

WB-500

Professional Line

Semiautomatic binding machine

WB-500 is the new binding concept from Rilecart.

The complete and versatile machine for digital printers and small binderies, as well as for today's flexibility requirements of sized industrial binderies and offset printers.

- Immediate set up in size changes thanks to touch screen
- hanger feeder option and suitable working depth for calendar binding.
- Italian manufacturing for highest robustness and reliability.
- No need for specific closing tools.



Semiautomatic binding machine



Touch screen



Quick and easy pitch change

Automatically adjustable
closing pressIntegrated spool unwinder
and paper winder

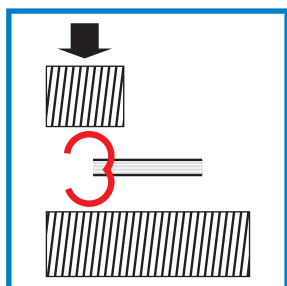
HOW IT WORKS

The operator sets the pitch, diameter, number of loops per piece and length to be bound in the computer. The machine automatically unwinds the spool, cuts the length to the set number of loops and carries it to the binding position. The operator then inserts the pre-punched block of sheets onto the waiting open wire comb. Once inserted, he has only to push the footswitch and the book is automatically carried to the closing press, where it is automatically closed and ejected in to the box. There are no tools to change as the closing press is automatically adjustable for all the diameters and sizes.

FEATURES

- Uses wires on spools.
- For 3:1" and 2:1" pitch from 1/4" to 1-1/4".
- Maximum binding length: 500 mm.
- Minimum binding length: 50 mm.
- Maximum speed: 1100 cycles per hour. Effective speed depends on operator's ability and on the item to be bound.
- Optional hanger feeder for 10 to 30 cm calendar hangers
- Remote assistance module

BINDING SYSTEM



TECHNICAL SPECIFICATIONS



220 V single phase 50/60 Hz; 1,5 Kw



H 1715 x D 1100 x L 2623 mm.



400 Kg

	 Ø inch	 Ø mm	 mm	 a x b mm	 Ø mm
PITCH	DIAMETER	DIAMETER	BIND THICK		
3:1"	1/4"	6,3	5,6	4x3	3,5
	5/16"	7,9	7	4x3,7	4
	3/8"	9,5	8,8		
	7/16"	11	10,2		
	1/2"	12,7	12	4x5	5
	9/16"	14,3	13,2		
2:1"	9/16"	14,3	13,2	4,7x5	6
	5/8"	16	15		
	3/4"	19	18		
	7/8"	22,2	20,5	6x6	7
	1"	25,4	24		
	1-1/8"	28,5	25		
	1-1/4"	31,7	28		

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R-500 T.S.

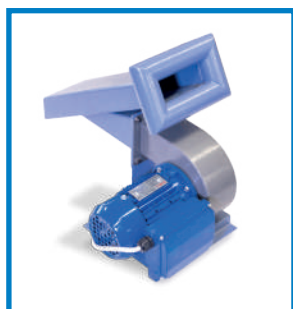
Professional Line

Semiautomatic binding machine

Our “Best Seller” product. Perhaps our most famous and simplest semiautomatic machine. Perfect for binding calendars and catalogues. Easy to use, easy to maintain and exceptionally sturdy. It's particularly high precision binding with small diameters allows a perfect finish with the thinnest products. Equipped with the new touch screen control system.



Semiautomatic binding machine



Optional paper aspirator



Hangers-forming and feeder for 100-300 mm. hangers

HOW IT WORKS

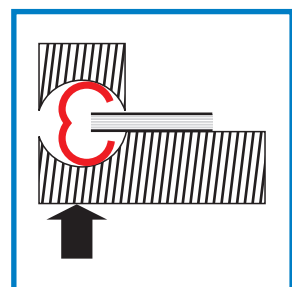
The operator inputs in the computer diameter, pitch and wished number of loops per length. Then lays down the pre-punched product onto the worktable and press the foot pedal. The machine automatically unwinds the spool, cuts the wire and carries each length into the binding tool. The clamp on the worktable locks the product with the punched edge towards the spiral. The table forwards the product into binding position and the product is then bound by mean of a closing tool that can be quickly interchanged when changing spiral diameter. During closing operation also the hanger can be inserted. The R-500 can mount either the semiautomatic 100-300 mm. hanger distributor.

It is now available also the automatic hanger former for straight hangers, that allows to save a remarkable amount of time wasted in the hand operations of setting the hangers correctly on the semiautomatic hanger feeder.

BINDING SYSTEM



Optional spool unwinder with paper winder



FEATURES

- Uses wires on spools 3:1", 2:1" or 4:1" pitch.
- Great flexibility, 7 different wire diameters can be used from 3/16" up to 9/16" with appropriate Size-Tool-Sets.
- Maximum binding length is 500 mm., minimum 50 mm.
- Maximum binding thickness is 11,5 mm. of prepunched sheets.
- Can bind one length of wire, or two identical for wall calendars, or up to ten for skip-binding.
- Microprocessor controlled with touch screen.
- The machine operates electrically and pneumatically and must be connected to a compressed air supply.
- Machine speed is over 1500 cycle per hour. Effective productivity depends on operator skill and on the products' features.

OPTIONALS

- Hanger feeder for 100-300 mm. hangers.
- Hanger former 100-300 mm. for straight hangers.
- Paper aspirator.
- Remote assistance module.

TECHNICAL SPECIFICATIONS



220 V single phase 50/60 Hz; 2 Kw



6 Atm - 150 lt/min.



H 1400 x D 700 x L 2200 mm.



485 Kg

	 Ø inch	 Ø mm	 mm	 a x b	 Ø	 a
PITCH	DIAMETER	DIAMETER	BIND THICK	axb mm	Ø mm	a mm
4:1"	3/16" 1/4"	4,7 6,3	3,5 4,8	3,3x2,5	3	2
3:1"	3/16" 1/4"	4,7 6,3	3,5 4,8	4x3	3,5	2
	5/16" 3/8" 7/16"	7,9 9,5 11	6,3 8 9,5	4x3,7	4	3
	1/2" 9/16"	12,7 14,3	10,5 11,5	4x5	5	4
2:1"	9/16"	14,3	11,5	5x4,7	6	4

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R-520 T.S.

Professional Line

Semiautomatic calendar binding machine

Evolution of our "Best Seller" product R-500. Perfect for binding calendars and catalogues up to 1".

Easy to use, easy to maintain and exceptionally sturdy. Equipped with the new touch screen control system.

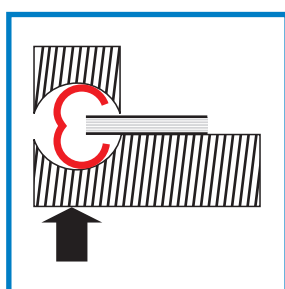


Semiautomatic Calendar Binding Machine



Hangers-forming and feeder
for 100-300 mm. hangers.

BINDING SYSTEM



TECHNICAL SPECIFICATIONS



220 V single phase 50/60 Hz; 2 Kw



6 Atm – 150 lt/min.



H 1200 x D 800 x L 2600 mm.



510 Kg

HOW IT WORKS

The operator inputs in the computer diameter, pitch and wished number of loops per length. Then lays down the pre-punched product onto the worktable and press the foot pedal. The machine automatically unwinds the spool, cuts the wire and carries each length into the binding tool. The clamp on the worktable locks the product with the punched edge towards the spiral. The table forwards the product into binding position and the product is then bound by mean of a closing tool that can be quickly interchanged when changing spiral diameter. During closing operation also the hanger can be inserted. The R-520 T.S. can mount either semiautomatic 100-300 mm. hanger feeder with the hanger former for straight hangers, that allows to save remarkable amount of time wasted in the hand operations of setting the hangers correctly on the semiautomatic hanger feeder.

FEATURES

- Uses wires on spools 3:1", 4:1" or 2:1" pitch.
- Great flexibility, 11 different wire diameters can be used from 3/16" up to 1" with appropriate Size-Tool-Sets.
- Maximum binding length is 520 mm., minimum 50 mm.
- Maximum binding thickness is 21 mm. of pre-punched sheets.
- Can bind one length of wire, or two identical wire for wall calendars, or up to ten for skip binding.
- Microprocessor controlled with touch screen.
- The machine operates electrically and pneumatically and must be connected to a compressed air supply.
- Machine speed is up to 1200 cycles per hour. Effective productivity depends on operator skill and on the products' features.

OPTIONALS

- Hanger feeder for 100-300 mm. hangers.
- Hanger former 100-300 mm. for straight hangers.
- Remote assistance module.

	 Ø inch	 Ø mm	 mm	 a x b	 Ø	 a
PITCH	DIAMETER	DIAMETER	BIND THICK	axb mm	Ø mm	a mm
4:1"	3/16" 1/4"	4,7 6,3	3,5 4,8	3,3x2,5	3	2
3:1"	3/16" 1/4"	4,7 6,3	3,5 4,8	4x3	3,5	2
	5/16" 3/8" 7/16"	7,9 9,5 11	6,3 8 9,5	4x3,7	4	3
	1/2" 9/16"	12,7 14,3	10,5 11,5	4x5	5	4
2:1"	9/16" 5/8" 3/4" 7/8" 1"	14,3 16 19 22 25,5	11,5 13 15 17 19	5x4,7	6	4
				6x6	7	5

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R-800 T.S.

Professional Line

Semiautomatic large calendars binding machine

This is the only semiautomatic machine in the world specifically built for binding the biggest calendars and planners up to 800 mm. in length.

This specialist calendar machine allows the operator to achieve top levels of productivity with difficult products. Tool that are easy to change allow quick turn around times.



Semiautomatic large calendars binding machine

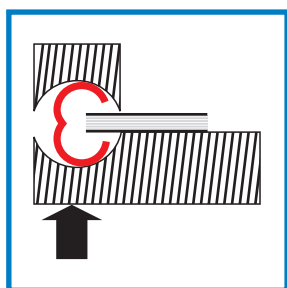


Vibrating feeder
for 70 mm. hangers



Feeder for
100 to 450 mm. hangers

BINDING SYSTEM



TECHNICAL SPECIFICATIONS



220 V single-phase 50/60 Hz; 2 Kw



6 Atm - 200 lt/min.



H 1500 x D 1000 x L 2700 mm. (Unwinder included)



600 Kg (Unwinder included)

HOW IT WORKS

The operator inputs the required diameter, pitch, number of loops per length and amount of lengths into the computer. The machine automatically unwinds the spool, counts and cuts the wire and carries the lengths to the binding area. The operator puts the pre-punched calendar (or other product) onto the table and presses the footswitch. The table collects the calendar by means of a bar and carries it to the binding station, where the spiral is inserted and closed by means of a shaped tool (each diameter has its own specific tool). During this operation a hanger can be optionally, automatically inserted. With narrow diameters (3/16" and 1/4") it is possible to lock the table and locate the product directly into its binding position. All the operations are controlled by a microprocessor with a memory of up to 50 working sequences. During operation, every phase is displayed on the screen.

FEATURES

- Uses wires on spools with diameters from 3/16" to 9/16" in pitches 3:1", 2:1" and 4:1" for maximum binding thickness of 11,5 mm. (check thickness table).
- Maximum binding lengths: 800 x 1000 mm. (32 x 40 inches).
- Minimum binding lengths: 100 x 80 mm. (4 x 3 inches).
- Specific tools for each diameter.
- Max speed: 1000 cycles per hour. Effective speed depends on operator's skill and features of product to be bound.
- Programmed binding for one length, two identical wire for wall calendars, or "skips" up to five lengths.
- The machine operates electrically and pneumatically and must be connected to a compressed air supply.
- Special side lay to facilitate the binding of books with overhanging cover.

OPTIONALS

- Automatic hanger feeder 70 mm.
- Semiautomatic hanger feeder 100-450 mm.
- Double automatic hanger feeder 70 mm.
- Hanger Former 100-450 mm.
- Remote assistance module.

	 Ø inch	 Ø mm	 mm	 a x b mm	 Ø mm	 a mm
PITCH	DIAMETER	DIAMETER	BIND THICK			
4:1"	3/16" 1/4"	4,7 6,3	3,5 4,8	3,3x2,5	3	2
3:1"	3/16" 1/4"	4,7 6,3	3,5 4,8	4x3	3,5	2
	5/16" 3/8" 7/16"	7,9 9,5 11	6,3 8 9,5	4x3,7	4	3
	1/2" 9/16"	12,7 14,3	10,5 11,5	4x5	5	4
2:1"	9/16"	14,3	11,5	5x4,7	6	4

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F-500 E.S.

Professional Line

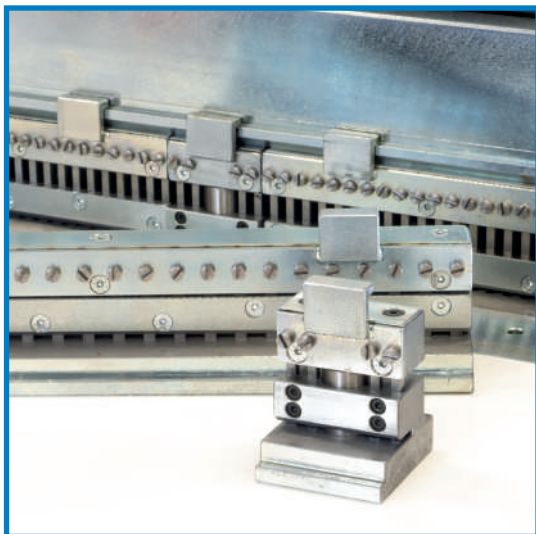
Electric punching machine 530 mm. width

Easy to use, economic, machine suitable for large range of products.

- Easy to install
- Easy to use
- Low maintenance costs
- Maximum reliability

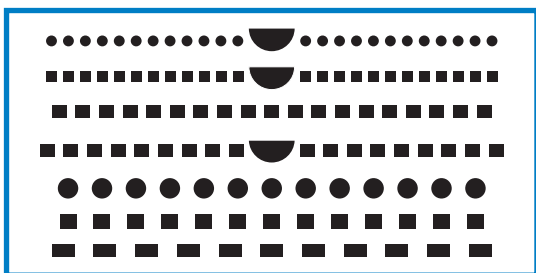


Electric punching machine 530 mm. width



Punching tools

PUNCHING PATTERN



HOW IT WORKS

Punching with the F-500 is very easy: the operator simply has to insert the paper to be punched under the carter and press on the footswitch to punch.

All punch pins are disconnectable from the front without taking out the tools from the machine, simply unscrewing a screw.

FEATURES

- Maximum punching length: 530 mm.
- Maximum punching thickness per stroke: 2,5 mm.
- Punching distance from the edge is adjustable from 2 mm. up to 6 mm. depending on the tools used.
- Footswitch controlled.
- Accepts punching bars of 300 mm. and 230 mm., singly, doubly or in combination with 50 mm. thumb-cut punching bars, up to 530 mm. maximum length, in the same pitch.
- Maximum output: up to 1000 punchings/hour, depending on materials used and skills of operator.
- Wide range of punching tools available, including tool for plastic-coils holes.

TECHNICAL SPECIFICATIONS



380 V trifase 50/60 Hz; 1,5 Kw (optional 220/240 single-phase)



H 1070 x D 710 x L 1100 mm.



195 Kg



P-500

Professional Line

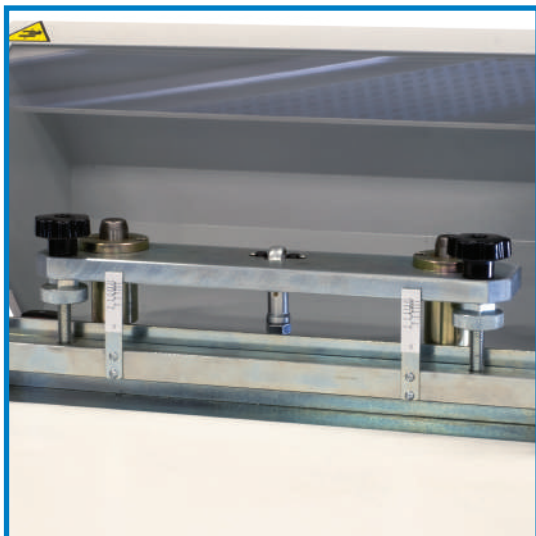
Electric closing machine 530 mm. width

Easy to use, economic, machine suitable for large range of products.

- Easy to install
- Easy to use
- Low maintenance costs
- Maximum reliability



Electric closing machine 530 mm. width

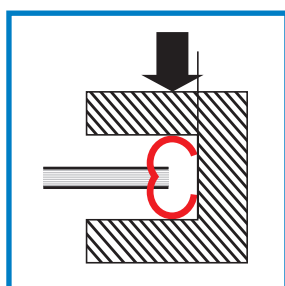


Closing press



Sample bound

BINDING SYSTEM



HOW IT WORKS

Binding is an easy thing with the P-500: the operator only needs to insert manually the wire (and eventually the hanger) into the punched book, place it under the closing device and press the footswitch.

FEATURES

- Maximum closing length: 530 mm.
- Footswitch control.
- Adjustable for closing any diameter.
- Maximum output: up to 1000 bindings/hour, depending on materials used and skill of operator.

	 Ø inch	 mm
PITCH	DIAMETER	BIND THICK
3:1"	3/16"	4
	1/4"	5
	5/16"	6,5
	3/8"	8,5
	7/16"	10
2:1"	1/2"	11,5
	9/16"	12,5
	5/8"	14
	3/4"	17
	7/8"	20
	1"	23
	1"-1/8"	26
	1"-1/4"	29

TECHNICAL SPECIFICATIONS

 380/400 V 3-phase 50/60 Hz; 1 Kw (optional 220/240 single phase)

 H 1100 x D 710 x L 1097 mm.

 102 Kg

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F-800 E.S.

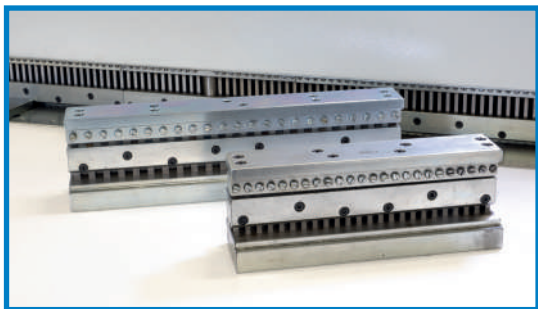
Professional Line

Electric punching machine 800 mm. width

With the widest punching length on the market, F-800 E.S. can satisfy even the most unusual requirements, allowing top performances in highly profitable markets. Due to the exceptionally strong punching power it is possible to punch thick cardboard, high blocks of sheets and even aluminium (with proper lubrication). Equipped with the punching tools Easy Setting and with the new "energy saving technology".



Electric punching machine 800 mm. width

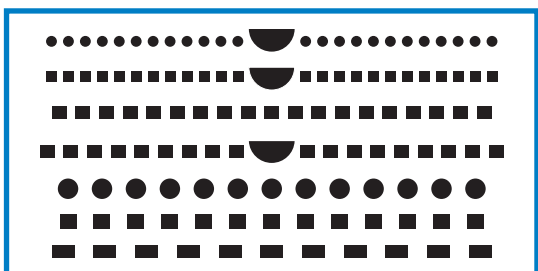


Punching tool



Easy Setting punching tool

PUNCHING PATTERN



HOW IT WORKS

Punching with the F-800 is very easy: the operator simply has to insert the paper to be punched under the carter and press the footswitch to punch.

All punch pins are disconnectable from the front without taking out the tools from the machine, simply unscrewing a screw.

FEATURES

- Maximum Punching length: 800 mm.
- Maximum Punching thickness depending on the length of the item to punch:
 - with 800 mm. length = 2,5 mm.
 - with 600 mm. length = 4 mm.
 - with 400 mm. length = 5 mm.
- Distance from the punching edge adjustable from 2 mm. up to 6 mm. (depending on tool being used).
- Footswitch controlled.
- Accepts punching bars of 300 mm., 200 mm. and 100 mm. singly, doubly or in combination with 200 mm. thumb-cut punching bars, up to 800 mm. maximum length, in the same pitch.
- Maximum output: up to 1000 punchings/hour, depending on materials used and skills of operator.
- Wide range of punching tools available, including tool for plastic-coils holes.
- Available optional adapter for old (not E.S.) and special tools.

TECHNICAL SPECIFICATIONS



380/400 V 3-phase 50/60 Hz; 3 Kw



H 1100 x D 800 x L 1200 mm.



485 Kg



P-800

Professional Line

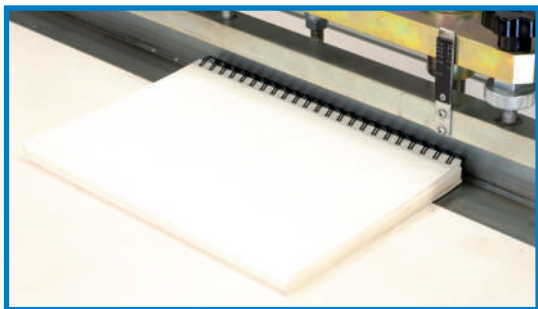
Electric closing machine 800 mm. width

Easy to use, economic, machine suitable for large range of products.

- Easy to install
- Easy to use
- Low maintenance costs
- Maximum reliability



Electric closing machine 800 mm. width



Closing press

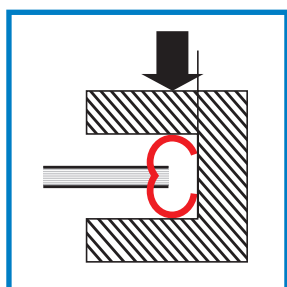
HOW IT WORKS

Binding is an easy thing with the P-800: the operator only needs to insert manually the wire (and eventually the hanger) into the punched book, place it under the closing device and press the footswitch.

FEATURES

- Maximum closing length: 800 mm.
- Footswitch controlled.
- Adjustable for closing any diameter.
- Maximum output: 1000 pieces depending on materials used and skills of operator.

BINDING SYSTEM



	 Ø inch	 mm
PITCH	DIAMETER	BIND THICK
3:1"	3/16"	4
	1/4"	5
	5/16"	6,5
	3/8"	8,5
2:1"	7/16"	10
	1/2"	11,5
	9/16"	12,5
	5/8"	14
	3/4"	17
	7/8"	20
	1"	23
	1 1/8"	26
	1 1/4"	29

TECHNICAL SPECIFICATIONS



380/400 V 3-phase 50/60 Hz; 1 Kw



H 1100 x D 800 x L 1200 mm.



485 Kg



SPC-500

Professional Line

Semiautomatic cutting machine

Designed to enable binderies, copy centres and owners of hand-operated binding machines to cut spools of wire for hand insertion. It is also perfect for people who want to enter the business of supplying boxes of cut wire to offices. The mechanical parts are sturdy and simple to operate, following the same principle as all the other Rilecart products.



Semiautomatic cutting machine



Cutting device



Computer



Waste paper winder

HOW IT WORKS

After setting the required number of wire loops and cut lengths into the computer, the operator then presses the foot pedal and the wire is automatically fed into position and cut. The unit is easily foot operated.

As the operator is packing the previously cut wire, the cutter is processing the next wire length so the cutting cycle is never delayed.

FEATURES

- Uses wires on spools in all diameters and pitches from 3/16" to 1-1/4".
- Cuts a minimum of three loops.
- Cut length can be specified in loops, as well as quantities.
- Operated by footswitch or by continuous cycle.
- Spool unwinder with paper winder included

TECHNICAL SPECIFICATIONS



220/240 VAC single phase 50/60 Hz; 1 Kw



H 1840 x D 678 x L 1142 mm.



190 Kg



MF-300 + MP-300 + MP-600

Professional Line

Manual punching and Closing machines 330 mm. width

Simple machines for manual punching and binding of any product under 330 mm. The punching machine has interchangeable dies for 2:1" and 3:1" pitches.

Also available: a closing machine of 600 mm. length.

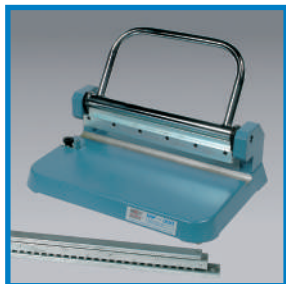


MF-300

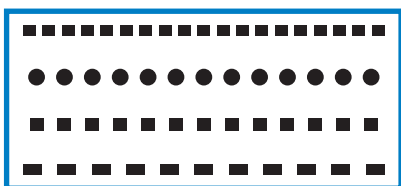
Professional Line

Punching machine

The MF-300 together with a punching tool



PUNCHING PATTERN



HOW IT WORKS

The item has to be put underneath the tool, then press the handle to punch.

FEATURES

- Maximum punching length: 330 mm.
- Maximum punching thickness (each stroke): 1,0 mm.
- Interchangeable 330 mm. length punch bars (37 pins in 3:1", 25 in 2:1", 49 in 4:1").
- Rectangular or round holes.

TECHNICAL SPECIFICATIONS



Electric connection not required.



H 350 x D 200 x L 400 mm.



16 Kg

MP-300/MP-600

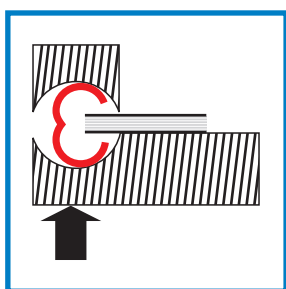
Professional Line

Closing press

The MP-300 binding a book



BINDING SYSTEM



HOW IT WORKS

The wire has to be inserted manually into the item already punched, then the product has to be put underneath the closing bar to be bound using the proper handle.

FEATURES

- Maximum closing length: 330 mm. (600 mm. with MP-600)
- Adjustable to close any metallic wire from 4,7 mm. to 29 mm. (3/16" to 1-1/4").

	 Ø inch	 mm
PITCH	DIAMETER	BIND THICK
3:1"	3/16"	4
	1/4"	5,5
	5/16"	7
	3/8"	8,5
	7/16"	10
	1/2"	11,5
2:1"	9/16"	13
	5/8"	15
	3/4"	18
	7/8"	20
	1"	24
	1-1/8"	26
	1-1/4"	29

TECHNICAL SPECIFICATIONS



Electric connection not required.



H 350 x D 200 x L 400 mm.



16 Kg

ALSO AVAILABLE: MP-600

Maximum closing length 600 mm.
Adjustable to close any metallic wire from 4,7 mm. to 29 mm. (3/16" to 1-1/4").

