

Duplo

from print to documents

DBMi

Saddle System



Precision On Demand

PRECISION.



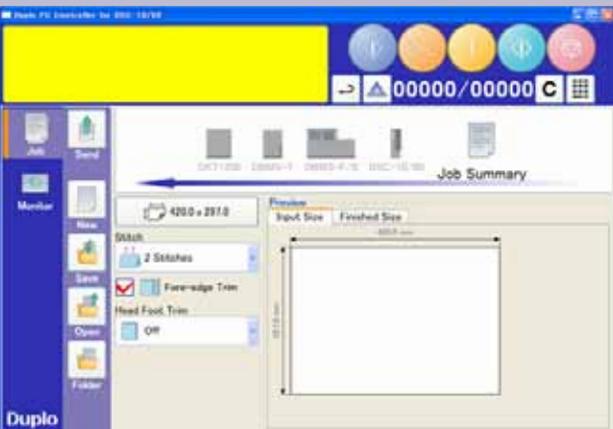
The **scoring and folding** of the set prior to stitching on the DBM-S produces superior book flatness.



The **saddle** accurately positions and smoothly transfers the set through the DBM-S to maximize book quality.



The **stitcher heads** automatically move into position when the job is programmed into the PC controller. Optional 3-stitcher head and 4-stitcher head kits are also available.



The user-friendly **PC Controller** makes setup quick and easy.



The **DSC-10/60i patented dual fan feed system** provides quiet and reliable feeding.



The **DSC-10/60i lift unit** removes incomplete sets on-the-fly without production disruption.

DBMi Saddle System ~ Precision On Demand

Duplo introduces the DBMi Saddle System, a heavy-duty, high volume collating and saddlestitch bookletmaking system able to handle both long-run offset jobs and shorter run digital jobs with equal ease and efficiency. The rugged DBMi configures a DBM-S Saddlestitch Bookletmaker with up to six DSC-10/60i Collators. The entire system is precisely operated at one station with the use of a Windows-based PC Controller. With automatic setup features, even the shortest runs can be efficiently processed to maximize profits.

The DBMi is innovatively designed for today's offset and digital markets. The DSC-10/60i Collator has an optional bin extension kit that allows it to feed up to a 14" x 24" sheet to handle the larger paper sizes now possible from digital printers. The DSC-10/60i also has an optional intelligent feed function (IMBF) for custom feed applications. Non-collated output from an offset printer and collated output from a digital printer can be loaded and combined into a single booklet.

The DBM-S Saddlestitcher can rapidly transition from CD size, to letter landscape and up to a 14" x 12" book without any manual adjustments needed. Capable of producing up to 4,500 books per hour, longer run jobs are quickly done on the DBM-S. An optional DKT-200 Two-Knife Trimmer and gutter cutter can be added for full-bleed in-line books and 2-up applications, further increasing output to an impressive 9,000 books per hour. Optional three or four-stitcher head kits are also available as needed.

Further extending its wide range of innovative finishing solutions, the DBMi Saddle System is modular in design and the next level up in heavy-duty, high volume quality bookletmaking offered by Duplo.

Duplo

DBMi features & benefits

FEATURES

BENEFITS

Fully Automated

Job set up is fast and easy, requiring only a few short minutes to power up the system and start running.

Landscape Booklets

The DBMi handles up to 14" x 24" sheet sizes, giving it the ability to do 8.5" x 11" and A4 landscape booklets.

Productive

The DBM-S produces up to 4,500 sets per hour. Productivity is further enhanced by the automatic setup features. The system can switch from a CD size booklet to letter landscape or a 14" x 12" book without any manual adjustments required.

Thicker, Flatter Books

The DBM-S can produce a 30-sheet, 120-page book with superior flatness due to the saddle stitch technology. The sets are scored prior to folding, resulting in a flatter book.

Superior Feeding

The DSC-10/60i patented dual fan feed system offers unmatched reliability and superior feeding.

PC Controller

The PC controller is extremely user-friendly and designed to minimize training and setup time. Its intuitive software uses icons and drawings to simplify operation.

Job Memory

The Windows-based controller allows a virtually unlimited quantity of job memories, limited only by the hard disk size. The job memory feature will drastically reduce setup time.

Customization

The DBMi modular design can be configured to meet the needs of the end-user. The optional DKT-200 Two-Knife Trimmer and gutter cutter can be added for full-bleed and 2-up booklets.

Intelligence

The DSC-10/60i optional intelligent feed function allows seamless mixing of offset and digital output.

3 and 4-stitcher Head Options

The DBM-S has a 3-stitcher head as well as a 4-stitcher head configuration option.

DBMi specifications

DBM-S Saddle Stitcher & Trimmer

Type	Automatic saddle stitcher and trimmer	
Sheet Size	4.72" x 8.27" - 14.01" x 24.01"	
Finished Size No Trimming	4.72" x 4.13" - 14.01" x 12.01"	
Finished Size After Trimming	4.72" x 2.95" - 14.01" x 11.97"	
Speed	Up to 4,500 sets per hour*	
Paper Capacity (Stitch/Fold)	Up to 30 sheets**	
Paper Types	Bond, coated	
Face Trim	0.04" - 1" (1 - 25 mm)	
Number of Stitcher Heads	2 standard, 3 or 4 optional	
Controller	PC-based, MS Windows Operating Systems	
Programmable Memory Settings	Determined by hard drive capacity	
Power	220 - 240V 50/60Hz, 3 outlets, 5.5A	
Dimensions (LxWxH) & Weight	Dimensions	Weight
Turn/Fold Section	64" x 36" x 30"	691 lbs.
Stitch Section	73" x 36" x 45"	940 lbs.
Face Trim Section	28" x 28" x 45"	605 lbs.

DSC-10/60i Suction Collator

Number of Bins	10, 20, 30, 40, 50, 60
Paper Size	4.13" x 5.82" - 14" x 19.69" (14" x 24.01" with optional 610 mm kit)
Paper Weight	52 - 300 gsm
Bin Capacity	2.6"
Detections	Double-feed, misfeed, paper jam, paper transport jam, bin empty
Speed	Bookletmaking: Up to 5,000 sets per hour* Collating: Up to 10,000 sets per hour*
Feed System	Patented dual fan feed system for each bin
Controller	PC-based, MS Windows Operating Systems
Power	120V 60Hz 8.4A
Dimensions (LxWxH)	30" x 34" x 77"
Weight	568 lbs.

DKT-200 2-Knife Trimmer (Optional)

Booklet Size	4.72" x 2.95" - 14.02" x 10" 7.87" x 2.95" - 14.02" x 10" when gutter cutter option used
Finished Size	4.72" x 2.95" - 13.9" x 10" 3.54" x 2.95" - 6.85" x 10" when gutter cutter option used
Trimming Width	0.04" - 1.18" Gutter: 0.24"
Trimming Method	2 upper blades, 2 lower blades
Trimming Thickness	Within 5 mm (no gutter): fine 81.4 gsm/22 lb. 50 sheets Within 2.4 mm (gutter): fine 81.4 gsm/22 lb. 24 sheets
Speed	Up to 9,000 sets/hour with gutter cutter Up to 4,500 sets/hour (fine 81.4 gsm/22 lb. within 20 sheets A5 finished) Up to 3,900 sets/hour (fine 81.4 gsm/22 lb. within 20 sheets A4 finished)
Power	220 - 240V 60Hz 4.1A 640W
Dimensions (LxWxH)	37" x 32" x 46" 91" x 32" x 47" (with stacker)
Weight	1,040 lbs.

* Dependent upon connected devices and number of bins in use

** Dependent upon paper weight and size

As part of our continuous product improvement program, specifications and descriptions are subject to change without notice.

Duplo

3050 S. Daimler Street
Santa Ana, CA 92705
(800) 255-1933
www.duplousa.com

All rights reserved.

No part of this document may be reproduced without permission of Duplo USA Corporation.

With over 60 years experience in manufacturing print and finishing equipment, at Duplo we understand the critical requirements of the modern printer. In an extremely competitive industry where the customer will accept nothing less than a quick turnaround time and good quality finished print, why should you accept anything but the best from your suppliers?

