with the DBM-HSC will be available Q1 2024.

## SQUARE BACK OPTION

The DBM-700S adds a square spine finish to deliver thicker, flatter books. Square spine booklets lay flat and make packing more efficient, saving you money. Enhance the appearance and produce value-added booklets up to 50 sheets/200-page booklets with a perfect bound look in-line with the DBM-700S Square Spine, the fastest in the market.



## FEATURES

- Sheet feeding and bookletmaking for high productions
- Performs saddle and side/corner stitching
- Produces saddle-stitched booklets up to 30 sheets with or without square spine and up to 50 sheets with square spine
- Creates 4-stitch booklets using 2 stitch heads
- Duplo+ Insight with 1-year subscription included