



DocuBind Pro VFX

DocuBind Pro VFX



Product Overview

Mechanical Twin Loop™ wire binding is a hugely popular method of assembling documents where there is a need for a book to lay completely flat or a need for pages to be written on. This style of document binding is widely used for education & training materials, notebooks, and calendar production where customers are more demanding than ever and often there is a need for quick turnaround of the documents.

The **Morgana DocuBind Pro VFX** is an innovative solution for all your mechanical binding needs giving much greater productivity than hand fed manual solutions, and much more flexibility than running inline with your digital print engine – allowing it to continue to print at full production speed.

The key elements of the **DocuBind Pro** are the high speed **Morgana VFX vacuum feeder** running at up to 144 pages per minute, the **StreamPunch VFX** heavy duty punching, creasing and perforation module and the innovative **eWire VFX** twin wire automatic binding solution engineered by GBC.

With its small footprint and wide range of easy to use features, the **DocuBind Pro VFX** will improve your workflow and reduce labour costs for all your mechanical binding applications.

Morgana VFX Vacuum Feeder

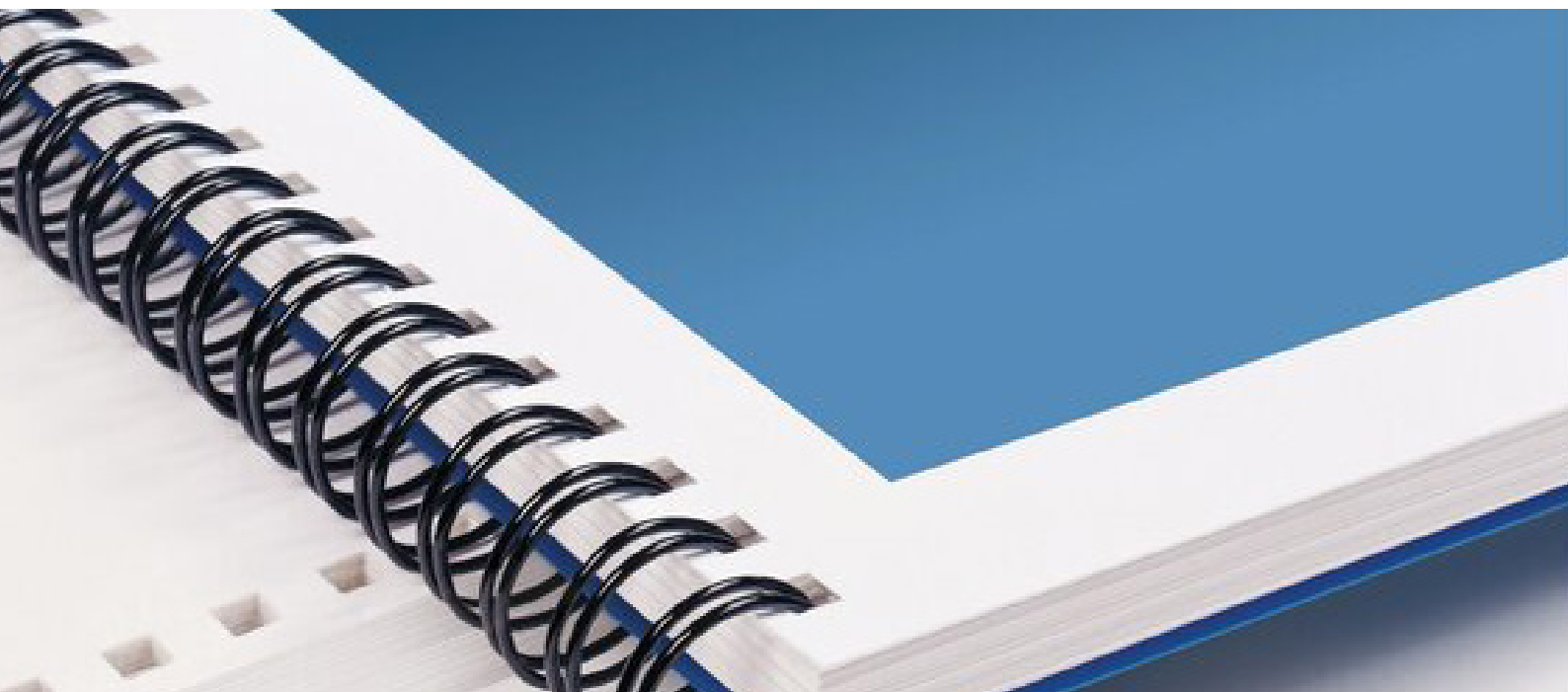
The Morgana VFX Vacuum Feeder is the latest feeder platform from Plockmatic Group. The key design target of the Morgana VFX is increased ease of use for the operator and enhanced feed reliability. It includes numerous patent pending technologies that have been developed to minimize operator setup time and reduce the requirements for exclusively trained operators.

Key features

- Newly engineered feeder platform from Plockmatic Group
- Holds up to 5400 sheets for long uninterrupted runs
- Automatic bin switching where paper can be loaded on the run
- Simple to program and use
- Automated feeding performance across a wide range of media

StreamPunch VFX

The StreamPunch VFX is a fully automatic hole punching unit which utilizes a wide range of die sets for multiple hole types, even for basic creasing or perforation of printed sheets. Pages can be punched to be automatically bound in the eWire system. A bypass through the eWire VFX enables 2-up double punching of sheets minimizing printing time and cost. The dies are heavily engineered for long life and durability. Sheets up to SRA3 can be processed in stock weights up to 300gsm.



DocuBind Pro VFX

New **fully automated** nearline options provide **greater productivity** versus manual production and **greater flexibility** compared to inline workflows.



eWire VFX

The eWire VFX completes the binding process feeding the wire from spools conveniently located inside the main cabinet of the machine. The wire is fed and cut to length for the required document, closed automatically and the finished book is delivered into a catch stacker. Wire is available in 6 different spool sizes for documents up to 10mm thick or approximately 100 pages. The wire is also available in white, black and silver to match the required finish of the document.

Key Applications - Punching & Binding

- Calendars
- Presentations
- Training Materials
- Menus
- Notebooks
- Legal Contracts and Proposals

Target Environments

- In-plant/CRD
- Print-for-Pay
- Commercial Printers



Technical Specifications

Morgana VFX Vacuum Feeder

Speed	Up to 15.000 sheets/h (limited by punch)
Load capacity	Up to 5400 sheets total (80gsm paper)
Structure	Vacuum Feeder with 2 trays
Paper size: min	120x210mm
Paper size: max	356x660mm (SRA3 SEF with StreamPunch)
Paper weight (trays)	75-300gsm plain paper
Stock type	Plain paper, index paper, coated paper, recycled paper, offset paper
Paper curl level: max	7mm (flat curl, measured on a flat surface)
Change paper size	Manual sheet size detection
Paper separation method	Vacuum
Paper transporting order	Top feed
Double feed detection	Optical and ultrasonic sensors in each tray
Max offset paper registration (trays)	± 2mm
Side registration adjustment function	Mechanical side guides, operator setting
Mechanical docking	Plockmatic Group standard docking. PowerSquare standard docking
Temp range	15-32°C
Humidity	30-80% RH
Power source	100-240V +6 -10% (50-60Hz)
Power consumption	Max 650W
Dimensions	L: 107cm; W: 73cm; H: 120cm
Weight	220 kg

StreamPunch VFX

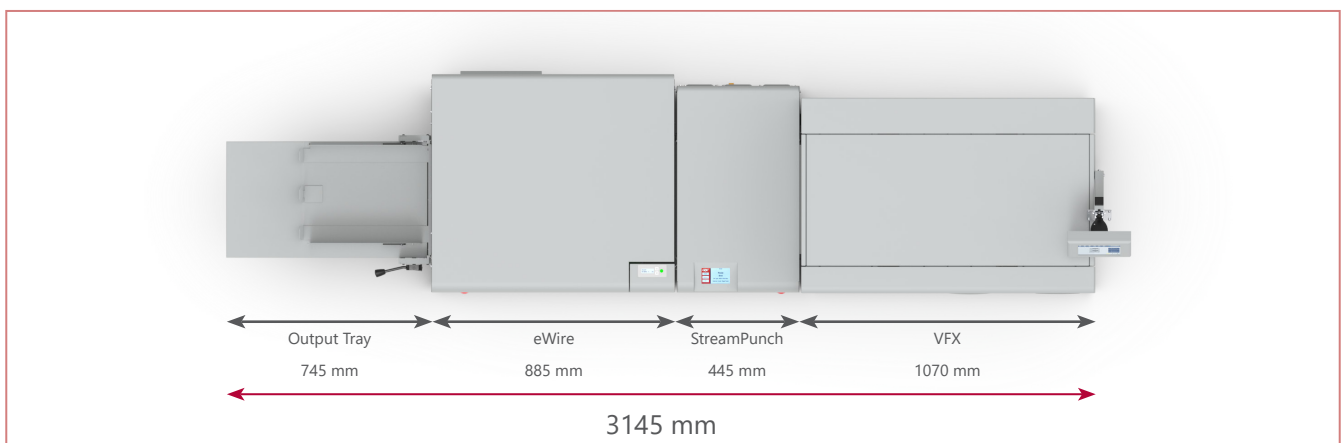
Speed	Up to 144 sheets per minute
Punch sheet size and edge	(LEF- Long Edge Fed SEF- Short Edge Fed)
Paper size: punching	A4 LEF, A4 SEF, SRA4 LEF, SRA4 SEF, A3 SEF, SRA3 SEF
Paper size: double punching	A4 SEF, SRA4 SEF, A3 SEF, SRA3 SEF
Stock type	Plain: 75gsm - 300gsm Coated: 120gsm - 300gsm Clear cover: 7mil
Punch die sets binding types	Plastic comb, Twin Loop™, Color Coil™, Velo®, Loose Leaf, creasing, perforation. See document "DocuBind Pro VFX Punch Die Sets Chart"
Punch capacity	Single sheet
Power source	230V, 50Hz, single phase
Power consumption	230V, 1.9A, 50Hz
Safety certifications	cULus
Dimensions	W: 44,5cm; H: 110cm; D: 73cm
Weight	96 kg

eWire VFX

Paper weight	75 – 300gsm
Supply format	Continuous wire spool with paper carrier
Spool size	W: 6.5"; D:15.4"
Element type	TwinLoop Wire 3:1 pitch (3 holes per inch) Square Hole Pattern: 5mm × 5mm GBC StreamPunch VFX and Die Set for Binder Round Hole Pattern: 5mm diameter
Colors	Black, silver and white
Power consumption	230V, 1.4A, 50Hz
Dimensions	W: 88,5cm; H: 102cm; D: 119cm
Weight	231.5 kg

Quantity per spool: type	Size	LTR book	Sheet capacity	Max doc thickness	Loops per spool
A	6mm (1/4")	522	7 - 30	3mm	16,700
B	8mm (5/16")	325	31 - 50	5mm	10,400
C	10mm (3/8")	256	51 - 60	6mm	8,200
D	11mm (7/16")	184	61 - 70	7mm	5,900
E	13mm (1/2")	136	71 - 80	8mm	4,350
F	14mm (9/16")	100	81 - 100	10mm	3,200

Morgana DocuBind Pro VFX - Machine footprint



Morgana Systems Ltd ▪ Tel: 0800 1381 882 ▪ www.plockmaticgroup.com ▪ email: sales@morgana.co.uk

***Disclaimer** 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.