

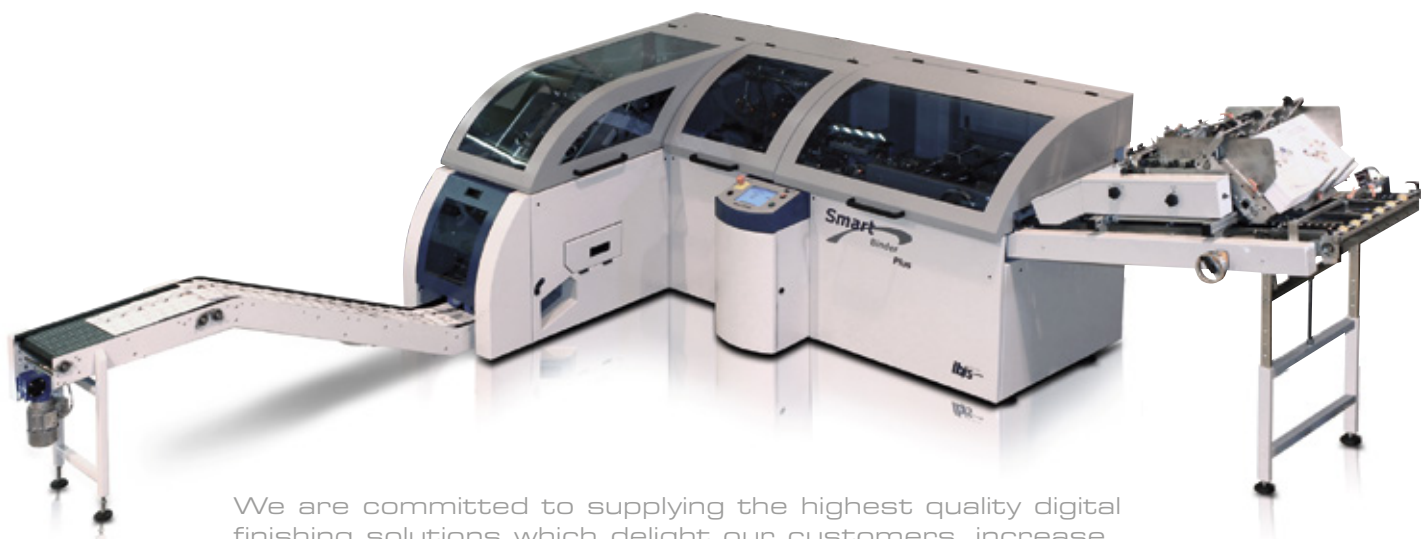


Integrated  
Bindery Systems

**Customized book finishing systems for digital print**

## Produce high quality stitched or glued booklets from digitally-printed sheets

- Output speeds of up to 14,000 books/hour
- High speed sheet feeder or feed from printed web up to 200 meters/min web speed
- Can run in-line with web printers
- Patented ISG glue binding option to replace wire staples
- Sheet and booklet tracking for personalised booklets and 100% integrity
- Variable data content
- 24/7 heavy duty design to produce over 1 million booklets every month.



We are committed to supplying the highest quality digital finishing solutions which delight our customers, increase their profitability and encourage their loyalty over time

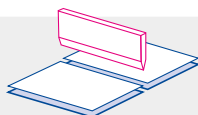
# Smart-binder SB-3 USPs & Features



## Reliable high speed operation

- Heavy duty construction
- Produce over 1 million booklets each month
- Minimal maintenance

### 2-up center trimming option



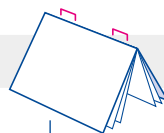
Trim waste removal

Finished booklet delivery

Booklet auto-reject

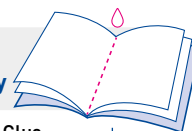
### Wire stitching

- Up to 6 Hohner wire stitch heads
- Missing stitch detector



Sheet collection

### ISG glue binding for optimum quality



IBIS patented ISG Cold Glue Binding for improved booklet lay-flat and easier handling



### Optional cover feeding with autoloader and code reader for cover matching

Optional autoloader CAL-101

### Smart data analysis



- View machine performance/diagnostics
- Interface to log file data

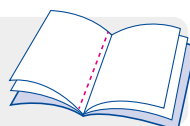


### 100% tracking & booklet integrity

- 2D Datamatrix code reading
- Variable number of pages
- Only correct books delivered

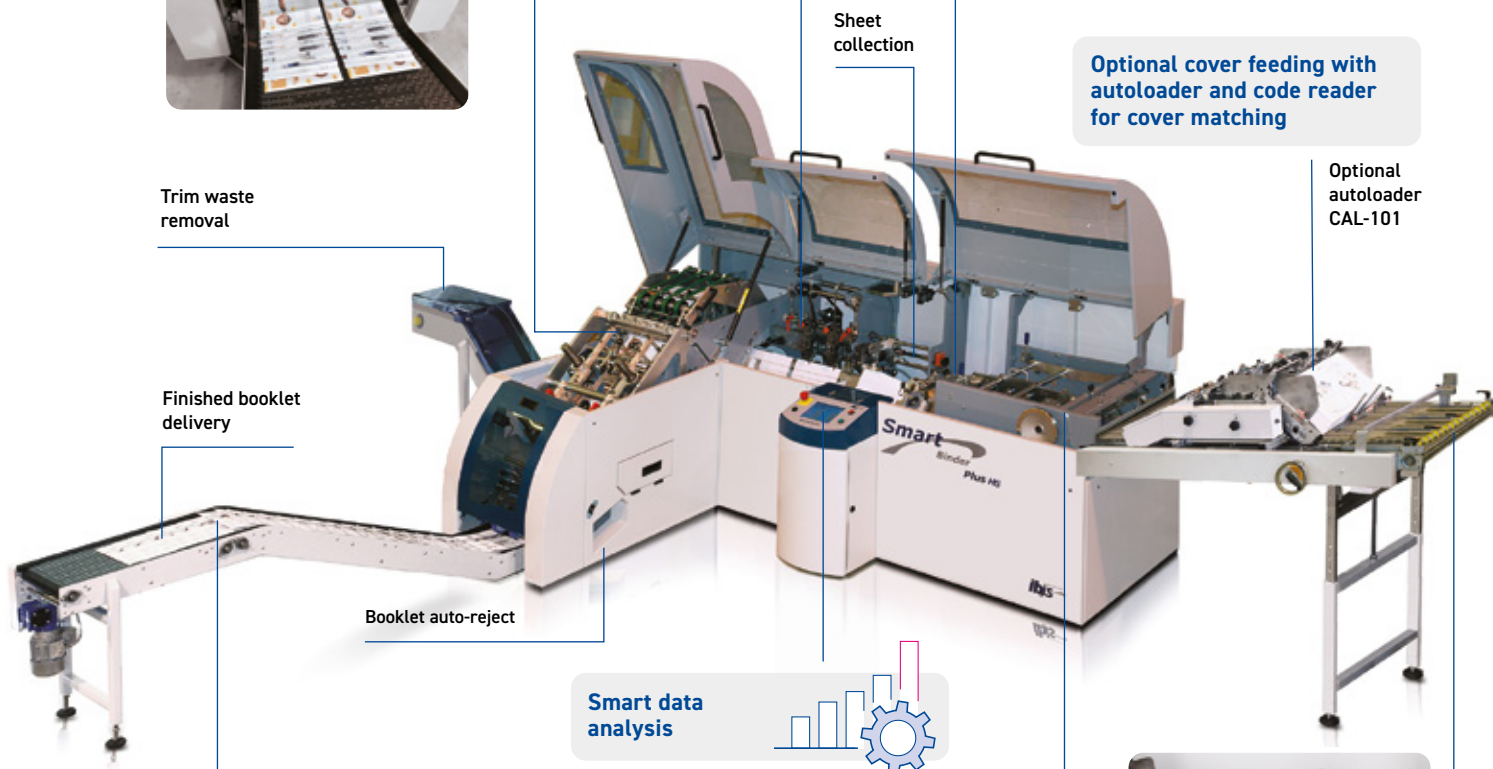
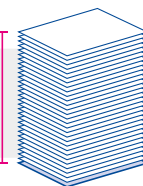


### Dynamic perforation for sheet tear out

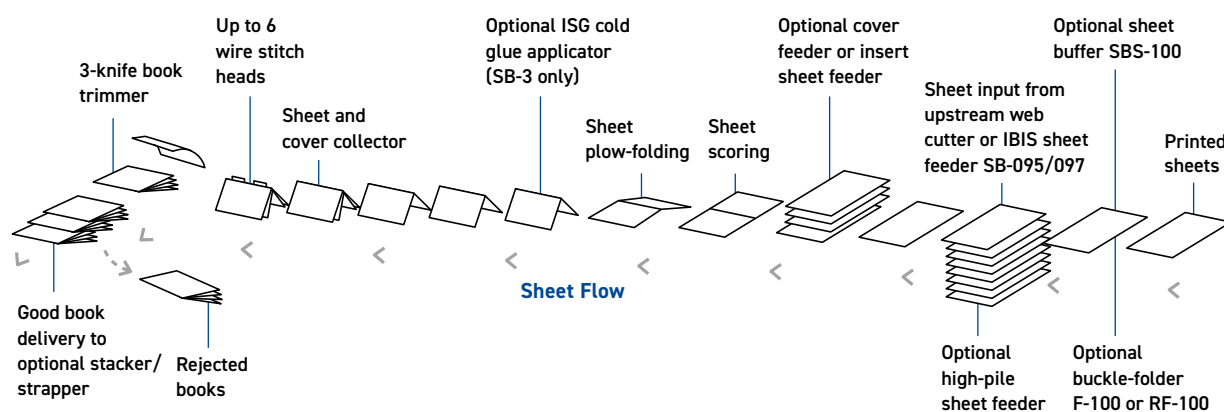


### Optional high-pile sheet feeder SB-095 or SB-097

Optional loading trolley



## Smart-binder paper flow



## Optional additional modules



**SB-097**  
In-line/off-line  
sheet feeder



**SBS-100**  
Sheet buffer



**BSS-10**  
Stacker



**F-100**  
Buckle folder  
with optional  
sheet rotation



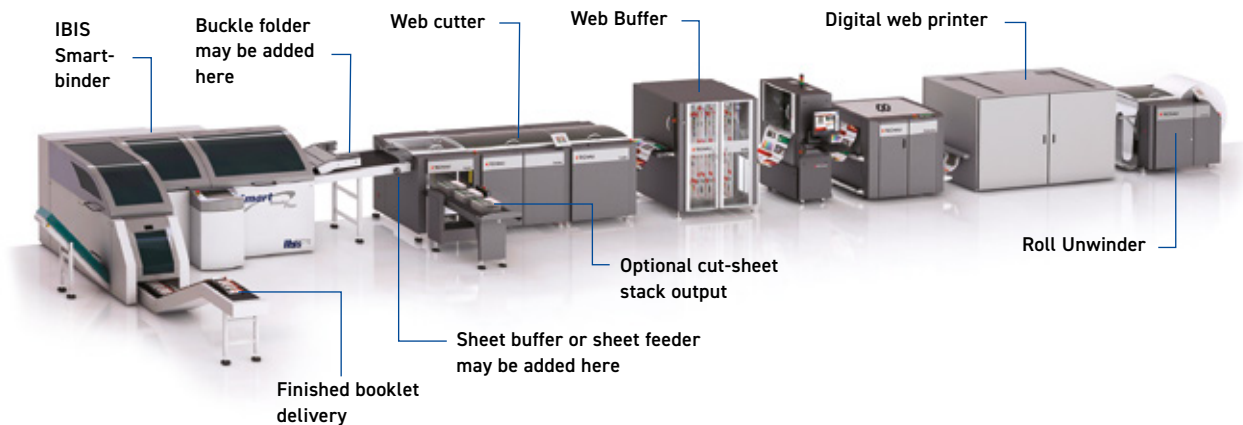
## Target markets

**200 Smart-binders are installed at customers sites world-wide**  
These are used for a wide range of different applications, including:

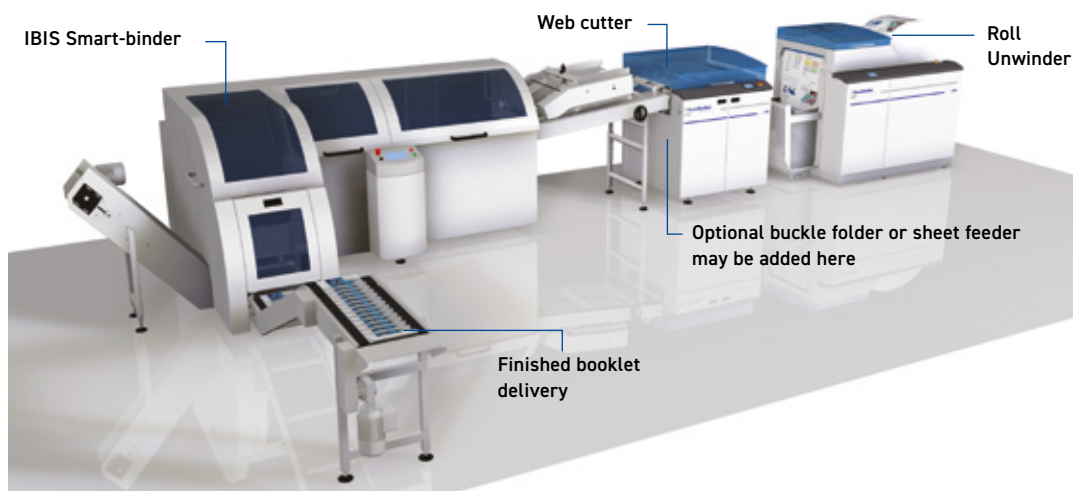
- Examination Papers
- Healthcare & Medical
- ECL Labels
- Insurance
- Product Manuals
- Legal, Financial & Government
- Bulletins & Newsletters
- Music, Pharma, Magazines etc.

# System Configurations

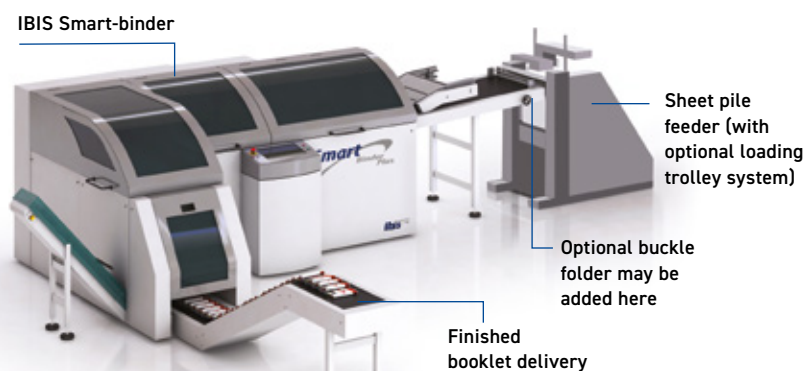
## 1. In-line Smart-binder fed directly from digital printer and web cutter



## 2. Near-line Smart-binder fed directly from roll unwinder and web cutter



## 3. Off-line Smart-binder fed directly from sheet pile feeder



# System Configurations

## Overview

<b>Trimmed Book size</b> If using the optional trimmer center-knife then minimum booklet spine length reduces to 95mm.	<b>Book Width:</b> Min 120mm. Max: 225mm* <b>Spine Length:</b> Min 210mm. Max 320mm*	<b>Maximum Output speed</b>	7000 books/hour in 1-up mode 14,000 books/hour in 2-up mode (using trimmer center-knife)
<b>Trim-off</b>	<b>Front:</b> 4 – 25 mm <b>Sides:</b> 4 – 20mm	<b>Maximum Input speed</b>	130 meters/min web speed (426 feet/min) 180-200 meters/min with additional F-100 folder 450 sheets/min (off-line)
<b>Book Thickness</b>	<b>Minimum:</b> 4 pages (1 sheet) <b>Maximum:</b> 10mm	<b>Paper stock weight</b>	Normal minimum: 50gsm With additional F-100 buckle folder: 40gsm
* Note: Model SB-X increases max to 457mm ‡ Note: Model SB-W increases max to 273mm		<b>Wire stitches</b> Optional loop stitching available	12mm staple. 0.4 – 0.6mm dia round wire



## Smart-binder Videos

### Smart-binder performance table

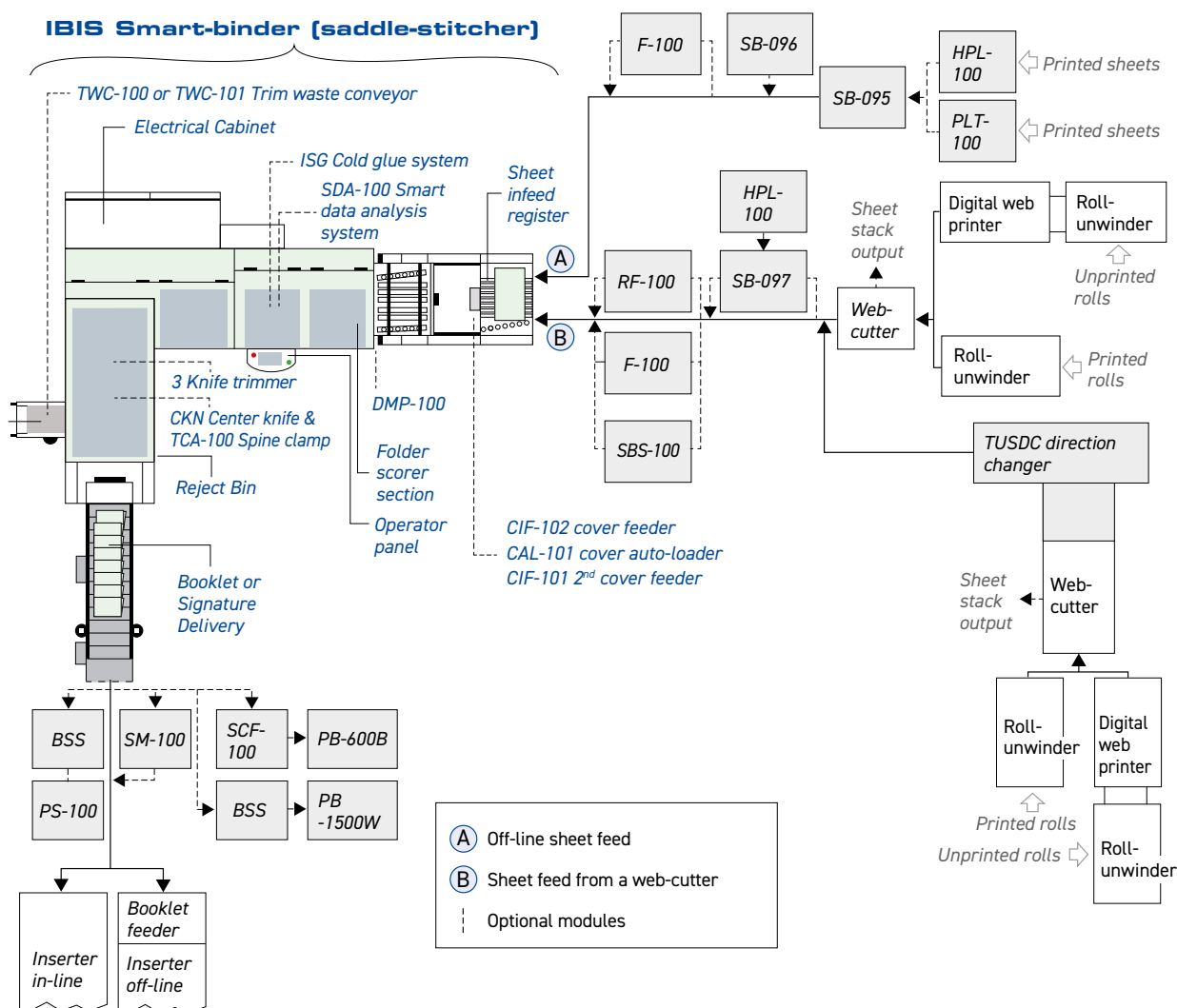
**A4 booklet production up to 150 meters/min web speed**  
 (using optional F-100 folder or F-200):

Number of A4 pages in booklet (excluding separately-fed cover sheet)	Web speed (meters/min) 150 m/min = 492 feet/min	Output rate (books or sigs /min) @100% efficiency*	Output rate (books or sigs /min) @90% efficiency*
8	69	113.0	101.7
12	104	113.0	101.7
16	138	113.0	101.7
32	150	61.0	55.0
48	150	40.7	36.6
64	150	30.5	27.5
96	150	20.3	18.3
128	150	15.2	13.7
160	150	12.2	11.0
200	150	9.8	8.8



# Smart-binder SB-3 floorplan & options

The IBIS Smart-binder has a large number of optional ancilliary modules which have been developed to meet the full range of customer requirements:



## Key to Optional Ancilliary Modules

BSS-10	Booklet stacker (BSS-10)	RF-100	Sheet rotator and buckle folder
DMP-100	Dynamic perforator	SB-095	Sheet pile feeder
F-100	Buckle folder	SB-096	2 <sup>nd</sup> Sheet pile feeder (use with SB-095)
HPL-100	Pile loading trolley	SB-097	Sheet pile feeder, allows sheets to pass over the top (in-line use)
PB-1500W	5-clamp perfect binder	SBS-100	Sheet buffer and re-feed module
PB-600B	1-clamp perfect binder	SCF-100	Signature collector and feeder
PLT-100	Pile loading trolley (for use with SB-095 only)	SM-100	Spine squaring module
PS-100	Pile strapper	TUSDC	Sheet separator and sheet direction change modules

# Customer feedback

## **R+V** Du bist nicht allein.

**Thomas Wenske, Head of the Print Center for R+V:**

**W**e acquired one of the first Smart-binder SB-3s built by IBIS in 2005 as part of a major rebranding exercise. This included improving the face of documents and policies to bring more worth and value for our customers. There were a lot of steps to reach this goal and the IBIS was an important component. It provides integrity and security through individual sheet gluing, which also looks much better than wire stapling and provides a flatter booklet which is easier to insert into an envelope. We are able to produce good looking insurance policies for our customers at high speed and with high value.

The original IBIS Smart-binder worked extremely well, enabling us to increase productivity by 30%, and further improve our ability to personalize our insurance policy documents. Since we were confident to invest again in this world-leading IBIS technology, we installed a further new Smart-binder in 2013 and another new Smart-binder again this summer 2022.



**Thomas Wenske,**  
**R+V Insurance, Germany**



**Steve Ellithorpe, Operations Manager, O'Neil Data Systems, Los Angeles:**

**W**e have built up years of experience in running four IBIS Smart-binders at our production site in LA. These machines proved to be solid performers and capable of operating at peak production rates over a long time periods. We then installed additional Smart-binder systems in Plano which are now operational and contributing well to this large new production site. We are pleased to have become one of the largest users of IBIS Smart-binders in the USA.

**Markus Esser, Esser printSolutions GmbH, Karlsruhe, Germany:**

**T**he first IBIS saddle-stitcher (Digi-stitcher) system was installed at Esser PS 13 years ago and was replaced with a Smart-binder about 9 years ago. These machines enabled us to fulfil our requirements in the optimum way. We have been pleased with the Smart-binder performance. To expand our digital finishing capabilities IBIS have now installed an additional IBIS Smart-binder, the latest model 'Plus HS', which is fed from a Hunkeler unwinder, web cutter and MBO folder at web speeds up to 180 meters/min.



**Rodrigo Santelices,**  
**AMF's Operations Manager:**



*AMF purchased an IBIS Smart-binder SB-3 fed from a high pile sheet feeder to product examination booklets.*

**AMF Impresion**  
**Variable S, Chile**

**O**ur new off-line IBIS Smart-binder system is fed with piles of printed 4pp sheets which it feeds at high speeds. It produces for us high quality stitched and 3-side trimmed 8 ½ x 11" examination booklets containing a variable number of pages. We also have the option of IBIS's patented ISG cold glue binding system on this machine. This provides a unique new alternative to conventional wire stitching. The Smart-binder is a very heavy-duty and reliable system that is already performing well for us.

**Philippe Sans, Owner of Maqprint, France:**

**W**hen we explained to IBIS what we needed, they constructed a customized finishing system for us. The system runs very reliably and is a key component in enabling us to meet our customer's requirements.



*In their print factory close to Limoges, France Maqprint use a unique system using a Smart-binder to produce stitched and trimmed booklets from rolls printed on an HP web printer.*



# Integrated Bindery Systems



**IBIS is committed to offering our customers the highest quality digital finishing solutions and we will always:**

- Act with openness and integrity in all our dealings with you, respond within one working day and respect the confidentiality of information you give us
- Only sell to you if we are confident that we can satisfy your requirements
- Review how our equipment may be customized to suit your specific needs
- Test and demonstrate your finishing job prior to sale, if needed
- Continue to work with you after installation until we achieve pre-agreed system performance
- Give you continued technical support in the future.

I look forward personally to helping you put into operation a complete and highly-effective book-finishing system which will increase your competitiveness and grow your business.

For further information, don't hesitate to call me.

Phone: +44 1494 561 950, E-mail: [John.Cracknell@ibis-bindery.com](mailto:John.Cracknell@ibis-bindery.com)

John Cracknell  
Managing Director, IBIS Bindery Systems

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