

# Perfect binder Vareo PRO

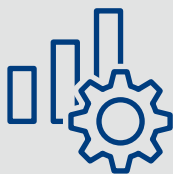


## The all-in-one machine for perfect quality

The Vareo PRO is the ideal perfect binder for print finishing specialists and printing plants that use conventional printing modes or are engaged in digital printing. The three-clamp perfect binder with a mechanical performance of up to 1,350 cycles per hour provides maximum flexibility. Be it for medium, short or ultra-short runs, right down to runs of one copy, the Vareo PRO is an all-rounder for high-quality results, regard-less of whether brochures are produced using offset or digital printing. The flexible equipment of the Vareo PRO enables diverse applications. Photo books, personalized catalogs and high-quality brochures can be produced cost-effectively thanks to short setup and production times, which are indispensable for ultra-short and one-copy runs. This allows you to produce high-quality books within a short period of time, with the very first book having first-class quality. In addition, the Vareo PRO has a modular design, which means that the machine can be easily extended and adapted to meet future production requirements.



### HIGHLIGHTS



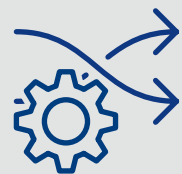
#### Productivity

Fastest, most productive and innovative perfect binder within his class because of individual drive technology



#### Top Quality

PUR application including glue recognition system and cover or mull stripe for perfect bound books



#### Full-flexibility

Ideal perfect binder – for Digital and Offset printed products

Your **strong partner.**

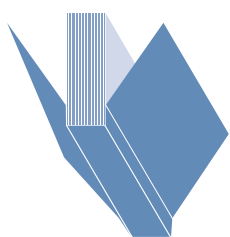
**MÜLLER MARTINI**

## TECHNICAL DATA

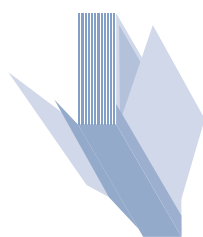
Machine speed*	Mechanical		1 350 cycles/h	
	Output in edition mode	max.	1 100 Ex./h	
	Output in single book mode (with 5mm variance from book to book; e.g. 5 - 10 - 5 - 10 mm...)	max.	850 Ex./h	
	Clamps		3	
Book block size	Height	min.	105 mm (4 1⁄8")	
		max.	360 mm (14 3⁄16")	
	Width	min.	105 mm (4 1⁄8")	
		max.	330 mm (13")	
	Thickness	min.	1,5 mm (0 1⁄16")	
		max.	60 mm (2 3⁄8")	
Grammage	Body paper	min.	60 gsm	
		max.	170 gsm	
Cover size	Height	min.	105 mm (4 1⁄8")	
		max.	370 mm (14 9⁄16")	
	Width	min.	212 mm (8 3⁄8")	
		max.	720 mm (28 3⁄8")	
	Grammage	Cover paper	min.	80 gsm
			max.	350 gsm
Spine preparation station	Milling depth	min.	0 mm (0")	
		max.	4 mm (0 3⁄16")	
Vertical cover feeder	Pile height	max.	150 mm (5 15⁄16") (depending on material)	
	Scoring		2 or 4 line scoring (0-2-4-6-8-10 mm adjustable as distance between spine and hinge scoring line)	

\* The maximum possible net output depends on several parameters. The characteristics of the paper being processed – such as the paper texture, the grammage, the folding quality, the electrostatic behavior and the size – affect product processing as do environmental factors, the expertise of the machine operator, etc.

## PRODUCTS



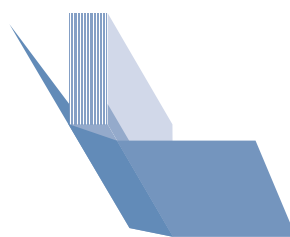
Softcover  
book



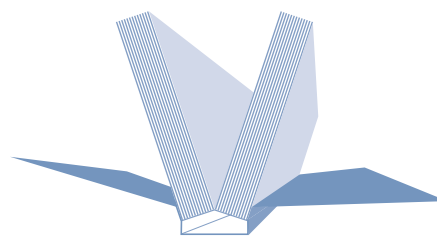
Hardcover  
book block



Flex  
brochures



Lay flat brochures  
Swiss



Lay flat brochures  
Otobind

## BARCODE DATA

The following parameters can be encrypted in the barcode

Product-ID

Product type (SC/HC)

Book block thickness

Book block height

Supported barcode type

1D Barcodes (Code 128, Code 39 und EAN)

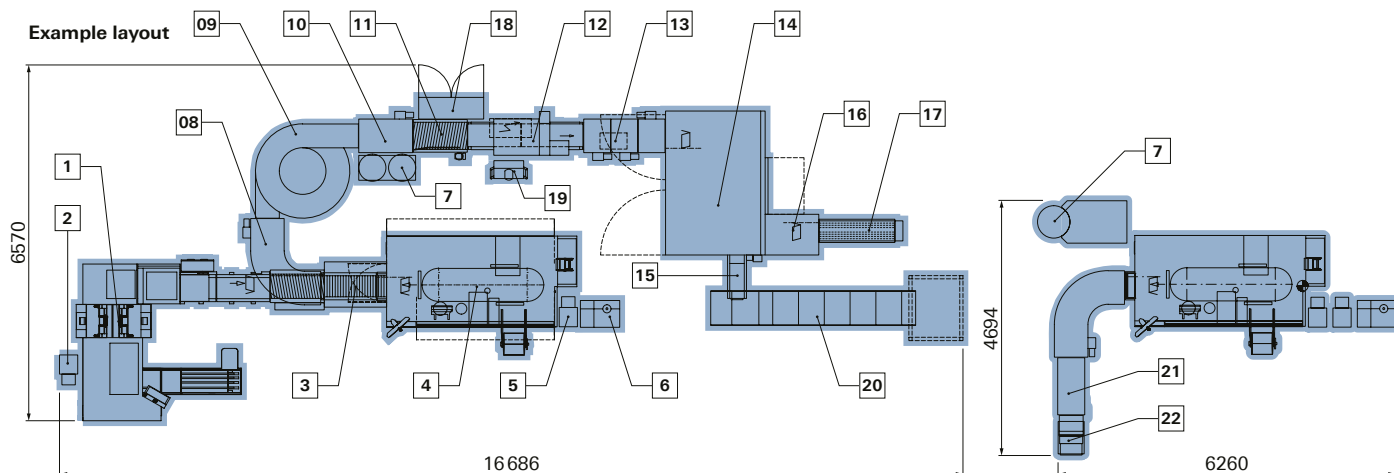
2D Barcodes (DataMatrix and QR Code)

## CONFIGURATIONS AND OPTIONS

<b>Configurations</b>	Stand alone
	Inline via book block feeding device with the Endsheets tipper VBA 3683 and downstream with a customer specific cooling line into the InfiniTrim or Granit three knife trimmer
<b>Optional features</b>	Automatic book block feeder
	Thickness measuring device / Format size measuring device
	Book hang-out adjustment
	Barcode matching between content and cover
	Hotmelt roller system, interchangeable via trolley
	PUR nozzle system, interchangeable via trolley
	Glue application control for PUR nozzle system
	Different premelter sizes
	Cross feed mull station
	Divers HC capabilities like interchangeable side gluing discs or interchangeable side pressing bars
	Flap scoring device / Layflat kit (six line scoring)
	One-bin stacker

## LAYOUT

- |   |                                   |  |  |
|---|-----------------------------------|--|--|
| 1 Endsheets tipper                        | 5 Premelter for Hotmelt side glue | 11 Align conveyor                            | 16 Standard delivery belt              |
| 2 Premelter Hotmelt for endsheets tipper  | 6 Premelter for PUR spine glue    | 12 Scan and Print device                     | 17 Roller table stationary             |
| 3 Automatically book block feeding device | 7 Chip suction device             | 13 Timing conveyor 3WP                       | 18 Control cabinet for conveyor belt   |
| 4 Perfect binder Vareo PRO                | 8 Curved conveyor 90°             | 14 Three knife trimmer InfiniTrim            | 19 Touch screen for conveyor control   |
|   | 9 Cooling tower                   | 15 Trim waste removal – with bend at the top | 20 Trim waste removal belt to the left |
|   | 10 Linear conveyor wide           |  | 21 Elevator belt                       |
|   |                                   |  | 22 One-bin stacker                     |



Inline with endsheet tipper and InfiniTrim

Stand alone

## UTILITY REQUIREMENTS

<b>Electrical</b>	<b>EVA Hotmelt</b>	400 V ± 5%, 50/60 Hz, 3 Phase +N +PE / 32 A / 8,5 kW
	<b>PUR or EVA / PUR exchangeable</b>	400 V ± 5%, 50/60 Hz, 3 Phase +N +PE / 40 A / 15 kW
	<b>All other network types needs transformer</b>	
<b>Pneumatical</b>	<b>Machine's working pressure</b>	6 bar
	<b>Air consumption</b>	510 Norm litre per minute (free from oil and water)
	<b>External diameter of air inlet fitting for compressed air</b>	12 mm
<b>Dimensions and weights</b>	<b>Length x width x height</b>	3.781 x 1.677 x 1.580 mm
	<b>Weight basic machine</b>	2.200 kg
	<b>Subject to dimensional, construction and equipment changes</b>	

## AMBIENT CONDITIONS

<b>Temperature</b>	<b>Ambient temperature</b>	<b>Condition</b>	<b>Temperature range</b>
	Operation*		+ 5 to + 35 [°C]
	Storage   transport	Long-term Short-term < 24 [h]	- 25 to + 55 [°C] - 25 to + 70 [°C]
	Suggested operating range		+ 18 to + 23 [°C]*
<b>Air Humidity</b>	<b>Relative Humidity</b>	<b>Condition</b>	<b>Humidity Range</b>
	Non-condensing	max + 35 [°C]	max 50 %
	Higher relative humidity is acceptable only at lower temperatures	For example, at 20 [°C]	max 90 %
	Suggested operating range		40 to 50 %

\* Production environment must be air-conditioned, temperature and air humidity. Cooling equipment is required for temperatures of + 35 [°C] and higher.

### Connex

Networking processes, connecting systems, showing production states, integrating machines in business processes – the Connex workflow solution is the answer to new requirements in a Smart Factory. Utilizing a modular system of standard modules allows highly customized applications, optimized for individual purpose.

### Connex. Info

Dynamic production planning and continuous process optimization for shortest throughput times requires realtime production data of the shop floor. Connex.Info collects and visualizes machine states, production performance and job progress and forwards essential information to management information systems using standard interfaces.

### Connex LineControl

Shorter job run lengths and an increasing number of jobs necessitate electronic support of the classic slip sheet. Connex LineControl interconnects production equipment with higher-level systems via standard interfaces and enables automatic presetting of the machines based on digital Job tickets. Minimizing manual data input saves time and reduces sources of errors, what significantly increases overall production performance.

## MM SERVICES



#### MM STARTUP

- Project management – comprehensive consultation for all needs
- Installation and commissioning – for a high level of process reliability right
- Machine relocations



#### MM SUPPORT

- Telephone support – 24/7 access to our technical hotline and spare parts
- Repair service – carried out professionally
- Remote services – efficient online troubleshooting



#### MM PARTS

- Spare parts – high availability at your local service center and quick access to all Muller Martini spare parts in the plants



#### MM INSPECT

- Inspection – comprehensive analysis and extensive function testing
- Maintenance – regular, proactive maintenance pays off



#### MM IMPROVE

- Training – professional training at the Muller Martini training centers
- Production support – consultation on efficiency-enhancing programs



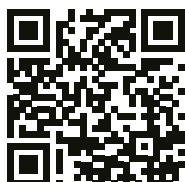
#### MM UPTODATE

- Updates – long-lasting efficiency and productivity
- Retrofits and extensions – to keep you competitive



#### MM SELECT

- Customized service contracts – efficient life cycle management to ensure the high reliability and uptime of your equipment



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