

FOLDER-GLUER



80

110

THE NUMBER 1

IN QUALITY
IN PRODUCTIVITY
IN FLEXIBILITY
IN RELIABILITY
IN SERVICE



BEING NUMBER 1 IS A MATTER OF FACT

Mistral Folder-Gluer... The Number 1

Number 1 in Quality

Quality: a global concept – A total evaluation by Bobst. The Mistral is a folder-gluer built to the highest standard and incorporates cutting edge technical solutions aimed at assuring unequalled quality of the folded and glued boxes.

Number 1 in Productivity

The length of the pre-folding and folding section, the best in its range, allows a smooth folding process and significantly increases the productivity of the machine with all box styles. Modular crash lock unit, 4/6 corner device installed on tilting frames and universal folding devices for special applications, in addition to the peripheral equipment which will complement the machine. These are just a few features which make the Mistral No 1 in productivity.

Number 1 in User Friendliness & Flexibility

Easy access throughout the machine, unparallel visibility from the feeder, cutting edge technical solutions aimed at reducing make ready time to a minimum, combined with ergonomics which makes the operator's work more comfortable. These were the goals of Bobst engineers while designing the Mistral range of folder-gluer and as you will soon discover they were entirely met.

Number 1 in Reliability

For well over half a century Bobst has stood for innovation and reliability in folding and gluing machines. The Mistral range of folder-gluer is the outcome of a project where nothing was taken for granted. All details were carefully studied, evaluated, realised and tested first separately than together. The result is a machine which not only meets the expectations of all customers but a machine that you can trust 100%.

Number 1 in Service

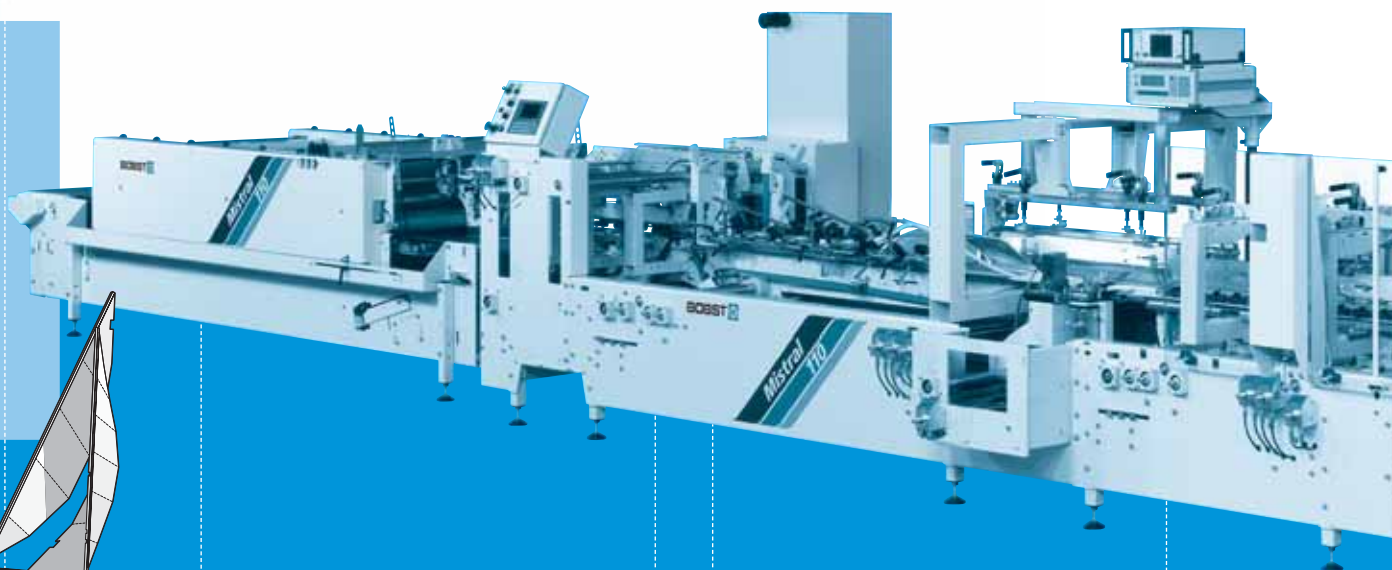
For Bobst, service does not simply refer to the quick supply of spare parts, instead it is continuous commitment to provide you with the best possible support and back-up.

Fully qualified Bobst Field Service technicians, Product Process Specialists, Machine Instructors and a complete program of modular training courses are at your full disposal to help you get the best out of your new Mistral at any time with any kind of box.

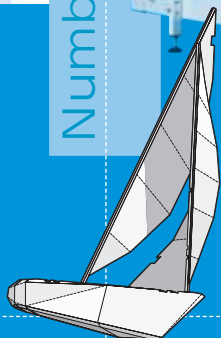
Mistral is Number 1

Mistral is the winner in folding and gluing. The unequalled quality of its design and of the technical solutions aimed at assuring a 100% quality of the folded and glued boxes; its constant high productivity both with conventional and special box styles; the combination of cutting edge technology, ergonomics and experience in the field, bring to the market a machine offering flexibility and user friendliness as no other before. A comprehensive program of research and development is the Bobst assurance of total reliability supported by the quality of the Bobst Direct Service throughout the world.

These are the key factors which make the Mistral Folder-Gluer... The **Number 1**



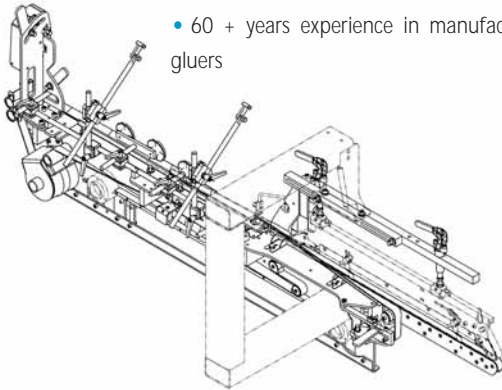
Number



Value is a matter of opinion.

Opinion is a matter of fact.

Bobst Fact:



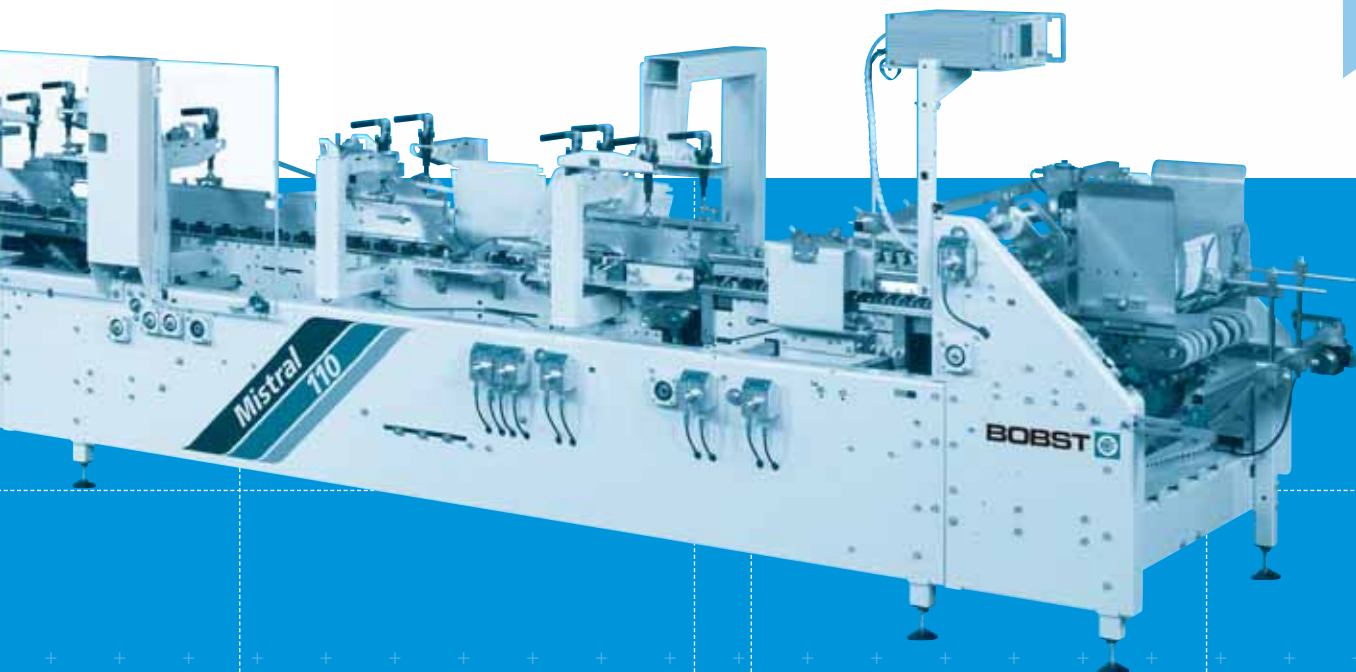
- 60 + years experience in manufacturing folder-gluer

- A market organisation with a great number of sites enables Bobst to provide a quality service.

- A well trained sales force, who not only know the machinery, but are aware of your needs and your goals, and can follow step by step the purchase process providing quality information and helping you choose the right machine with the right specification to meet present and future production needs.

- A continuous commitment to invest in R&D to design new machinery and new technical solutions which constantly raise the bar of what you can ask of a folder-gluer.

- We're close to you - our worldwide market organisation enables us to provide a quality pre and post-sales service.



Mistral Folder-Gluer... The Number 1

Number

A folder-gluer built to the highest standard

Quality: **Mistral is Number 1**

An innovative look which brings to light all the cutting edge technical solutions of the machine:

Side frames. Rigid and strong to bring vibration down to zero.

Mistral features a new drive using "Poly V" belts. These match the quality and reliability of existing belts, yet reduce noise to a minimum, improving the environment around the machine.

Brand new upper carriers.

Made in aluminium, they offer the operator an easily positionable system due to weight saving technology. They also assure zero vibration and therefore precise drive of the blanks through the machine.

Cutting edge belt guides assure perfect alignment of the belts at all times and increase the belts' life at the same time (reduced maintenance cost).

Quality of the output:

Mistral is Number 1

State of the art technical solutions assure an unequalled quality of the folded and glued boxes.

Accufeed. This cutting edge technical solution comes standard with the Mistral range of folder-gluer. It is composed of a feeding section and a blank alignment section which assures a perfect alignment of all blanks in any style and shape both in solid and corrugated board.

Modular crash lock unit. Installed between the pre-

folding and the folding section, it allows the production of crash lock style boxes without compromising the pre-folding of the third crease.

4/6 corner device.

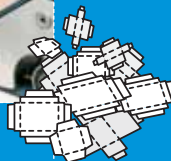
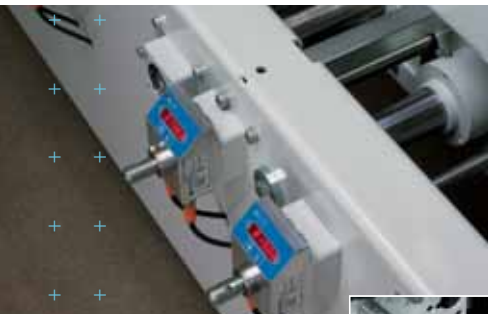
Driven by high quality motors this device is mounted on an adjustable tilt frame and is set directly through the C.U.B.E. This ensures an unmatched precision, consistency and therefore quality of the back folding process at high speeds.

Pre-folding and folding section.

Increased in length, the pre-folding and folding sections ensure smooth and precise folding at high speeds. The 25 mm upper and lower belts (43 mm on the lower left carrier in the pre-folding section) allow pre-folding of the glue flap directly on the belt and give complete control of the boxes during pre-folding and folding.

Quality control.

A box following device developed by Bobst, installed into the C.U.B.E. and supplied together with the flipper ejector guarantees 100% that all styles of faulty boxes (wrong code, wrong quantity of glue, etc.) are ejected from the machine. The box following device can be interfaced with all quality control equipment available in the market.



HIGHPRODUCTIVITY

A folder-gluer built for the highest productivity

Productivity: **Mistral is Number 1**

With the addition of Bobst peripheral equipment (Easyfeeder II, Batch Inverter, Cartonpack II or Handypack) the Mistral range of folder-gluers can process straight line boxes at a belt speed up to 400 metres per minute.

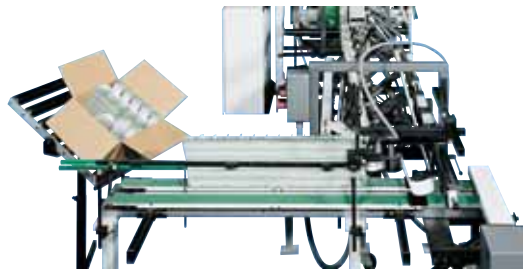
Crash lock boxes, thanks to the modularity of the device, can be produced at high speed with the pre-folding of the 1st and the 3rd crease.

4/6 corner boxes can be processed at 25,000 P/H with a consistent quality of the output thanks to the innovative device installed on tilting frames which assures 100% accurate back folding at high speed.

Best in productivity also with special styles such as boxes requiring a Z fold or partition boxes. Bobst R&D has developed a full set of easy to install Universal folding devices that can improve the productivity of special boxes up to 4 times compared to conventional devices.



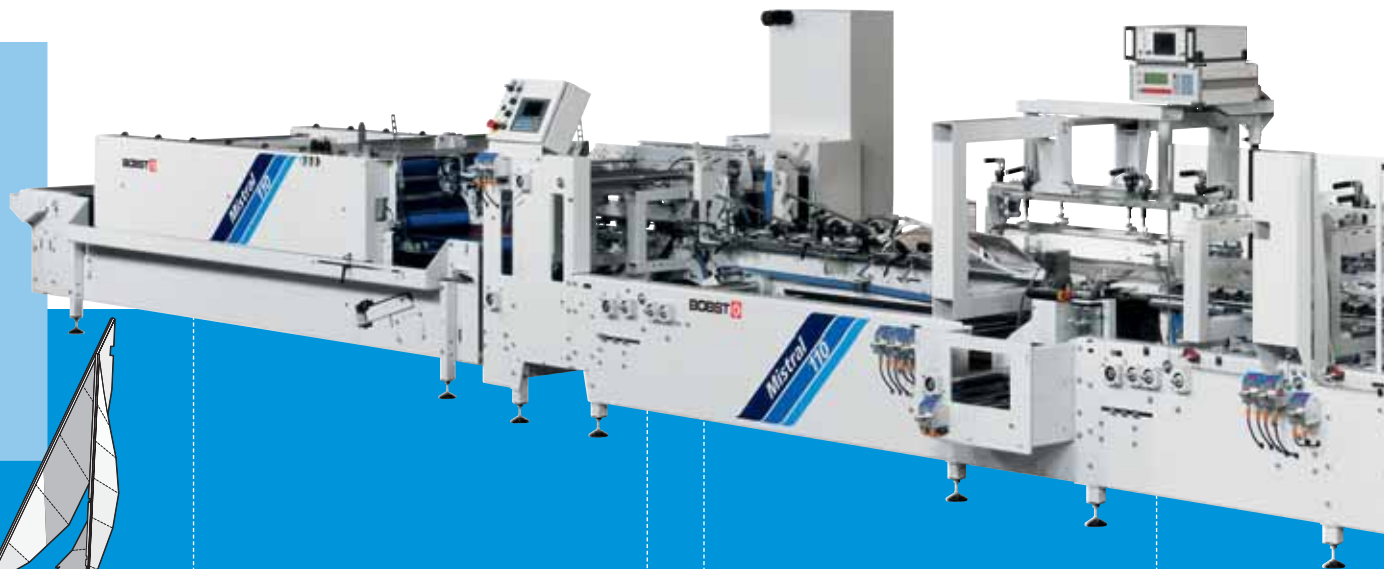
Cartonpack II



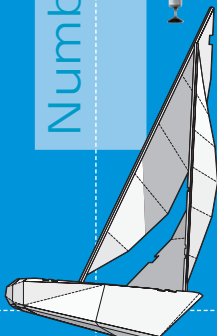
Handypack



Easyfeeder II - Batch Inverter



Number



A folder-gluer built for the highest flexibility

Flexibility & User Friendliness:

Mistral is Number 1

Feeder. Combines 1st class ergonomics with simple and fast setting.

4/6 corner. The setting is fast and easy, the calcula-



tion of the setting data is done through the C.U.B.E.

Universal folding devices. Engineered by Bobst R&D, they can be installed in the different sections of the machine in a matter of seconds and can be customised to meet all specific production requirements.

Upper carriers. Made in sturdy and lightweight aluminium, these are easy to position and allow multiple, easy and fast setting to meet all production requirements: a perfect combination of flexibility and user friendliness.



Universal tool. One single tool to set the machine (Belt tensioning also).

Mobile control. It can be used by the operator throughout the different sections of the machine. It hand-

les all machine functions. Simplifies and speeds up setting operations.



C.U.B.E. (Control Unit Bobst Electronic). Developed by Bobst the C.U.B.E. is the Mistral's man-machine interface. Easy and intuitive to use, the C.U.B.E. allows the operator to set and check all production data.



Computer set (CS) and computer set motorised (CSM). This innovative system developed by Bobst makes the positioning of

the carriers as easy as it possibly could be. The device consists of a special software installed in the C.U.B.E., a set of digital positioning indicators (CS) and a set of motors (CSM). Once the size of the boxes to process is set into the C.U.B.E. the CS System automatically calculates the position of the carriers and the only operation left for the operator is to manually (CS) or by means of a motor (CSM) move each carrier in a given direction according to the indication displayed by the digital indicators. All different jobs can be memorised into the CS System.

Special configuration. If needed additional modular units can be installed or retro-fitted to the machine to make it even more flexible and versatile.



A folder-gluer built for the highest reliability and service

Reliability: Mistral is Number 1

All materials used in the Mistral have been carefully selected after extensive durability and rigidity tests.



Suppliers have been selected based upon high standard quality criteria set by Bobst and by their international presence. All their products are rigorously tested. This is an additional guarantee to all our customers wherever they are.

5 different prototypes were made to test all new technical solutions before their industrialisation. One prototype has undergone a duration test of 3000 hours in an artificial environment at a temperature of 45° C. (113°F).



Another prototype has undergone a 3 month test in a real production environment.

The C.U.B.E. and all main electronic functions are developed by Bobst. Parts and back up are guaranteed throughout the life of the machine.

Service: Mistral is Number 1

A complete range of spare parts is available locally through Bobst local market organisations around the world.



Fully qualified field technicians are available from our local affiliates to provide a first class service in time and in respect of your needs, practices and language. Bobst offers a full range of services designed to help you develop your business, conquer new markets and reduce your costs by

improving the performance of your equipment. **Training courses.** Bobst has put in place a full



range of training courses which take place in our training centres around the world and a program of «On site courses»: a modular training program which enable Bobst to tailor the courses to your specific needs and give you an immediate benefit from the time invested in employees.

HIGHRELIABILITY

Number



HIGHSERVICE

Number



FOLDER-GLUER



GENERAL DATA

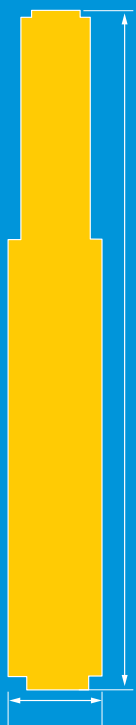
Convertible stock

Solid board	800 g/m ²	164 lbs/msf
Corrugated	N, F, E	
Thickness of folded box, max.	12 mm	15/32"

Drive system

Inching speed	20 m/min	64 ft/min
Operating speed adjustable from	20-400 m/min	64-1313 ft/min
Main motor	7.5 kW	
Connected load	60 kVA	
Voltages	By specification	

Dimensions

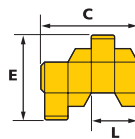


A 1: 12.3 m 40.3 ft
A 2: 13.8 m 45.3 ft

80: 2020 mm 79 1/2"
110: 2320 mm 91 3/8"

BOX SIZES (mm and inches)

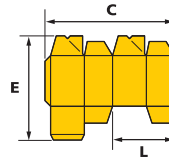
Straight line boxes
(Standard folding section)



With minimum folding device G-1

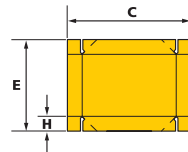
	80				110			
	mm		Inch		mm		Inch	
	max	min	max	min	max	min	max	min
C	800	126	31 1/2"	4 31/32"	1100	126	43 5/16"	4 31/32"
E	800	60	31 1/2"	2 3/8"	800	60	31 1/2"	2 3/8"
L	385	60	15 5/32"	2 3/8"	535	60	21"	2 3/8"
C		76		3"		76		3"
L		35		1 3/8"		35		1 3/8"

Crash-lock bottom boxes



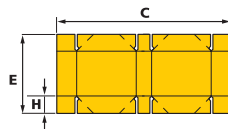
	80				110			
	mm		Inch		mm		Inch	
	max	min	max	min	max	min	max	min
C	800	146	31 1/2"	5 3/4"	1100	146	43 5/16"	5 3/4"
E	800		31 1/2"		800		31 1/2"	
L	385	70	15 5/32"	2 3/4"	535	70	21"	2 3/4"

4-corner boxes

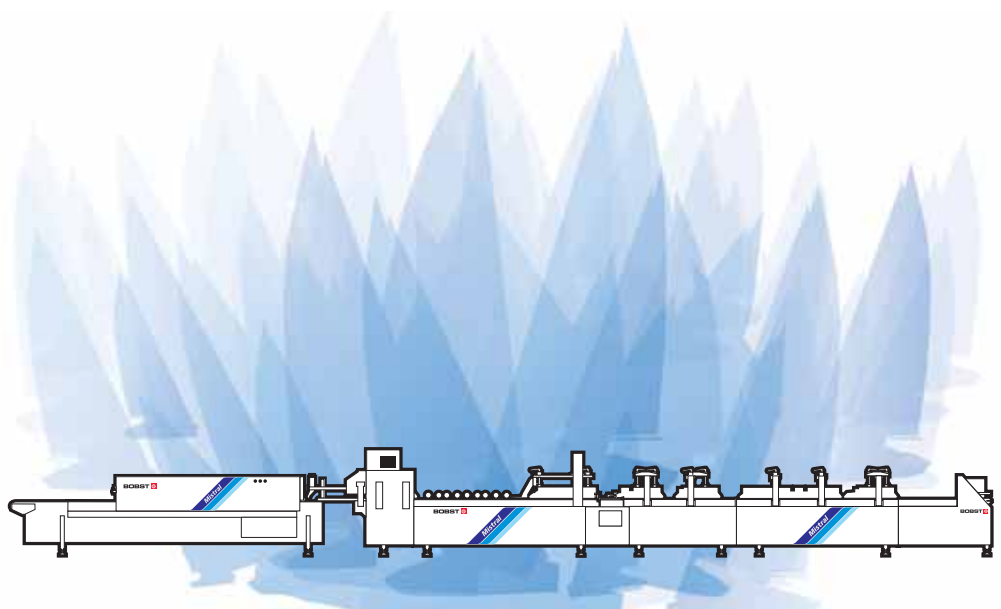


	80				110			
	mm		Inch		mm		Inch	
	max	min	max	min	max	min	max	min
C	800	120	31 1/2"	4 23/32"	1100	120	43 5/16"	4 23/32"
E	800	130	31 1/2"	5 1/8"	800	130	31 1/2"	5 1/8"
H	150	20	5 29/32"	25/32"	150	20	5 29/32"	25/32"

6-corner boxes



	80				110			
	mm		Inch		mm		Inch	
	max	min	max	min	max	min	max	min
C	800	250	31 1/2"	9 7/8"	1100	250	43 5/16"	9 7/8"
E	800	130	31 1/2"	5 1/8"	800	130	31 1/2"	5 1/8"
H	114	30	4 1/2"	1 3/16"	150	30	5 29/32"	1 3/16"



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