

solutions for..

**the
range**

fast
flexible
finishing

finish

digital finishing for digital printers

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the company..



In less than thirty years Morgana Systems has grown to become the UK's leading manufacturer and supplier of print finishing equipment.

During the past ten years it has also established a global reputation as a leader and innovator in the development of systems specifically designed to finish digitally printed output.

Breakthrough products like the AutoCreaser, the DigiFold and the DocuMaster all underline Morgana's claim to be No. 1 in Digital Print Finishing and Morgana is the preferred finishing partner of all the leading manufacturers of digital print engines.

As well as designing and making its own equipment, Morgana is also sole UK distributor for leading finishing manufacturers including EBA and Ernst Nagel.

Morgana is now recognised as a leading innovator in the development of finishing systems designed specifically to meet the needs of the rapidly growing digital print market.

Part of the Morgana showroom



Over 80% of Morgana's UK manufactured products are exported to its global network of dealers and distributors.

Morgana USA was established to provide local support to both the North and South American markets as well as to Canada and now serves national and well as local Morgana resellers on both continents.

In 2006 Morgana moved into a new headquarters in Milton Keynes, bringing all company operations under one roof for the first time.

This purpose-built building, covering 50,000 sq. ft and costing over £4 million,

Event hosting



Part of the Morgana Assembly line



is home to a streamlined manufacturing facility, sophisticated R&D and electronic workshops and a large showroom and exhibition area.

It also houses training facilities and all administrative functions.

The new building has provided greatly increased manufacturing and assembly capability, enabling Morgana to keep pace with the rapidly growing demand for its products from home and overseas markets.

The company has also invested heavily in research and development and its highly trained team of design engineers have

Morgana meeting room



Research & Development



been responsible for the constant stream of new products that Morgana has launched in recent years.

Underpinning the complete Morgana range - which now covers all the main requirements of both digital and conventional printers - is a firm commitment to customer care that provides all that is best in service and support.

Testing & Quality Control



DocuCrease

35cm and 52cm hand creaser designed for small volume applications, the Morgana DocuCrease™ is a hand operated machine, which has adjustable stops for multi creasing along the length the sheet.



Made in the UK

Speed:	n/a
Dimensions:	35 - L 600mm x W 385mm x H 120mm
Dimensions:	52 - L 750mm x W 555mm x H 120mm
Electrical:	n/a
Sheet Size:	35 - 360mm x 350mm
Sheet Size:	52 - 520mm x 520mm
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

ElectroCreaser

Available in 36cm and 52cm sizes. The ElectroCreaser is made for the smaller printer or implant whose requirements don't justify a fully automated creaser. It uses blade and matrix technology for a quality result and is easily set up. It provides two standard creasing width profiles and simplifies jobs needing multiple creases. Handles stock up to 0.4mm (approx 400 gsm)*



Made in the UK

Speed:	n/a
Dimensions:	36 - L 700mm x W 480mm x H 210mm
Dimensions:	52 - L 780mm x W 640mm x H 220mm
Electrical:	240v 50/60hz
Sheet Size:	36 - 435mm x 365mm
Sheet Size:	52 - 520mm x 520mm
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

DigiCreaser

Fully automatic after feeding, the Morgana DigiCreaser is a fast, versatile creaser that can be supplied as a bench-top unit or with an optional base. Easy to use, with a head-up display to prompt the operator, the DigiCreaser uses blade and matrix creasing for optimum quality and has counting and batching as standard. It can store six programmes for repeat work.



Made in the UK

Speed:	4000 sheets per hour
Dimensions:	L 870mm x W 570mm x H 590/1070mm
Electrical:	240v 50/60hz
Sheet Size:	630mm x 330mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

AutoCreaser

First and still best - the Morgana AutoCreaser was the original automated solution to the problems caused by the tendency of digitally printed material to crack when folded.

Easy to use, fast and affordable, the AutoCreaser uses Morgana's patented blade and matrix creasing mechanism that is equally effective with digital output or with cross-grained stock that has been conventionally printed. The suction fed AutoCreaser's high levels of automation ensure consistently accurate creasing throughout.



Made in the UK

Speed:	5550 sheets per hour
Dimensions:	L 1168mm x W 457mm x H 990mm
Electrical:	240v 50/60hz
Sheet Size:	700mm x 330mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

AutoCreaser Pro 33

This model is based on the AutoCreaser but offers many new features and benefits. The most obvious difference is the intuitive 7" touch-screen that controls all the main functions. Using the screen is simplicity itself. Key in the sheet length (popular sizes are pre-set), touch the fold type for the finished product (letter, gate etc) and press the green button. The AutoCreaser Pro 33 will automatically calculate where the creases need to be and set them accordingly.

The productivity has been improved with a massive 50% increase in speed with no loss of accuracy. Now running at 8,500 A4 sheets per hour, and an astonishing 11,000 A5 sph, this is our most productive creaser to date.



Made in the UK

Speed:	8500 sheets per hour
Dimensions:	L 1168mm x W 457mm x H 990mm
Electrical:	240v 50/60hz
Sheet Size:	700mm x 330mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

AutoCreaser Pro 50

As its name suggests the AutoCreaser Pro 50 is the 'big brother' of the AutoCreaser Pro 33. Offering the same features and benefits, it runs at the increased speed of 8,500 sheets per hour. Similarly it has the "selective speed" control so the operator can decide on the best speed to run any given job. The new PosiFeed feeding system that allows a large pile to be loaded and fed is used on the AutoCreaser Pro 50 (along with all of our suction fed machines).

The touch screen offers the user all the benefits described for the AutoCreaser Pro 33 including the alpha numeric job memory.

The AutoCreaser Pro 50 will crease sheets up to 700mm x 500mm and like all the Morgana Creasers, between 0.1mm - 0.4mm in thickness.



Made in the UK

Speed:	8500 sheets per hour
Dimensions:	L 1780mm x W 700mm x H 1000mm
Electrical:	240v 50/60hz
Sheet Size:	700mm x 500mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

AutoFold Pro

As its name suggests the AutoFold Pro is an automatic folding machine designed specifically for the professional digital printer.

It is a free standing folding unit designed for folding digital stocks using our patented flying knife technology which was developed to prevent the scuffing and marking on digital stocks that are caused by folding using conventional methods.

The AutoFold Pro is simply wheeled up to ANY creaser and the height of its vacuum feed conveyor is adjusted to the exit height of the creaser.

Controlled by the same innovative touch-screen panel, the AutoFold Pro is instructed how long the pre-creased sheet is and which fold to produce.

Both machines are turned on and the pre-creased sheets from the creaser are delivered directly onto the AutoFold Pro feed conveyor; here they are accurately registered to the



Made in the UK

side-lay before being folded as programmed and delivered onto a motor driven shingling delivery system which will ensure consistent, high quality stacking.

The beauty of the AutoFold Pro is its simplicity allowing the user of ANY manufacturer's creaser to invest in one and to improve their productivity and quality immediately.

Speed:	6240 sheets per hour
Dimensions:	L 1168mm x W 457mm x H 990mm
Electrical:	240v 50/60hz
Sheet Size:	600mm x 385mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material



DigiFold Pro

Integrated Creaser and Folder.

DigiFold has been Morgana's flagship product since its introduction in 2001.

In this latest version the speed has been increased by 20% and we have added the touch screen as with all Morgana Pro models.

This intuitive screen allows the operator to easily control all the functions of the machine. Set-up takes seconds and can be as simple as pressing 3 buttons; stock size, fold type and the GO button.

The alpha numeric memory allows jobs to be named and saved and with a simple search function, allowing them to be quickly retrieved.

This most versatile of machines has several uses: -

- As an integrated creaser/folder performing both functions in a single pass
- As a "stand alone" creaser when folding is not required
- As a perforator when neither creasing or folding is needed

The vastly increased speed now makes the DigiFold Pro a viable proposition for litho printers who suffer the same cracking problems as digital printers.

Using our proven patented "flying knife" technology we can ensure that there will be no scuffing or marking on digital stocks that are caused by using conventional folding methods.

Additionally, our DynaCrease mechanism will give the same high quality crease that our customers have come to expect, but without stopping the sheet and therefore significantly improving productivity.



Speed:	6000 sheets per hour
Dimensions:	L 1980mm x W 655mm x H 1265mm
Electrical:	240v 50/60hz
Sheet Size:	700mm x 385mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material



Single Fold



Double Parallel Fold



Engineering Fold



Gate Fold



Closed Gate Fold



Letter Fold



Concertina Fold

CardMaster

The Ultimate greeting card machine...The future has arrived!



Made in the UK

The CardMaster is designed for high speed greetings card creasing and folding. Fast to setup with job changes achieved in less than one minute. The operator simply enters the sheet length and the Morgana CardMaster will set the creasing and folding positions automatically. Press the feed switch and the suction feed system will start creasing and folding greetings cards at the rate of an average 150 cards per minute. Jobs can be stored for automatic retrieval.

- Bottom suction feed allows continuous loading.
- Total & batch counting
- Handles litho and digital print.
- Requires only one non skilled operator.
- Uses rotary matrix creasing not rotary scoring.
- Patented flying knife folding.
- Large diameter grooved rollers prevent build up of spray powder or toner.
- Computer aided set up with job set up in under 60 seconds

Speed:	9000 sheets per hour
Dimensions:	L 1770mm x W 790mm x H 1040mm
Electrical:	240v 50/60hz
Sheet Size:	460mm x 365mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

DocuMaster Pro

The complete digital finishing system

The original DocuMaster was produced as a result of a request by one of the Digital Engine Providers. They had just produced a machine that delivered pre-collated sets (including covers of heavier stock) and wanted Morgana to produce a booklet maker that could finish them without cracking the book's spine or the highly visible centre page spread.

The DocuMaster Pro is the fourth generation DocuMaster and has all of the original design attributes. We have added the same touch-screen module as used by the whole range of Morgana Pro machines and it also benefits from the new PosiFeed feeding system making an already impressive feeder, unbeatable.

Targeted specifically at digital printers, the DocuMaster is a complete finishing system combining feeding, creasing and high quality bookletmaking. It enables pre-collated booklets or brochures to be finished in one highly automated operation.

The optional variable data camera system used on the DocuMaster is simplicity itself. The camera is set to read a fixed point on the booklet's cover (or any other page) and that is



Made in the UK

all that is required to instruct the system to make the book, irrespective of the number of pages. This guarantees set integrity.

DocuMaster is the Multi-tasking champion. Use it as a bookletmaker, a creaser or a perforator to produce 4pp brochures on heavy card stock, or to give the perfect bound appearance to pre-produced booklets using the optional Square Back, it will happily do them all.

Near-line or off-line finishing enables your print engine to operate at maximum speed. This is often not the case when on-line finisher's are used.

Due to the high productivity of the DocuMaster, work from more than one print engine can be finished.

Speed:	1560 books per hour - books
Speed:	5000 sheets per hour - crease
Dimensions:	L 2700mm x W 720mm x H 1185mm
Electrical:	240v 50/60hz
Sheet Size:	460mm x 320mm sheet size - book
Sheet Size:	630mm x 330mm sheet size - crease
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

- JDF Ready
- Camera recognition system
- Variable data compatible
- Creasing & bookletmaking
- Intuitive 7" touch screen control
- Guaranteed set integrity
- Optional Square Back

Uchida AJ-700 Jogger

Ideal for knocking up misaligned material with static from some digital print engines. Ideal accompaniment for the DocuMaster and creasing range.

- Variable air jet speed to suit different stocks
- Foot pedal or continuous operation
- Adjustable jogging angle
- Height adjustable



Dimensions:	L 550mm x W 430mm x H 1270mm
Electrical:	240v 50/60hz
Sheet Size:	500mm x 350mm sheet size
Pile Size:	85mm

Major Folder

Latest in the range of Morgana folders, the Major is the successor to the popular Junior model and features outstanding speed of set-up. This suction feed folder takes a larger sheet size and has a higher operating speed than its predecessor. It handles output from both digital and offset presses with equal ease and is intended for lower volume applications than the UFO range.

- Pulsed action suction feed
- Counting/batching as standard
- Plug-in perforating and scoring
- Double sheet/anti-jam detection



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Speed:	Variable upto 27000 sheets per hour
Dimensions:	L 1168mm x W 493mm x H 1280mm
Electrical:	240v 50/60hz
Sheet Size:	648mm x 365mm sheet size
Sheet Weight:	56gsm - 240 gsm approx

DocuFold

The last word in automated suction feed folding and the perfect partner for 'on-demand' digital printing. Once the paper is presented, sensors automatically register its length, while simple controls adjust fold plates as required. Settings can be simply memorised for repeat work. Counting and batching are standard features.



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Speed:	12,000 - 17,000 sheets per hour
Dimensions:	L 1210mm x W 520mm x H 1280mm
Electrical:	240v 50/60hz
Sheet Size:	450mm x 365mm sheet size
Sheet Weight:	56gsm - 240 gsm approx

Plug-in Perforating Unit standard on both machines.

UFO Folders

Acknowledged as the finest suction feed folder in its class, the Morgana UFO is a best seller throughout the world. The product has been constantly refined and improved over the years and now features a 'head-up' display making it easy to operate the folder from either side and providing the operator with a wealth of information at a glance.

- Fast, easy set-up
- Counting/batching as standard
- Side lay register
- Roller pressure settings
- Combination fold rollers
- Crossfold unit available
- Pulsed action suction feed



Made in the UK

Speed:	Variable upto 30,000 sheets per hour
Dimensions:	L 1910mm x W 785mm x H 1460mm
Electrical:	240v 50/60hz
Sheet Size:	640mm x 457mm sheet size
Sheet Weight:	56gsm - 240 gsm approx

The UFO 1 can have an optional crossfold unit to provide a greater variety of folds.

FRN5 Rotary Numberer

The rotary action FRN5 numberer is the ideal unit for lower volume applications and shares many of the same features as the FSN, including the ability to feed SRA3 landscape or portrait. The ergonomic design allows both the feed and delivery tables to be stored when the machine is not in use.

- Fast, simple set-up
- Numbering, perforating, scoring anywhere on the sheet
- Fully mobile with foldaway design



Made in the UK

Speed:	5500 sheets per hour
Dimensions:	L 900mm x W 780mm x H 1110mm
Electrical:	240v 50/60hz
Sheet Size:	460mm x 460mm sheet size
Sheet Weight:	Takes 6-part carbonless sets
Collars Max:	4

FSN Rotary Numberer

The FSN is a heavy duty, high volume, suction feed numberer featuring electronic pulsing and feeding from the bottom of the stack so that loading can be done 'on the run.' Positive control of paper from feed to delivery ensures consistent register throughout every run. The FSN takes up to 8 parallel or convex numbering heads.

- High power vacuum and air pump
- Numbering, perforating, scoring anywhere on the sheet
- Fully mobile



Made in the UK

Speed:	9000 sheets per hour
Dimensions:	L 1168mm x W 457mm x H 990mm
Electrical:	240v 50/60hz
Sheet Size:	460mm x 460mm sheet size
Sheet Weight:	Takes 7-part carbonless sets
Collars Max:	8

System 90 Jogger

The Morgana Jogger is an essential piece of equipment for printers who need to 'knock up' paper or carbonless sets in sizes up to SRA2. It combines well with the AutoCreaser, Morgana rotary numberers, DigiCoater or Uchida collators, depending on the application.

The height of the Jogger can be adjusted as can the angle.



Made in the UK

Speed:	n/a
Dimensions:	L 700mm x W 500mm x H 900mm
Electrical:	240v 50/60hz
Sheet Size:	700mm x 500mm sheet size

CardXtra

Business Card Cutter

Designed to cut business cards printed digitally or conventionally, the Morgana CardXtra is a fast and versatile easy to use business card cutter which is ideal for today's on-demand environment.

The CardXtra has unique mark recognition sensors allowing the cutter to follow the print ensuring consistent accuracy.

There are several programmes available to store your common jobs for repeat work. Optional, fully interchangeable cutters available for postcards etc.

- Fast set-up
- Takes A3 plus sheets
- Suction feed
- Wide range of card formats
- Quick change, rotary blades



Speed:	140 business cards per minute
Dimensions:	L 1032mm x W 615mm x H 917mm
Electrical:	240v 50/60hz
Sheet Size:	450mm x 320mm sheet size
Sheet Weight:	105gsm - 375gsm

Various cutters available. Picture below shows optional postcard cutter.



EPS & PDF templates available for download from www.morgana.co.uk

CardXtra Plus

Integrated cutting and creasing machine.

The CardXtra Plus has been manufactured to meet the needs of the growing number of digital printers who have asked for a highly accurate, low cost, easy to use multifunctional finishing device.

With run lengths becoming shorter and jobs being personalised or printed with no "overs" it is essential to have an accurate, easy to use reliable finishing system; and that is exactly what the CardXtra Plus is.

It can feed sheets up to SRA3 in size and can trim, cut and crease in multiple positions. The accuracy of the new CardXtra Plus is now the best available in the market and significantly better than that of many more expensive units. +/- 0.1mm accuracy versus +/- 0.7mm or +/- 0.5mm for the largest volume selling machines that existed previously makes the CardXtra Plus between 5 and 7 times more



accurate and provides a much better result for your customer and investment for your business.

When producing business cards an average run of 250 cards can be finished in less than 2 minutes. A small job such as this that would previously have needed 18 cuts on a guillotine

Speed:	140 business cards per minute
Dimensions:	L 1300mm x W 600mm x H 950mm
Electrical:	240v 50/60hz
Sheet Size:	450mm x 320mm sheet size
Sheet Weight:	105gsm - 375gsm

can now be offered as a "while you wait" service.

The versatile CardXtra Plus now has the ability to take SRA3 sheets, trim them to A3 and crease them to produce finished A4 4 page brochures. Equally easily it can finish the job to A4 which can then be creased to make 4 page A5 leaflets or multiple creases for a wide variety of applications.

The options are endless and with the million cut guarantee the CardXtra Plus will be serving your business for many years to come.

DigiCoater 33

The new range of UV coaters are now available in a 33 and 50cm widths. The DigiCoater 33 is available with gloss and matt coatings online and integral auto wash. It has full touch screen technology for simple operation and is Ideal for the SRA3 market with a small footprint. The optional Digi-IR unit is available for wax based toners. A suction feeder is available as an option.



Speed:	7.5 - 30 metres per minute
Dimensions:	L 1500mm x W 700mm x H 1045mm
Electrical:	240v 50/60hz
Sheet Size:	330mm x 762mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)*

DigiCoater 50

The big brother to the DigiCoater 33. The DigiCoater 50 has all the benefits of the smaller model but with the extra width for larger sheet sizes. It has the ability to apply an aqueous primer (for uncoated media to be printed). Its patented primer coating station solves printing media consistency issues. Now you can primer-coat uncoated media to give superior and consistent printing results, minimise set up times and limit colour correcting to a minimum. Gloss or matt UV coatings are available from separate tanks. The DigiCoater 50 has full touch screen control and complete adjustment of coating thickness. All this in the footprint of less than half that of traditional devices. The optional Digi-IR unit is available for wax based toners. A choice of feeders are available to suit all applications.



Speed:	7.5 - 30 metres per minute
Dimensions:	L 1707mm x W 1000mm x H 1200mm
Electrical:	240v 50/60hz
Sheet Size:	500mm x 762mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)*

Morgana recommend external venting for this product. As an alternative, the X-Tractor is available which is an internal filtration/fume extraction system. See overleaf.

Gloss Varnish

A gloss coating can add impact to the print, especially in sales or promotional material, where optimum presentation of images is important.

Matt Varnish

A matt varnish is sometimes used to 'soften' the appearance of a printed image. Small text in a leaflet or booklet can be easier to read on a surface coated with matt varnish as the coating scatters the light and reduces glare.

Textured Finish

A textured finish allows the designer to create a special effect on the printed surface. This is achieved by way of a textured roller.

Protection

Applying a UV coating protects the printed image as well as enhancing it. This is essential for anything that will be frequently handled or submitted to the rigours of the postal system.

The DigiCoater is compatible with most print technologies including liquid ink and toner based digital engines, photo, ink jet, conventional litho digital and more.

X-tractor

The cost effective extraction solution for the DigiCoater when the location of the coater and/or the building construction do not allow exterior venting.

The X-Tractor fits neatly between the feeder and the DigiCoater unit and simply uses a standard 13amp supply.

The unit is extremely quiet in operation and requires minimum maintenance with sensors telling you when cleaning or replacement is due.

- Blower with high airflow
- Low cost replacement filters
- Optional VOC gas sensors
- Optional interface with stop/start, filter blocked and extractor failure signals



Speed:	400m ³ /hr capacity
Dimensions:	L 380mm x W 380mm x H 590mm
Electrical:	240v 50/60hz
Sheet Size:	n/a
Sheet Weight:	n/a

Digi-IR

Designed for use on output from digital engines where the toner has a waxy base.

The Digi-IR re-activates the surface of the toner prior to coating to ensure perfect adhesion of the varnish. The unit is available as an option if required.

Available in 330 & 500 widths to suit either the 33 or 50 coaters.



Speed:	n/a
Dimensions:	33 - L 300mm x W 480mm x H 900mm
Dimensions:	50 - L 300mm x W 700mm x H 900mm
Electrical:	240v 50/60hz
Sheet Size:	n/a
Sheet Weight:	n/a

Adventure PA

PUR Binding strength redefined!

These models set new standards in the field of single clamp perfect binding between 200 to 500 cycles per hour. The Morgana ADVENTURE and EXPLORE are unique perfect binding machines equipped with a sophisticated inbuilt closed PUR application system for spine and side gluing of books up to 50mm thick.

- Touch screen operation complete with automatic format change. Format change by data input into job memory (50 programmes)
- Electric opening and closing of clamp
- Binding length (spine) from 120 up to 350mm
- Spine preparation by sophisticated milling device
- Paper chip extractor
- Unique sophisticated inbuilt closed PUR application system for spine and side gluing with automatic glue cut-off



- Automatic cover clamping
- Open flat binding

Short make-ready times and easy operation allow the production of large or small runs economically and quickly. The new Morgana ADVENTURE and EXPLORE models meet today's market requirements for professional equipment giving high quality, high strength binding.

Glue Type:	PUR
Speed:	200 cycles per hour
Dimensions:	L 1320mm x W 900mm x H 1150mm
Electrical:	240v 50/60hz 30amp
Binding Length:	120mm - 350mm
Binding Height:	90mm - 310mm
Spine Size:	2mm - 50mm

Explore PA

- Operator Touch-Screen
- Professional jogger at book block feeding position
- Electric opening and closing of clamp
- Book block formats: DIN A 5 to DIN A3
- Cover sizes accordingly to book block formats, weight 120 - 350 g/m²
- Sophisticated milling device adjustable from 0-3 mm with inbuilt slitting points and complete with paper dust vacuum system
- Professional inbuilt closed PUR-application system for spine and side gluing, complete with automatic glue cut-off
- Suction cover feeder with inbuilt scoring device



- Automatic cover clamping with timer control
- Delivery by chute onto conveyor or optional vertical stacker
- Open flat binding

Glue Type:	PUR
Speed:	500 cycles per hour
Dimensions:	L 2550mm x W 850mm x H 1300mm
Electrical:	3 Phase+E+N 400v 50hz 32amp
Binding Length:	148mm - 430mm
Binding Height:	105mm - 310mm
Spine Size:	2mm - 50mm

EBA435M

This powerful EBA 435M office guillotine for manual operation is perfect for effortless cutting and trimming of paper stocks or bound brochures up to 40mm in height.

Features include: 430mm cutting length, 40mm cutting height, solid all metal construction, solid steel blade carrier, manual paper clamp, spindle driven backgauge with calibration ring. Bench top model. Picture shows optional stand.



Speed:	n/a
Dimensions:	L 880mm x W 830mm x H 1090mm
Electrical:	n/a
Cutting Size:	W 430mm x D 390mm
Pile Height:	40mm
Programmes:	n/a

EBA435A

The EBA 435A with a new digital display and power clamp, offers high cutting performance which is easy and safe to operate.

Features include: Electro-mechanical blade drive, powered paper clamp, spindle driven backgauge with digital display for precise positioning, precision side lay, optical cutting line with LED's. Available as a bench top model or with optional stand or cabinet. Optional cabinet shown.



Speed:	n/a
Dimensions:	L 640mm x W 695mm x H 1080mm
Electrical:	240v 50/60hz
Cutting Size:	W 430mm x D 390mm
Pile Height:	40mm
Programmes:	n/a

EBA480EP

This is the perfect guillotine for the budget-conscious smaller printer or implant who needs programmatic control for on-demand operation.

It has a 48cm cutting width, optical cutting line indicator, accepts a pile height of 8cm and features an electro mechanical blade drive and power back gauge. Programmatic operation allows 99 jobs to be stored for repeat work with 99 cutting positions within each programme.



Speed:	n/a
Dimensions:	L 755mm x W 970mm x H 1360mm
Electrical:	240v 50/60hz
Cutting Size:	W 475mm x D 450mm
Pile Height:	80mm
Programmes:	99 with 99 steps

EBA 551 (LT)

The 551 has an electronic photocell safety guard protecting the front table area.

Hydraulic precision drive for blade and clamping, electronically guarded front table area by safety cover, a manually operated hand wheel for fine adjustment of the back fence and an electronic digital display with an accuracy of 0.1mm.

It has a large cutting capacity, an infinitely adjustable clamping pressure with display and a foot clamp for pre-pressing. There is also an optical and mechanical cutting line indicator. Side tables at the right and left side are optional, as is a front and rear air table (LT versions).



Speed:	n/a
Dimensions:	L 1630mm x W 1400mm x H 1370mm
Electrical:	240v 50/60hz
Cutting Size:	W 550mm x D 570mm
Pile Height:	95mm
Programmes:	99 with 99 steps

EBA 721 LT

A professional power guillotine that has all the productivity features you would expect from EBA.

It offers precise cutting and trimming up to 720mm wide with an insertion depth of 720mm. Standard equipment includes a fully programmable control module for the power back fence, a front and rear air table and an electronic photocell safety guard protecting the front table area. Optional right and left side tables are available as shown fitted in the picture. The programme facility enables 99 programmes to be memorised with 99 cuts per step. Preset cut programming available along with a step and repeat facility for multiple cuts.

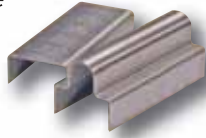
As a first step towards making the EBA range JDF compatible, the 721 LT has the option of a computer interface that will allow the guillotine to be programmed directly from a computer or via a usb stick.



Speed:	n/a
Dimensions:	L 2100mm x W 1600mm x H 1335mm
Electrical:	3 Phase+E+N 400v 50hz 16amp
Cutting Size:	W 720mm x D 720mm
Pile Height:	80mm
Programmes:	99 with 99 steps

Foldnak M2

Ideal for implants or low volume on demand applications, the Foldnak M2 is an entry-level model that will produce finished booklets from A6 to SRA3. Can be supplied as a bench-top or free-standing unit. Can take flat staples and loop staples.



Speed:	500 booklets per hour
Dimensions:	L 490mm x W 510mm x H 290mm
Electrical:	240v 50/60hz
MIn Size:	148mm x 210mm
Max Size:	330mm x 448mm
Max Thickness:	1.5mm (approx 15 sheets x 80gsm)
Staples:	26/6, Ri 26/6 (Loop)

Foldnak 40

This highly popular mid-range machine produces 100 page booklets of 80 gsm paper. Simple to use and fast to set up, the Foldnak 40 is fitted with sensors that check the correct alignment of pages for optimum accuracy. It produces booklets in sizes to SRA3. Can take flat staples and loop staples.



Speed:	1500 booklets per hour
Dimensions:	L 1020mm x W 600mm x H 880mm
Electrical:	240v 50/60hz
MIn Size:	120mm x 210mm
Max Size:	325mm x 450mm
Max Thickness:	2.5mm (approx 25 sheets x 80gsm)
Staples:	26/6, 26/8 S, Ri 26/6 (Loop)

Foldnak 8 & Trimmer

The Foldnak 8 is the flagship of the range, offering stapling positions at 80, 180 and 240mm centres and featuring 'Power Clenching' for a truly professional finish.

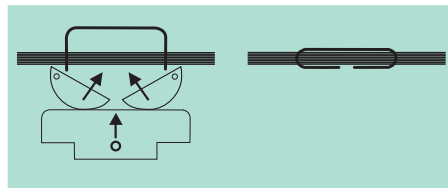
It is seen here working on-line with a Foldnak trimmer, which trims the fore-edge of the document as well as pressing the spine for an extra sharp fold. It will also operate on-line with bench-top collators.

The trimmer can be purchased separately and added to the Foldnak 40 or Foldnak 8.



Speed:	2000 booklets per hour
Dimensions:	L 1270mm x W 610mm x H 870mm
Electrical:	240v 50/60hz
MIn Size:	105mm x 210mm
Max Size:	325mm x 450mm
Max Thickness:	2.5mm (approx 25 sheets x 80gsm)
Staples:	26/6, 26/8 S, Ri 26/6 (Loop)

The 'Power Clenching' mechanism on the Foldnak Compact ensures the highest quality professional finish.



Morgana is the sole UK distributor for Foldnak bookletmakers - the world's best selling range made by Ernst Nagel. The bookletmakers cover a wide spectrum of applications. Morgana recommends genuine Nagel staples. Flat, looped and special hardened staples available.

Foldnak Compact

This machine is unique in its class combining a bookletmaker with an integrated Trimmer. It has a total length of 1.05 m without the belt stacker making it very compact. With an unrivalled wide range of formats (from 105mm x 210mm up to A3+) and a very short set-up time, it is particularly suited for small, medium and frequently changing run lengths in digital or offset printing. It is a highly efficient solution for digital printers who need a quick and flexible production of booklets.



Speed:	2000 booklets per hour
Dimensions:	L 1030mm x W 710mm x H 860mm
Electrical:	240v 50/60hz
MIn Size:	105mm x 210mm
Max Size:	325mm x 450mm
Max Thickness:	2.5mm (approx 25 sheets x 80gsm)
Staples:	26/6, 26/8 S, Ri 26/6 (Loop)

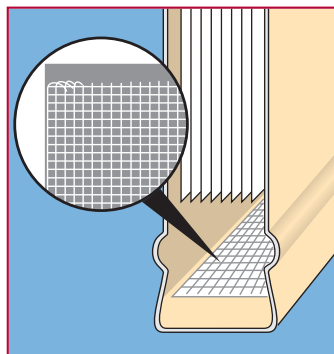
Bindomatic 101 DFS Presentation Binding System

This high-speed, high-quality presentation binding system is capable of serving several high-speed copiers or printers at the same time. Despite its compact, desktop design, it will produce upto 1400 A4 documents per hour. It uses a cover selector to determine the correct cover width and allows documents of different sizes to be bound in the same cycle. The finished documents are smart and durable with clear Perspex covers and a spine that is reinforced with binding gauze for extra strength. Covers are made with a double crease so they will open flat.

Quality binding has never been easier. The cover selector indicates the correct spine width and, once the sheets are inserted into the cover, the 101 automatically binds the document. Ready-to-use documents are delivered to the output tray.



Speed:	1600 documents per hour
Dimensions:	L 475mm x W 511mm x H 360mm
Electrical:	240v 50/60hz
Sheet Size:	A4
Spine Widths:	1.5mm - 15mm



Rhin-o-Tuff Punching and Binding System

HD 7700 Ultima/HD 8370

This new heavy-duty desk-top punch has a capacity of 35 sheets of 80gsm stock. An overload trigger prevents the operator from attempting to punch too many sheets and a reversing function eliminates jams. The unit will punch documents up to 350mm wide, well in excess of A4.

The punch may be operated either with a foot pedal to leave the hands free or with a conveniently positioned palm switch.

This semi-automatic wire inserter/closer is capable of closing documents with a 3-1 pitch. It allows documents up to 14mm to be bound using double loop wire and can easily be adjusted to accept different wire sizes. Operation is simple, using a magnetic back guide to hold the wire in place. The punched work is then inserted over the wire and the handle is used to close the wire around the document - all in one operation.



Picture shown with HD8370 mounted on top of the punch unit. HD8370 can be used as a stand alone closer.

Speed:	90 cycles per minute
Dimensions:	L 547mm x W 534mm x H 216mm
Electrical:	240v 50/60hz
Sheet Size:	356mm
Capacity:	35 sheets of 80 gsm approx



Full range of dies available.

Apes 14 Stacker

The APES automatic paper ejector and stacker can increase the productivity of the heavy-duty Rhin-o-Tuff punches by as much as 50%.

The APES-14, (Automatic Punching & Ejection System) enables paper that has been punched on the popular Rhin-o-Tuff HD range of punches to be automatically ejected and stacked in one pass. This greatly reduces manual paper handling and enables the user to increase output for a minimal capital outlay. Existing Rhin-o-Tuff users will also benefit as the new unit is easily fitted to their machines.

The stacker ejector will take up to 1,000 sheets of paper in sizes in excess of A4 and complements the wire inserting and binding products in the Morgana range.



Speed:	n/a
Dimensions:	L 965mm x W 559mm x H 381mm
Electrical:	240v 50/60hz
Sheet Size:	140mm - 356mm
Capacity:	35 sheets of 80 gsm approx

Morgana is the exclusive UK distributor for Rhin-o-Tuff, a range of punching and binding equipment noted for its flexibility and productivity. Unlike other systems, all Rhin-o-Tuff Punches feature interchangeable dies enabling them to produce hole patterns for plastic comb, plastic spiral, wire and Velo Bind systems. The dies can be changed in seconds without special tools.

Pics-A-Lift

This time saving device works alongside the HD-7700 punch and automatically extracts the optimum number of sheets to be fed to the punch.

- Highly accurate
- Maximises speed of punching operation
- Adjustable according to paper weight or thickness



Speed:	n/a
Dimensions:	L 470mm x W 406mm x H 356mm
Electrical:	240v 50/60hz
Sheet Size:	140mm x 356mm sheet size
Sheet Weight:	Takes stock up to 0.4mm (approx 400 gsm)* including laminated material

Citoborma by Ernst Nagel.

Over 40,000 Citoborma drills have been installed worldwide - a testament to their reliability, versatility and value for money. The range includes models of different sizes and specifications to suit all applications and to meet all budgetary requirements.



Drill diameter:	2mm - 9mm
Heads:	1
Dimensions:	L 470mm x W 470mm x H 480mm
Electrical:	240v 50/60hz
Sheet Size:	350mm x 250mm
Max Thickness:	50mm
Stops:	Fully adjustable and self-centering

Citoborma 111

The Nagel electric drill easily and safely handles stacks of paper up to 50 mm thick and has preset hole patterns. Drilling takes place with no effort, efficiently and quickly.

Citoborma 190

The latest generation is the Citoborma 90 Series, which adds greater diversity to the range with features such as the unique FlexoDrill sliding table and the ability to set up pre-programmed drilling patterns in seconds. All models in the 90 series take a 60mm pile height and can be supplied for either bench top or treadle operation. This single spindle model is ideal for the smaller printer and represents outstanding value for money.

The Citoborma flexible sliding table provides automatic release after each stroke and takes paper widths up to 470mm. It provides adjustable throat depth and centring of the paper stack.

It can be fixed in any required position and has a retractable left side stop for smooth and fast access. The individually programmed tabulator bars are interchangeable.



Drill diameter:	2mm - 20mm
Heads:	1
Dimensions:	L 640mm x W 600mm x H 700mm
Electrical:	240v 50/60hz
Paper Width:	470mm
Max Thickness:	60mm
Stops:	Fully adjustable and self-centering

Citoborma 290

This popular drill has two spindles at fixed 80 mm centres but can also be supplied in a version with self-centring spindles that can vary in position between 45 and 160mm.



290 shown with optional treadle unit.

Drill diameter:	2mm - 20mm
Heads:	2
Dimensions:	L 640mm x W 600mm x H 700mm
Dimensions:	L 640mm x W 600mm x H 1580mm T
Electrical:	240v 50/60hz
Paper Width:	470mm
Max Thickness:	60mm
Stops:	Fully adjustable and self-centering

Citoborma 490

This powerful, heavy-duty drill takes from 2 to 6 drilling heads. It features 2-speed drilling and the ability to make paper position adjustments in seconds. Options include air-cooling for drill bits and the ability to fit multi-spindle heads for work where the distance between centres is too close for adjacent heads. 3 phase power requirement.

Full range of drills and accessories for the full range of Citoborma Drills



Drill diameter:	2mm - 35mm
Heads:	1 - 6
Dimensions:	L 710mm x W 770mm x H 1390mm
Electrical:	3 Phase+E+N 400v 50hz 16amp
Sheet Size:	460mm x 270mm
Max Thickness:	60mm
Stops:	Fully adjustable and self-centering

The World's Best Selling Drills.

Uchida Collators - UC-1100

Offering the best price/performance package on the market, the Uchida UC1100 collator is compatible with most floor standing bookletmakers, including the Foldnak range.

The UC-1100 is a ten-station collator taking a sheet size in excess of SRA3 and running at speeds to 3600 sets per hour. Features criss-cross stacking, automatic bin linking, bin programming, miss & double detection and automatic cover inserting as standard.

A useful addition to the UC1100 is the Morgana Jogger (see page 28), designed for users who need to collate and knock up SRA3+ carbonless paper.

Can be used with an optional SP-21 stapler/punch unit.

Uchida collators have great reliability and a range of high productivity features.



Speed:	Upto 3600 sets per hour A4
Dimensions:	L 740mm x W 545mm x H 1056mm
Electrical:	240v 50/60hz
Min Size:	95mm x 150mm
Max Size:	328mm x 469mm
Sheet Weight:	35gsm - 210gsm station 1 & 10
Sheet Weight:	35gsm - 160gsm station 2 to 9



Picture shows UC1100 control panel.

Multinak Staplers

Power and treadle operated staplers

The range of Multinak staplers from Nagel gives the choice of treadle or power operation for both saddle and flat stitched work.

Multinak FS

The Multinak FS is designed for those working on a smaller budget. Treadle operated, it will handle the same document thickness as the powered version and features twin heads.

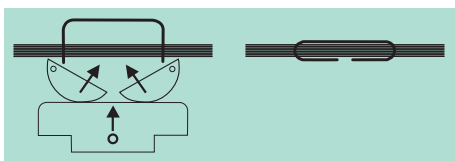


Heads:	2
Dimensions:	L 750mm x W 600mm x H 1280mm
Electrical:	n/a
Staple Length:	6mm - 18mm (A heads)
Staple Length:	6mm - 30mm (B heads)
Max Size:	325mm x 450mm
Thickness:	2 sheets - 270 sheets 80gsm
Staples:	24, 26, 30 + Loop (50, B50 B heads)



Multinak S

The Multinak S is a power operated stapler which features twin heads and will staple documents from just 2 sheets up to 27mm thick. Easy to set up, it incorporates Nagel's famous 'Power Clenching' mechanism to ensure strong, perfectly formed stitches each time.



Multinak S and FS: Power clenching



Heads:	2
Dimensions:	L 750mm x W 600mm x H 1100mm
Electrical:	240v 50/60hz
Staple Length:	6mm - 18mm (A heads)
Staple Length:	6mm - 30mm (B heads)
Max Size:	325mm x 450mm
Thickness:	2 sheets - 270 sheets 80gsm
Staples:	24, 26, 30 + Loop (50, B50 B heads)

EBA High-Volume Document Shredders

EBA 5141 C/S

Equipped with an efficient, high security cutting mechanism, this is a powerful office shredder that takes up to 55 A4 sheets at a time. It is fitted with a large, 225 litre capacity shred bin.



Sheet Width:	405mm
Dimensions:	L 640mm x W 590mm x H 1010mm
Electrical:	240v 50/60hz
Shred Type:	Cross cut/straight
Security Din:	S = 2, C = 3
Capacity:	33-35mm S, 23-25 C

EBA 5146

The EBA 5146 series provides feeding for both flat sheets and crumpled paper; the latter via a hopper. Users can choose between straight and cross-cut shredding up to security level 4. Total front access allows the unit to fit into a surprisingly small space and it has a 230 litre capacity bin.



Sheet Width:	460mm
Dimensions:	L 740mm x W 765mm x H 1700mm
Electrical:	3 Phase+E+N 400v 50hz 16amp
Shred Type:	Cross cut
Security Din:	3/4
Capacity:	55-60mm C, 29-34 C

EBA 6040

These heavy-duty shredders feature conveyor belt feeding for both flat and crumpled paper. Models are available to take anything from 80 to 160 A4 sheets and the robust cutting mechanism is unaffected by soft metal objects such as ring binders. Features include very high shredding speeds and a design that allows the side tables to be removed when not in use.



Sheet Width:	410mm
Dimensions:	L 690mm x W 1700mm x H 1440mm
Electrical:	3 Phase+E+N 400v 50hz 16amp
Shred Type:	Cross cut/straight
Security Din:	S = 2, C = 3
Capacity:	75-95mm S, 68-78 C

This range of superbly engineered EBA shredders has been carefully selected to provide high-volume users with a choice of models to suit their particular document security needs. There are models suitable

for processing different types of documents, at different speeds and using either straight cut or, for maximum security, cross-cut shredding techniques. Avoiding the security risks associated with

off-site shredding, the EBA range ensures immediate and economical destruction of documents on your own premises. Full range of consumables available.

KB2000S Perfect Binder

A high performance Perfect Binder ideal for digital stocks

The KB 2000S is the updated version of the best selling KB 2000 which it replaces.

It remains the ideal perfect binder for short to medium run lengths and it can be made ready in seconds and without any wastage.

Building on the proven features of its predecessor the KB 2000S includes a more powerful slitting device for better spine preparation and increased glue penetration.

As more paper dust will be created from the new slitting method we have incorporated a vacuum collection system inside the cabinet which is now an integral part of the machine. An additional benefit of having the integral cabinet is the ability to now fix the compressor within it.

The glue drum has also been redesigned on the KB 2000S in order to supply more glue to the spine and therefore to ensure stronger books.

The KB 2000S can successfully bind all types of print and stocks due to the increased spine preparation and the much improved 3 roller glue system.



Pneumatics control the nipping and clamping of the book and side gluing is achieved during the gluing and clamping process.

Documents from 4 sheets up to a maximum of 60mm can be bound. Unusually in a machine of this size the KB 2000S can bind A4 landscape books.

Glue Type:	Hot Melt Adhesive
Speed:	320 books per hour
Dimensions:	L 1350mm x W 500mm x H 1285mm
Electrical:	240v 50/60hz 30amp
Spine Length:	60mm - 310mm
Book Size Min:	165mm (spine) - 115mm
Book Size Min:	310mm (spine) - 320mm
Spine Size:	3 sheets - 60mm

Glue for the KB2000S available from stock.



Morgana Service, Parts & Support

Service

Morgana has always insisted on the very highest standards of customer care.

Services such as free delivery, installation and initial operator training, supported by on-site and workshop warranty provisions ensure that your investment is taken care of right from the start.

Morgana consumables and parts supplies are all of the best quality, with off-the-shelf delivery to keep your investment productive.

To care for your needs on maintenance, H&S inspections and emergency visits, we offer flexible contract and payment options or pay-as-you-go simplicity. 5-Star Cover is standard on all new machines. Please contact the Service Department for more details.

Morgana service engineers are all highly trained professionals who are passionate about getting it right.

With vehicles carrying a wide array of parts, latest mobile technology, route finding and service management software, Morgana expertise is quickly at your disposal nationwide.



The graphic features the Morgana logo (a red 'm' with 'morgana' below it) in the top right corner. The background is a collage of technical drawings and mechanical parts. A central photograph shows a large, modern Morgana building with a parking lot full of cars. Below the photo, the text 'Service Contract' is written in a large, bold font, with the word 'COVER' underneath it, where each letter is a small circle. At the bottom, the website 'www.morgana.co.uk' is displayed.

Parts and Consumables

Morgana has a thriving parts & consumables business.

We carry an extensive stock of parts and consumables for our comprehensive range of machines. Most parts and consumables can be delivered next working day.

To place your parts or consumables order please contact our parts department on 01908 608888 or alternatively you can email us at spares@morgana.co.uk

Morgana Service, Parts & Support

Installation

Our installation team is dedicated to ensuring that your new machine is delivered on time and effectively.

Our uniformed staff drive specialist vehicles to ensure your new equipment travels safely. The vehicles are equipped with satellite navigation, tail lifts and the latest in stair-climbing equipment.

They have vast experience of all types of sites and you can rest assured your new purchase will be up and running in no time at all.

Comprehensive operator training will follow by our installation team and backed up by our team of country wide dedicated engineers.

If you need to relocate your equipment, please give us a call.

We offer a relocation service to ensure your valuable equipment is moved safely with minimal disruption to your business.

A Genuine Commitment to CUSTOMER CARE





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www.morgana.co.uk



finish

number 1 in digital print finishing

The guiding principle for everyone at Morgana is the pursuit of excellence.

This is at the core of everything we do. It is crucial to the way we build relationships with customers and to the way we seek to innovate, improve and to offer the very best products at the best prices.

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*As part of our continued product improvement plan, specifications and information published here are subject to change without notice.

All specifications are dependent on application, type of stock, temperature, RH and print engine used.

Specifications quoted were measured on uncoated and unprinted stock.

E & OE.

