

# DOCON SA

Spring  
2011

# Finishing Equipment

## The complete Finishing solution

The exponential growth of the Print-on-Demand market through the introduction of Digital Presses has highlighted the need for big and small print operations to have an in-house finishing capability.

Printing a job "on demand" means nothing if the printer is not able to bind and finish the product quickly and professionally as well.

Prohibitive costs have in the past prevented the smaller operator from acquiring finishing equipment.

**DOCON SA** now offers the complete line of equipment needed to fully equip your finishing section for the price that one of these items would traditionally have cost!

Contact an agent near you to arrange for a demonstration that will change your print operation for ever!

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Ivyline Technologies  
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TECHNOLOGIES



Ivyline Technologies -  
sole distributor of

**DOCON SA**  
in Southern Africa



# Book

## Binding Equipment

**DOCON SA** for your digital press

### Model SA-450VS & 450VS+

Max cutting width: 450mm  
 Max cutting thickness: 40mm  
 Cutting accuracy:  $\pm 0.5$ mm  
 Paper press: automatic  
 Back stop: Manual / programmed  
 Power supply: AC 220V/550W  
 Worm wheel transmission

### Model SA-330

Desk top cutter  
 Max cutting width: 330mm  
 Max cutting thickness: 30mm  
 Cutting accuracy:  $\pm 0.5$ mm  
 Paper press: automatic  
 Back stop: Manual  
 Power supply: AC 220V/550W  
 Worm wheel transmission



### Paper Cutter

#### Model SA-450 VS & 450VS+

Model SA-450VS+ cuts paper using digitally controlled backstop Model SA-450VS has a manually adjustable back stop. An optical line indicates cutting position.

Cutting blades are manufactured from high speed steel to ensure long life, crisp and accurate cuts. Blade changes are done quickly with the minimum of machine down time.

Dual cutting switches ensure operator safety while the automatic paper press facilitates better productivity. A safety lock and protective mantle (front and back) further enhances the machine's safety features.

#### Model SA-330 (Desk top)

This model is dedicated to the production of Photo Books and is suited for lighter cutting environments. The SA 330 boasts the same safety features as the bigger models and has a manually adjustable back stop.





# Book

## Binding Equipment

**DOCON SA** for your digital press

**Binds Photo Books and  
normal soft cover  
perfect binds from  
business card size up to  
A3 and 50mm thick  
without adjustment!**

**Model :SA-460 (for A3 books)**  
**Max book size: 320×430 mm**  
**Binding thickness: 2 pages up to 50mm**  
**Max book cover thickness: 50 - 400g**  
**Glue heating time: +/- 10 min**  
**Net weight: 48 kg**



## Hot Glue Binding Machine

The **SA-30A** and **SA-460** are manually operated hot glue binding machines with an electrically driven milling cutter for milling grooves into the book spine for improved binding firmness. The glue pot is temperature controlled and can be adjusted for different types of glue under various temperature conditions allowing for seasonal changes - thus greatly improving the bind under all possible conditions.

Equipped with the unique heated hardcover groove-pressing plank, the machine can produce hardcover books as well as normal soft cover perfect binds. The hot groove pressing device can press grooves as effectively as a groove pressing machine and thus eliminates the need for such additional equipment.

The sector optimized adhesive-brushing system is designed for even glue application. "Side-adhesive beads" are formed to ensure that all pages bind properly.

Double heaters heat the adhesive quickly and evenly thus avoiding the aging and carbonizing of the glue. An adhesive filtering device avoids blockage of the adhesive pot by impurities.

The clamping device is made from a special material for improved clamping. It is suitable for binding sizes from Business card size up to A4 without any adjustment.



# Book

## Binding Equipment

**DOCON SA** for your digital press



**Makes hard covers  
for those prestigious  
coffee table books,  
wedding albums  
and photo books**

### Model SA-100K

Operating platform size: A3 Book

Cardboard thickness: 0.5-6mm

Finished cover size: 420 x 297mm

Power supply: 220V/3A

Weight: 26kg

Dimensions: 1110×700×230mm

### Hard Cover Making Machine

The machine makes use of the principle of light reflection and refraction to ensure the accurate positioning of the cover and spine.

Low pressure vents on the table surface ensure that the printed cover sheet is precisely held in position while the cover is made. This suction also ensures that no bubbles form while adhering the Chipboard to the printed cover sheet.

The cover, chipboard and central spine board can be adjusted and positioned accurately and the setting can be adjusted to accommodate a board thickness from 0.5mm - 6 mm.



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# Book

## Binding Equipment

**DOCON SA** for your digital press

**Ideal for creasing  
Presentation Files,  
Invitation Cards,  
Name Cards  
and  
Book Covers**

### Model SA-16B

**Creasing Length:** 526mm  
**Dimensions:** 593 × 553 × 122mm  
**Weight kg:** 15.5Kg  
**Max paper weight:** 450g



### Creasing Machine

#### Models SA-12B & SA-16B

The upper and lower creasing moulds are manufactured from high quality steel which translates to fewer mould changes than machines with the traditional plastic moulds. Steel moulds further ensure sharper and more distinct creases.

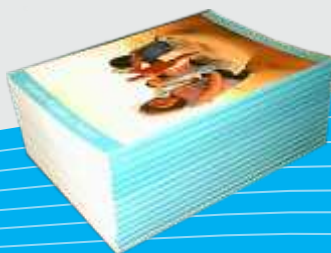
The machine not only creases coated art paper up to 350gsm, but can crease crisp lines in 80gsm photocopy paper as well.

The SA-12 and SA-16 are ideal for creasing indents for files, name cards, photos, invitations, etc.

The moulds are interchangeable to allow for creasing indents of different widths.

### Model SA-12B

**Creasing Length:** 360mm  
**Dimensions:** 593 × 383 × 122mm  
**Weight kg:** 8.8Kg  
**Max paper weight:** 450g





The SA-50G is a semi-automated perfect binding machine developed for a production speed of up to 300 units per hour and aimed at the medium to bigger production environments.

**Features:**

With ease of operation in mind, all controls are situated on a central console with LCD display. After the insertion of loose pages and cover, the binding process is initiated by a single button with no additional operator input required. The clamping and cover scoring pressures are adjustable to ensure a perfect spine every time.

High duty components such as the solar and slotting cutter are manufactured using only the finest quality steels.

**Technical Parameters:**

1. Max binding length: 420mm
2. Max binding thickness: 40mm
3. Binding speed: up to 300 books/hour
4. Milling cutter + solar cutter
5. Glue melting time: <25min
6. Weight: 170kg
7. Dimensions: 1350x500x900mm





# Book

## Binding Equipment

**DOCON SA** for your digital press

**The versatile,  
robust and  
dependable  
laminating solution**

### Model SA-650

Max laminating width: 615mm  
Laminating speed: 1-5m/min  
Laminating temp.: 70 ~ 130  
Dimensions: 940×890×1130mm  
Weight: 95Kg

### Model SA-380

Max laminating width: 365mm  
Laminating speed: 1-5m/min  
Laminating temp.: 70 ~ 130  
Dimensions: 520×610×480mm  
Weight: 39Kg

## SA-Series Laminators

Aimed at the medium production environment, the **SA-series** laminators are ideally suited for litho- and digital print shops, the packaging industry and even offices. These machines offer the perfect solution for creating that personalised high gloss hard cover for the photo book market.

The **SA-series** of laminators are capable of both hot and cold lamination.

### Main features and functions:

Operating temperature is achieved very quickly due to the durable chromium plated steel heat roller which also assists in the even distribution of heat. The heat roller can be engaged/disengaged manually. All **SA-series** laminators are equipped with a direct current neutral speed switch. The design adopts a proportional temperature controlling device for very accurate temperature control.

The **SA-series** all have a reverse function and rolling pressure is easily adjustable.

The **SA-series** of Laminators are capable of single or double sided lamination.



# Finishing

Solutions for your  
digital press

Equipment

No more  
bottle necks  
at the  
guillotine!

## Business Card Cutter

Digital presses have revolutionised the printing process. It now takes longer to trim the business cards than to print them - unless a business card cutter is available!

The SA-series of card trimmers are designed to accommodate the typical A3+ sheet used by most digital presses in the production of business cards.

### Main features and functions:

Card stock is friction fed into the cutter from a feeder tray. Longitudinal cutting is achieved by roller blades, while cross cutting is done by a lateral solid blade.

Cutting size is adjustable and the cutter allows for gutters to accommodate designs with bleed. Cutting accuracy is guaranteed by using registration marks on the print that zeroes the cutter on each image.

Trimming the cards is now as easy as printing them.

### Model SA-700

Max paper size: A3+  
Max card thickness: 250gsm  
Feed: Auto friction  
Cutting speed: 100 cards/ 1.5min  
Dimensions: 490×570×220mm  
Weight: 20Kg



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# Finishing

## Equipment

**Robust and  
dependable -  
ideal for signage  
and vehicle  
wrapping  
applications**

### Model SA-1600H

Max laminating width: 1600mm  
Laminating speed: 0-1000mm/min  
Laminating temp.: Cold lamination  
roller Diameter: 150mm  
Dimensions: 550×530×1930mm  
(laminating head only)  
Weight: 45Kg

### Cold Laminator

The ideal companion in the lucrative signage and vehicle wrapping market.

The 1600mm wide laminating rollers accomodate most signage and wrapping applications and the 150mm roller diameter ensure an absolute perfect, crease and bubble free application every time.

With a simple and robust construction, this machine is aimed at the no nonsense shop where down time is not an option.

#### Main features and functions:

High impact, 150mm diameter rubber rollers ensure even application of substrates. Rollers are independantly pressure adjustable on left and right hand sides. Stand with swivel wheels and brakes comes standard with application head. Manual feed.



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# Consumeables

for your digital press

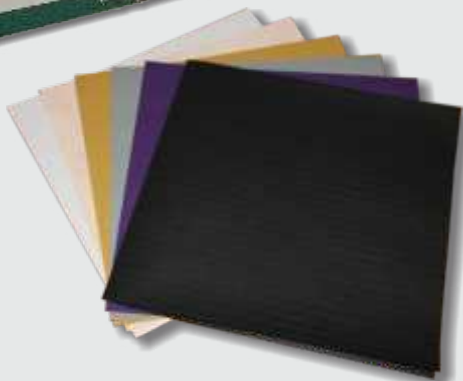
## End Sheets & Cover Board

### End Sheets:

1. Available in wide variety of colours, textures and gramages
2. Customised or standard patterns laser cut end sheets available
3. Standard sizes:  
210 x 297mm, 210 x 210mm, 300 x 300mm  
Custom sizes available upon request
4. Spines available for all sizes and any thickness book



End sheet has peel-away backing for easy-stick application into case cover



### Cover Board & Spines:

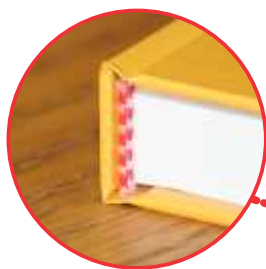
1. 2400 micron
2. Lay Flat Board - Produced as flat sheets (no curl memory)
3. Standard sizes:  
210 x 297mm, 210 x 210mm, 300 x 300mm  
Custom sizes available upon request
4. Spines available for all sizes and any thickness book



# Finishing

## Consumables

### Head Bands & Bookmarks



Attention to detail  
is crucial when  
making a quality  
photo book.

The proper  
head band and  
book mark gives  
that final touch

#### Technical Parameters:

1. Available in large colour range
2. Packed in 1 meter lengths
3. Peel away backing to expose glue surface for easy application
4. Bookmarks in tight weave satin finish



# DOCON SA

# Consumables

## Hot melt glue



### Technical Parameters:

1. Melting point -  $170^{\circ}$  Celcius
2. Stays flexible - even at low temp
3. White - blends perfectly with paper
4. Available in 2,5 and 1 kg tubs



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# Notes



# Notes

## PRODUCTS AT A GLANCE



Model SA-450VS & SA-450VS+  
Model SA-300 Desk top



Model SA-50G



Model SA-460A (A3)

Model SA-100K (A3)



Model SA-16B



Model SA-650 (A1)

Model SA-380 (A3)



Model SA-700



Model SA-1600H



All prices exclude VAT • Terms and Conditions apply



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# Book

## Binding Equipment

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Ideal for the smaller print shop or as  
dedicated machinery for the book bindery



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