Technical Specifications

Technical Specifications DC10/60Pro

Dimensions (D × W × H):	750mm x 630mm x 1972mm
Weight:	290 Kg
Power Supply:	220/240V 50/60Hz 4.5A
Min Paper size:	120mm(W) x 148mm (L)*
Max paper size:	356mm(W) x 508mm(L)**
Min paper weight:	52gsm
Max paper weight:	300 gsm
Feeding device:	Suction feeding from the top of the stack AMS (Air Management System)
Connecting devices	Alpha Saddle - DBM 500 - DBM 350 - DBM 120 - DSF 2000 - DC10/60Pro - DCR-ST - DBM400STR/L - DC12JR

Max speed:	9,000 sets/hr A4 LEF direction
No of stations per tower:	10
Bin capacity:	65 mm
Maximum no of connectable towers	6
Counters:	Total/Batch/Rejected set
Touch Screen functions:	Cover insert - Block mode 1/2,1/3, 1/4 - Alternate cover feed - Manual feed - Screen saver - Counter back up - Paper overlap - Bi- directional feeding - Reject function

* 105mm x 297mm when fitted with the 105mm kit supplied
** 610mm length is possible when connected to the Alpha Saddle

Technical Specifications DBM-500Pro

Dimensions (L × W × H):	1610mm x 700mm x 1005mm
Weight:	412 Kg
Power Supply:	230 V, 50 Hz, 3,8 A
Min paper size:	120mm x 170 mm**
Max paper size:	356mm(W) x 508mm(L)
Max speed:	Up to 5,000 A5 books/hr ***

Corner/Side Stitching capacity:	30 sheets x 80gsm
Programmes:	12 memory programs
Stitch positions:	Saddle, Corner, Side, Fold only, Corner and Fold.
Hohner stitching heads:	1- 4 (2 standard) Hohner heads
Counters:	Total

** 105mm(W) x 297mm (L) when fitted with the 105mm kit supplied as standard with the system.
*** Dependant upon paperweights and sizes

Other Features
LCD touch screen • Accepts sheet-by- sheet, and set- by- set jobs • Straight and flat book path • Easy paper jam clearance • Built in side and corner stitching tray • Automatic fold roller gap setting • External fold skew setting

Connecting devices	DC10/60Pro suction tower - DC10/60 BG suction tower DSF2000 Digital sheet feeder - DSF5000 Digital sheet feeder - DBM500TPro - DCR-ST Stacker

Optional attachments	Calendar Kit, 2 additional Hohner heads. Hohner Loop stitching heads. Hand feed unit.

Technical Specifications DBM-500TPro

Dimensions (L × W × H):	584 × 700 × 1094 mm
Weight:	241 Kg
Power supply:	230 V, 50 Hz, 3.3 A
Min Untrimmed book size:	85mm (Spine to Foredge) x 120mm (Head to Foot)
Max untrimmed book size:	254mm (Spine to Foredge) x 356mm (Head to Foot)
Counters:	Total

Min trimmed book size:	75mm (Spine- Foredge) x 120mm (Head to Foot)
Max Trimmed book size:	253mm (Spine to Foredge) x 356mm (Head to Foot)
Trim Margin:	1- 25mm
Max Speed:	Up to 5,000 A5 books/hr
Trimming Mechanism:	Upper and Lower knives with shearing action

Other Features
Automatic gap setting of delivery belts • Easy trim skew adjustment • Waste bin full sensor • Trimmer on/off bypass • Safetyguard interlock sensors.

Connecting devices:	DKT-200 Trimmer ASM 500 Squareback
Options:	Kicker unit.

Technical Specifications DBM400STR/L Stacker

Dimensions (L × W × H):	880 × 750 × 890 mm
Weight:	148 Kg
Set up:	Automatic set up from control panel
Min sheet size:	140 × 210 mm

Speed:	Up to 9,000 sets/hr*
Max sheet size:	350 × 500 mm
Stack capacity:	430 mm

* Dependant upon connected devices and number of bins in use

Other Features
Automatic setting of all guide positions • 12 memory job programs • Straight/offset stacking • Jam sensors • Stack full sensor • Supplied with 2 stacking trolleys.

Technical Specifications

Technical Specifications DKT-200

Dimensions DKT-200 (W x D x H):	932mm x 800mm x 1196mm
Dimensions DKT-LS(W x D x H):	1,370mm x 385mm x 830mm
Weight DKT-200:	472Kg
Weight DKT-LS:	35Kg
Power:	220/240V 50 Hz 4.1 Amps
Noise Emissions:	76.4dB
Power consumption:	640W
Maximum Trim:	30mm
Minimum Trim:	1mm
Maximum book thickness:	5mm (48 sheets x 80gsm + 300gsm cover)
Maximum book thickness with 6mm gutter cut:	2.4mm (22 sheets x 80 gsm) + 300gsm cover
Max Finished Book Size 1 Up:	354mm x 253mm (Spine to Foredge)
Min Finished Book size 1 Up:	75mm x 120mm (Spine to Foredge)
Max Finished book size 2 Up:	174mm x 253mm(Spine to Foredge)
Min Finished book size 2 Up:	120mm x 75mm (Spine to Foredge)

Min Finished book size 2 Up:	90mm x 75mm (Spine to Foredge) **
Speed:	Up to 4,500 A5 books/hr 40 page book x 80 gsm (10 flat sheets) * Up to 3,900 A4 books/hr 40 page book x 80 gsm (10 flat sheets) Up to 9,000 books/hr with 6mm gutter cut knives *
Programs:	12 from DBM500 touch screen
Trimming knives 2:	Fully automatic set up from DBM500 Touch screen
Counter	Total
Waste:	External collection box
Connectivity:	DC10/60Pro - DC10/60 BG - DBM500TPro - DBM500Pro - DBM400 STR/L - Stacker - DCR-ST Stacker - DSF5000.
Options:	Gutter cut knife 6mm(fixed) 6.4mm Diameter 2 hole punch 6.4mm Diameter 3 Hole punch Kicker /Batching unit.

* Depending upon Book thickness , Sheet size and Paper conditions
** 1 stitch only in the middle of each book

Technical specifications DCR-ST and DCR-BP bridge unit

Dimensions Wx D x H :	DCR-ST 710mm x 680mm x 630mm DCR-BP 690mm x 530mm x 800mm
Weight:	DCR-ST 44Kg DCR-BP 14Kg
Power supply:	220-240V 50/60Hz
Paper Size:	Max 450mm (L) x 320mm (W) Min 148mm (L) x 210mm (W)

Speed:	Up to 4,000 A4 sets/hr (10) sheets Tray S Up to 3,000 A3 sets/hr (10) sheets Tray L
Max Stacking height:	200mm Tray S 100mm Tray L

Other Features
Stack full sensor • Straight/offset stacking • Supplied with 2 sizes of receiving trays • Connects to DC10/60Pro or In-line with System 5000Pro.

Duplo International Limited
Sandown Industrial Park,
Mill Road,
Esher,
Surrey KT10 8BL

Tel +44(0) 1372-468-131 - Fax +44(0) 1372-460-252
info@duplointernational.com - www.duplointernational.com

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Production rates are based on optimal operating conditions and may vary depending upon stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice.

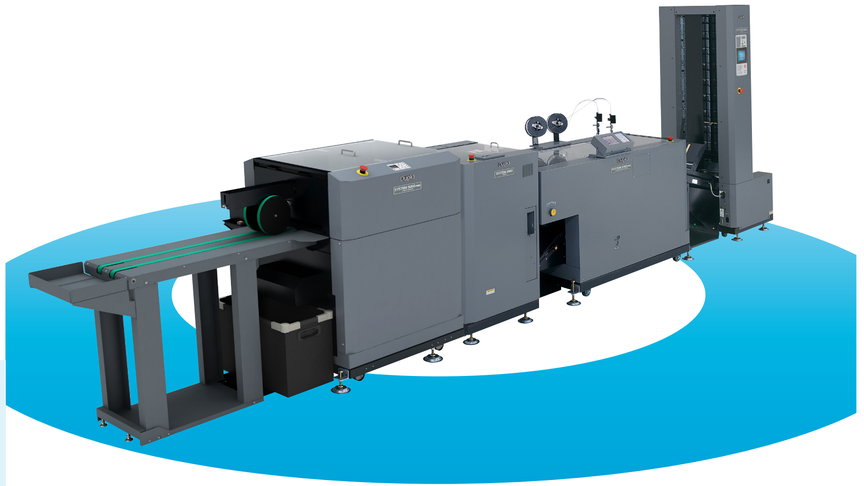
Ref: I-SYSTEM5000/v1

Duplo®
from print to documents

SYSTEM 5000PRO

FULLY AUTOMATIC AND PRECISE PROFESSIONAL BOOKLETMAKING SYSTEM FOR OFFSET AND DIGITAL BOOK PRODUCTION.

***Fully automated system**
***5,000 books /hour**
***Accurate and precise feeding system**
***From B3 or SRA3 to finished books in 1 operation**



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The fully automatic system 5000Pro offers precision and versatility over a wide range of book sizes. The heavy duty and highly productive system can deliver up to 9,000 booklets and 10,000 collated sets an hour. For both the Offset and Digital printer the feature packed System 5000Pro will turn any novice into a finishing expert

Superior feeding system with the DC10/60Pro

The high speed and accurate feeding of the DC10/60Pro suction collating towers, delivers superior performance and high productivity. Up to 60 bins can be connected.

The AMS feeding system ensures that paper stocks from 356mm(W) x 508mm(L) and weights up to 300gsm can be fed with ease.

High productivity is maintained at all times with faulty sets automatically diverted without stopping production. Faulty sets once corrected can be simply fed back into the DBM500Pro.

A built hand marry unit allows for pre-collated sets to be merged automatically with sets from the DC10/60Pro.

A fast and accurate double sheet and miss detection system, and a user friendly colour touch screen allows for each job to be set up within seconds.

The Duetto System

The Duetto bookletmaking and collating solution incorporates up to three DC10/60Pro collating towers, a DSF-2000 Dynamic sheet feeder, DBM-500Pro booketmaker, DBM-500TPro trimmer and the DKT-200 Trimmer.

The Duetto system is the first of its kind to address both digital and offset printing requirements. The ability of the DBM-500Pro to handle set by set and sheet by sheet output with equal ease makes the system ideal for printers making the transition from offset to digital, allowing the incorporation of colour content and variable data into their finishing solutions.

Printers once had to purchase two separate finishing lines for either offset or digital. The Duetto is the first system to offer a combined offset and digital finishing solution.

Truly Automatic finishing

The System 5000Pro booklet maker incorporates a fully automatic changeover from one job to the next within 60 seconds,making it the worlds easiest to use stitcher/folder/trimmer.

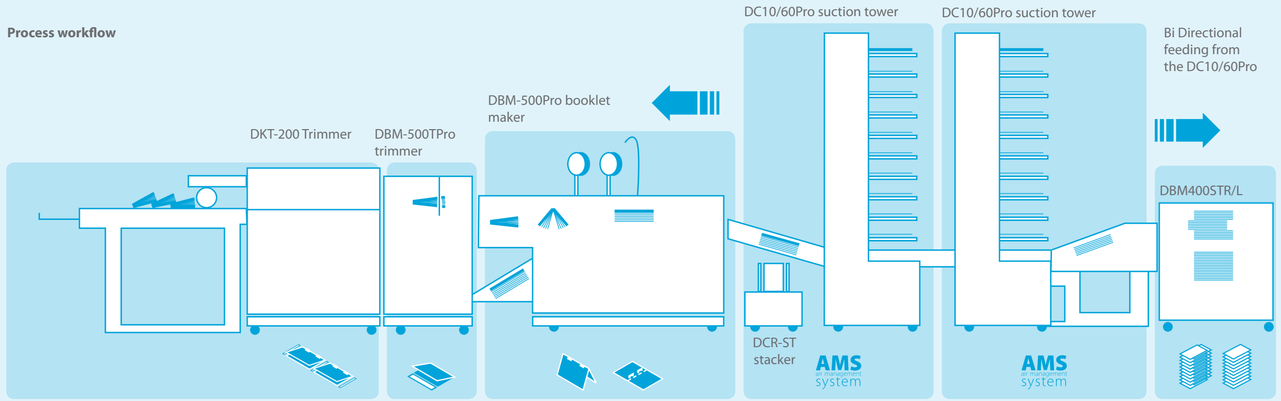
A Tooless Operation allows you to go from a 356mm(W) x 508mm(L) sheet size to a CD size book, without any additional parts or manual intervention. Even producing books as small as a 105 mm width only takes a few minutes to set up.

A user friendly touch screen panel provides complete control over all book parameters. Up to 4 Hohner stitching heads, side guides, back stops and front joggers, and even the fold roller gap and trimmer belt heights, and trim positions all move totally automatically within 60 seconds.

Easy changeover is achieved by diverting corner or side stitched jobs to a separate built in catch- tray. When completed the back stop assembly automatically lowers to allow for the production of saddle stitched books through the trimmer onto the long delivery stacker.

Up to 12 memories are provided for frequently used jobs, these can be simply recalled for effortless changeover.

Process workflow



3 knife trimming DKT-200 "Delivering the finished product"

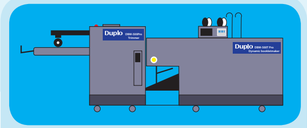
The DKT-200 provides a scaleable and modular solution to the requirements of three knife trimming for saddle stitched and folded books. The 2 knife operation ensures high quality and accuracy is achieved. Larger sheets such as B3 or SRA3 can be loaded into the DC10/60Pro towers and collated, stitched, folded, 3 knife trimmed and holed punched in one complete operation. The modular approach of the trimmer ensures that all existing 5000 system users can simply add the DKT-200 to suit their individual requirements and budgets when required.

Setting up the knife positions is performed by a fully automatic process. The operator simply enters the job parameters into the DBM-500Pro touch screen, leaving the DKT-200 to set up the finished book size within 60 secs. All jobs are stored in one of the available 12 memory positions, and simply accessed for future use. Production output is further increased with the optional gutter cut knives with two up books increasing productivity up 9,000 books per hour (depending upon book sizes and thickness). A heavy duty and robust trimming mechanism, provides for precision and accuracy.

To maintain production speeds finished books are delivered onto the ergonomically designed long conveyor with all paper waste easily and safely removed into an external hopper. The DKT-200 has been designed to connect to existing DBM 500 bookletmakers and DBM 500T trimmers as well as the DSF2000 and DSF5000 range of digital sheet feeders. A range of options including 2 and 3 hole punching tools are also made available to increase job flexibility and production output.

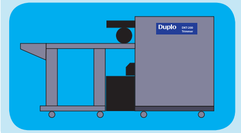
A Modular Approach

Duplo has designed print finishing systems with modular components, which communicate with one another. Changes between jobs, even between sheet-by-sheet and set-by-set input, is at the touch of a button. The modular system means printers can invest in equipment to meet current demands, and scale up the system as those demands change. Our newest module the DKT-200 provides an independent approach to trimming both the top and bottom of the book as well as removing the gutter or middle of the book for 2 up applications. This removes the need to pre-guillotine printed pages before collating, saving both time and money.

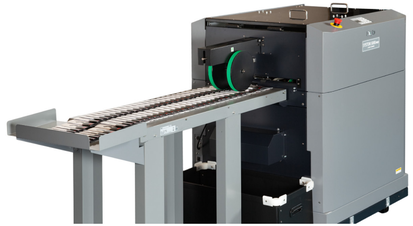

DBM500Pro / DBM500TPro

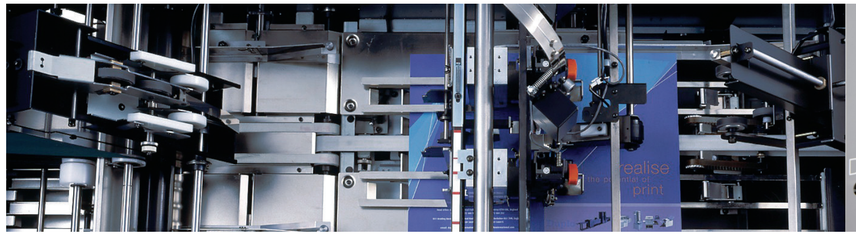
DC10/60Pro

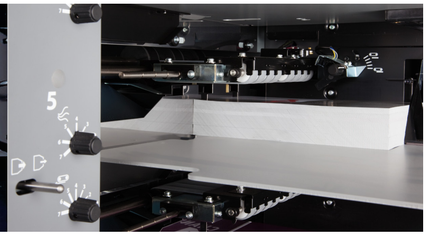
DSF 2000

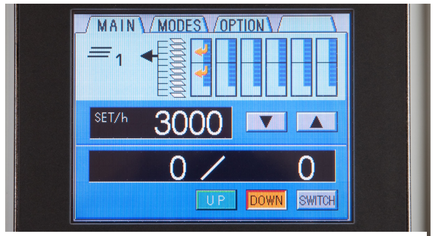

DKT-200

DCR-ST Straight and offset stacker


DKT-200 Trimmer


Fully Automatic set up of all book parameters


Accurate and reliable A.M.S. suction feed system



Easy to use colour touch screen