联强集团
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SHANGHAI UPG INTERNATIONAL INDUSTRY&TRADE GROUP CO., LTD

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LQ WIRE BINDING MACHINE





Company Profile

UP GROUP—SHANGHAI UPG was founded in August 2001, In the past 23 years, Which has become one of the most famous groups in the manufacturing and supplying of label printing machines with our own brand, Such as multi–functional rotary printing press, full–rotary PS printing press and full–rotary flexo printing press and series of self–adhesive printing equipment, etc, Also the rotary cutting machine for many years, These new models and the traditional offset press provide more comprehensive combination printing solutions for new and old customers. Our company has rich experience and strong technical force of self–developed flexographic printing machine as well as die–cutting machines

At the same time, On the behalf of the ideas of leading technology and innovative business, We also provide the printing industry an end–to–end labeling services and focuses on customer needs to provide customers the value–added solutions to help them improve production efficiency, improve profitability and achieve business success. Our customers are at the heart of our business. The product structure according to the business growth of the printing industry. Which is from pre–press, printing to post–press finishing, to after–sales service, printed materials and software solutions, There we has more than 30 offices have been established in foreign countries.

UP GROUP—SHANGHAI UPG will lead all employees of the company to adhere to the principles of technological innovation, management innovation and business culture innovation, provide customers with high–performance and high–quality new label printing machines, And take meeting the needs of customers and helping customers succeed as the company's business purpose.

联强集团 UP GROUP





Superiority

A famous brand enterprise which has been trusted by industry and customers for 20 years. High efficiency, rich experience, stable and professional team work.Customizing suitable and satisfactory. production lines and solutions for various customers. Continuously developing new products to meet the demand of marker.On–line platforms can worldwide exhibitions are easy for customers to reach us in different way.

Export Markets

Southeast Asia

Thailand, Indonesia, Singapore, Malaysia, Brunei, the Philippines, Japan, Korea, Vietnam, Cambodia, India, Sri Lanka, Nepal, Dubai, Kuwait Saudi, Syria, Lebanon, Maldives, Bahrain, Jordan, Sudan, Mongolia, Myanmar, Pakistan, Iran, Turkey and Bangladesh.

European

Britain, France, Germany, Italy, Holland, Spain, Portugal, Georgians, Slovakia Finland, Poland. the Czech Republic, Russia, Ukraine, Belarus, Kazakhstan, Uzbekistan, Sweden, Bosnia. Herzegovina and Albania.

Africa

South Africa, Kenya, Ethiopia, Egypt, Morocco, Algeria, Tunisia, Madagascar, Mauritius, Nigeria, Ivory Coast, Ghana, Mali, Liberia and Cameroon.

America

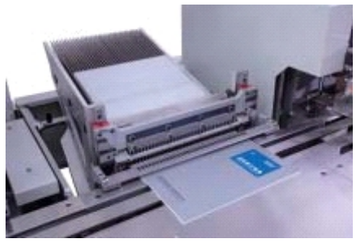
The United States, Canada, Mexico, Panama, Costa Rica, Brazil, Argentina, Columbia, Bolivia, Uruguay, Paraguay, Chile, Peru, Ecuador and Honduras.



LQ-RB300 Soft Ring Binder
软圈冲孔装订一体机

The soft ring punching and binding machine LQ-RB300 is the world's first commercial soft ring special binding machine, which is suitable for the mass production of soft ring notebooks and books. Combined with many original patented technologies of our company, it realizes the efficient and perfect solution for soft ring binding products.

- High elastic polyolefin resin raw material which is soft and high toughness. It does not touch the hand with good tactile impression.
- No sharp corners, no injury to hands, safe for customers, especially for the children.
- After the coil is deformed, it can quickly return to original shape, which is convenient for storage and not easy to entangled.
- The appearance is novel and fashionable and the rich colors for selection, which perfectly matches the cover pattern.


Type	Size	Pitch	Bindingthickness (mm)	Hole (mm)	Pages for binding(soft cover booklet)
05	5/16	3:1	5	4×4	40/pages
06	3/8	3:1	6.5	4×4	50/pages
07	7/16	3:1	8	4×4	60/pages
08	1/2	3:1	9.5	4×4	80/pages
09	9/16	3:1	11	4×4	100/pages
10	5/8	3:1	12.5	4×4	120/pages



Technical data

Feature	Feeding, punching, inserting ring, welding, cutting 5 procedures
Binding range	Binding edge 72-300mm(A7-A4 booklet)
Ring size	Type 05-10(size:5/16-5/8)
Pitch	ISO3:1
Speed	Up to 1200 books/hour
Dimension	6×1.6×1.7m
Weight	2400kgs
Electric power	3ph, 380v, 10kw
Compressed air	5-8kgf



LQ-BW580/580S Double Wire Punching and Binding Machine
双线圈冲孔装订一体机

Double wire punching and binding machine LQ-BW580&580S could be used for mass-production of desk calendars, wall calendars, exercise-books, wire-o books etc. It include paper separation, punching, closing and collection ALL IN ONE MACHINE. And with the optional of collator, calendar hanger inserting device, hard-cover manual punch, it can improve more production efficiency for customers.





Size	Pitch	Wire dia(mm)	Bindingthickness(mm)	Hole(mm)
1/4	3:1	Φ6.4	3.5	4×4
5/16	3:1	Φ7.9	5	4×4
3/8	3:1	Φ9.5	6.5	4×4
7/16	3:1	Φ11.1	8.5	4.5×4.5
1/2	3:1	Φ12.7	10	4.5×4.5
9/16	3:1	Φ14.3	11.5	4.5×4.5
5/8	2:1	Φ15.9	13	5×5
3/4	2:1	Φ19.1	16	5×5

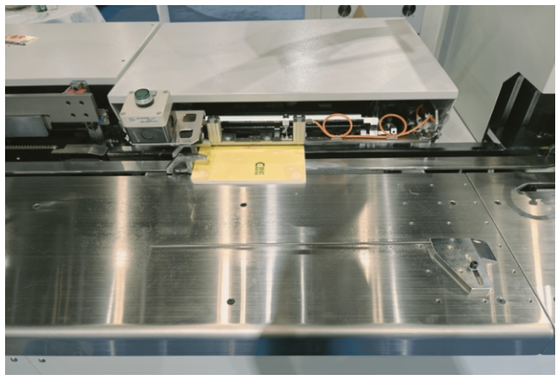
Model	580	580S
Feature	Punching, aligning, closing 3stations	Feeding, Punching, aligning, closing 4 stations
Application	Mid-production, easy to change size	Mass-production, high efficiency
Binding range	580mm (punch edge)×800mm	With feedina:580mm×360mm (unpunch edge) Without feeding:580mm×800mm (unpunch edge)
Ring size	1/4--3/4	1/4--3/4
Speed	Up to 1100 books/h	Up to 1500 books/h
Dimension	4×1.3×1.6m	6×1.3×1.6m
Weight	1700Kg	2200Kg
Electric power	3ph, 380V	3ph, 380V
Compressed air	5-8kgf	5-8kgf

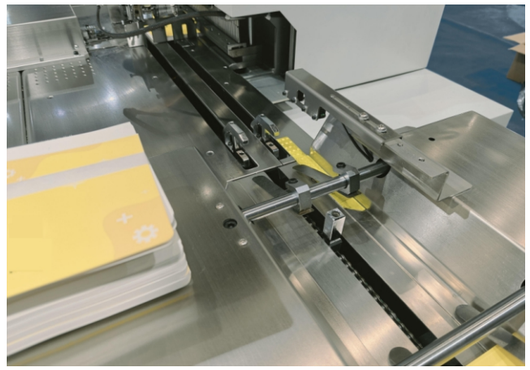


LQ-BS420 Spiral Punching and Binding Machine
单线圈冲孔装订一体机

Spiral punching and binding machine is suitable for large-scale production of spiral books, magazines and other printed materials. The equipment integrates multiple processes such as automatic layered punching,automatic paper core arc, and spiral forming, looping, hooking, bending, which greatly improves the production efficiency of spiral binding.

G-type back hook scissors can be selected to produce high-end book.It can be used for binding medium and thick books, and the max binding thickness can be up to 20 mm. It's used in the production of hard cover volume which the binding cover larger than the inner core.



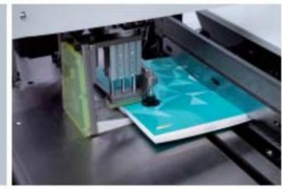


Bindingthickness(mm)	Inner dia(mm)	Wire dia(mm)	Recommend hole dia(mm)
5	8	0.7-0.8	3
7	10	0.8-0.9	3
9	12	0.9-1.0	4
11	14	1.0-1.1	4
12	16	1.0-1.1	4
14	18	1.1-1.2	4
16	20	1.1-1.2	4
18	22	1.1-1.2	5
20	25	1.1-1.2	5



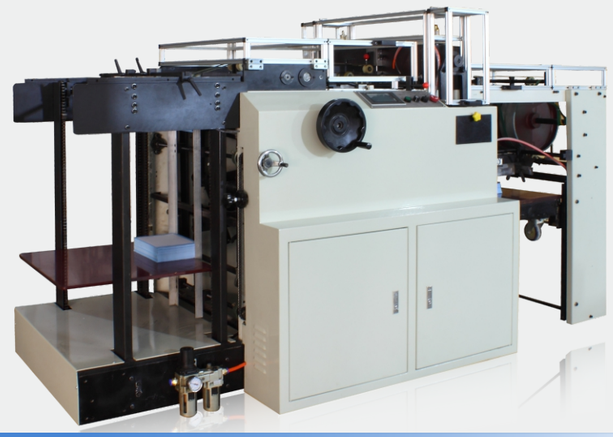






Technical data

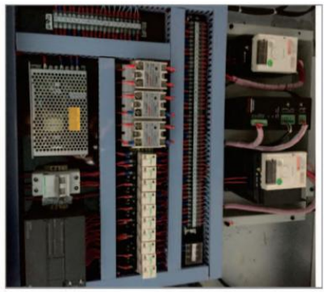
Binding format	Max 420mm	Min 70mm
Binding coildiameter	Max 25 mm	Min 8mm
Binding hole spacing optional range	5, 6, 6.35, 8, 8.47mm	
Circle diameter rangeof G-type back hook scissors	14-25mm（customized if less than 14mm)	
Circle diameterrange of ordinary scissors	8-25mm	
Overall dimension	6×1.3×1.7m	
Weight	1800KG	
Voltage	3PH380V	
Air pressure	5-8 KGF	



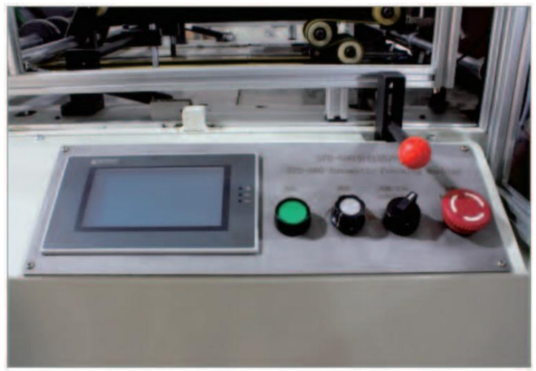
LQ-PB550 High Speed Punching Machine
高速打孔机

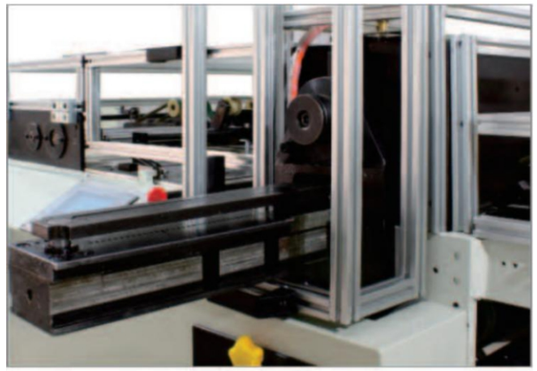
The machine is suitable for punching holes in all kinds of notebook, book and periodicals, calendars paper, tutorial paper in batch, especially for width paper and presspaper. This machine combines with the advantages of efficience, high safety, easy operation and wide use of paper to increase your production efficient rate. So easy for punching if your own it.







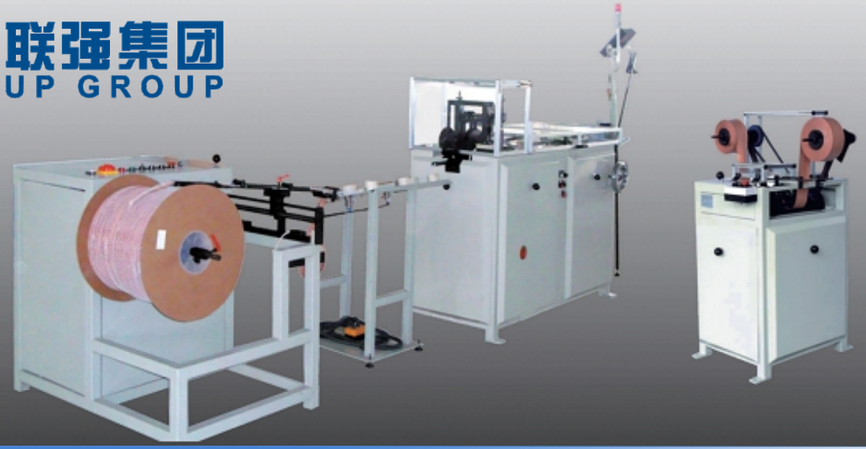




It's wide applied for punching different paper size, max punching width 600mm and 3mm thickness of presspaper.
Easy operation and high safety.
To make special punching hole moudle is available for the customer's request within the size of paper.
High quality for punching without deckle edge and accurate punching position.

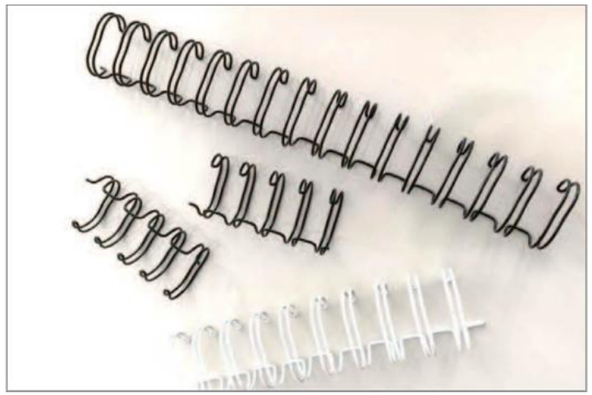
Technical data

Max.sheet	550×600mm
Min.sheet	120×100mm
Max.punching thickness	3mm
Weight of paper	60-350gam
Punching speed	Up to 7200 punch times/hour
The max height of paper	500mm
Power	3PH, 380V, 50Hz(other voltage on request)
Main motor power	3kw
Dimension(L×W×H)	2200×1300×1200mm
Net weight	1600Kg



LQ-FA31&21 Double Wire Forming Machine
双线圈成形机

This machine is applied to the mass production of double wire loops,which is widely used in notebooks, workbook,calendars,etc.



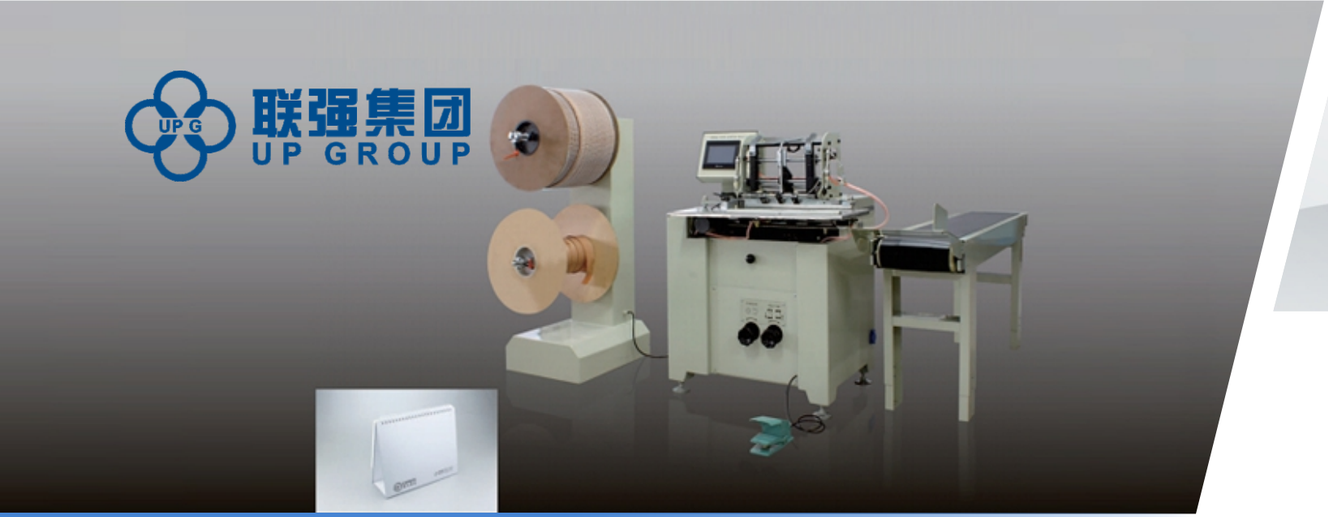


Size	Pitch	Back ground (mm)	Tinned wire (mm)	Wire dia (mm)	Binding thickness (mm)	Binding page(pages)
1/4	3:1	0.70	0.65	6.4	4.9	45
5/16	3:1	0.80	0.70	7.9	6.3	60
3/8	3:1	0.80	0.75	9.5	7.9	70
7/16	3:1	0.90	0.80	11.1	9.3	85
1/2	3:1	0.90	0.85	12.7	10.9	100
9/16	3:1	1.00	0.90	14.3	12.2	120
5/8	2:1	1.10	1.00	15.9	13.4	130
3/4	2:1	1.20	1.10	19.1	16.6	160
7/8	2:1	1.20	1.20	22.2	19.7	190
1	2:1	1.25	1.20	25.4	22.9	225
11/4	2:1	1.50	1.45	31.8	27.8	270

Fast and effective, applicable to nylon-coated wire, tinned wire and galvanized wire.
High quality products, and no damage in coated layer of the wire.
Different size of coils in the same pitch can be produced by replacing the forming mold.
Accurate pitch,standard shape.
Reliable operation,high versatility.

Technical data

Speed	350-550Loops/min	
Total power	Forming machine	0.75Kw
Total power	Spooling machine	0.37Kw
Total power	Paper cuttin g machine	025Kw
Power	3PH 380V 50/60Hz(other voltage on request)	
Net weight	500Kg	
Dimension	Forming machine	2400×650×1700mm
Dimension	Spooling machine	1300×1000×1200mm
Dimension	Paper cuttin g machine	600×500×1400mm



LQ-CA 520 Double Wire Binding Machine
双线圈装订机

The machine is used for binding double wire books, notebooks calendars and so on.It has the functions of automatic cutting,counting loops-counting, skip binding and closing. It's your best choice for double wire bookbinding.



Size	Pitch	Background (mm)	Wire dia(mm)	Binding thickness(mm)	Binding page (page)
1/4	3:1	4.0×4.0	6.4	4.9	45
5/16	3:1	4.0×4.0	7.9	6.3	60
3/8	3:1	4.0×4.0	9.5	7.9	70
7/16	3:1	4.5×4.5	11.1	9.3	85
1/2	3:1	4.5×4.5	12.7	10.9	100
9/16	3:1	4.5×4.5	14.3	12.2	120
5/8	2:1	5.0×5.0	15.9	13.4	130
3/4	2:1	5.0×5.0	19.1	16.6	160

Controlled by PLC. Easily to setting and adjusting.
Designing and manufacturing for normal wire and paper, so the machine is very efficiently and reliably.
By changing the individually size closing moulds various loops diameters can be processed, and the changing of the moulds is fast and easy.
Optional hanger attachment.

Technical data

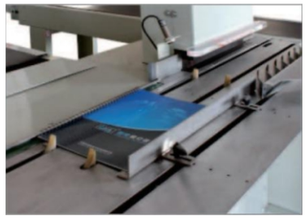
Speed	1500volume/hour
Air Pressure	5-8Kgf
Wire diameter	1/4"–3/4"
Workbench dimension	680x310mm
The max width of binding	520mm
Power	1PH, 220V,50/60Hz（othervoltage on request)
Main machine Dimension	780×730×1150mm
Feeding reel dimension	600×500×1320mm
Net weight	300Kg

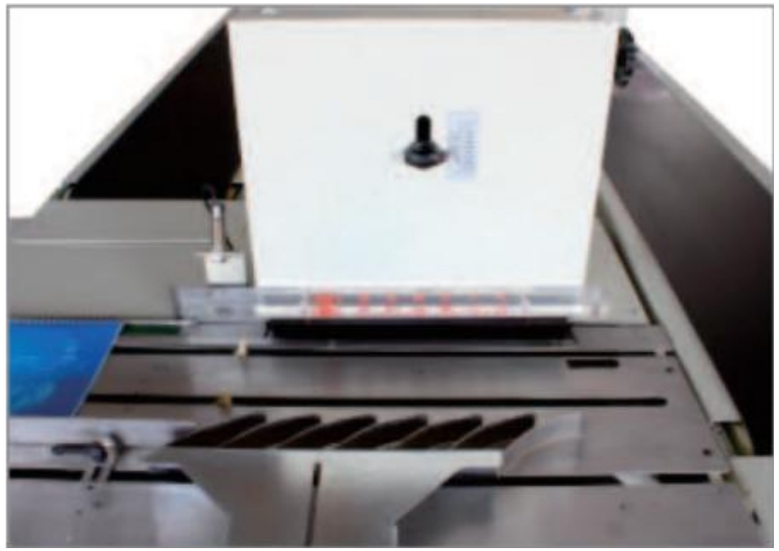


LQ-CB 360 Double Wire Binding Machine
双线圈装订机

The machine is used for binding double wire books, notebooks, wall calendars, etc. It can bind 1/4" to 1 1/4" without changing binding tools. With the integration of automatically unwinding the spool, loops cutting, conveying and closing, it increased the production efficiency and lowered the cost remarkably.





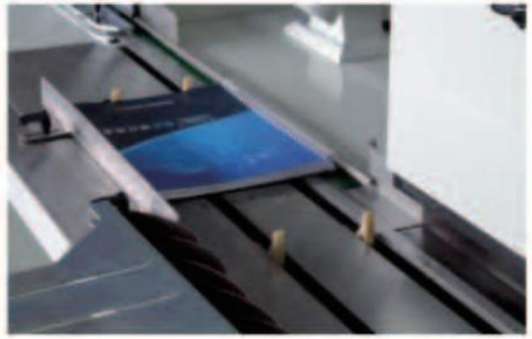


Technical data

Speed	up to 1000 Volume/hour
Air pressure	5-8Kgf
Wire diameter	1/4"-1 1/4"
The max width of binding	360mm(14.2")
Power	1PH, 220V, 50/60Hz(other voltage on request)
Main machine dimension	2020×950×1250mm
Feeding reel dimension	780×560×1200mm
Conveyor dimension	2160×370×700mm
Net weight	300Kg

Controlled by PLC. Easy to set and adjust.
There are no tools to change as the closing press is adjustable for all the diameters.
Especially suitable for binding the notebooks which the cover is bigger than inner sheet.







Double Wire Forming&Binding Machine
成形装订联机

The machine is used for binding double wire books, notebooks, calendars, etc. With the integration of automatic cutting, loops-counting, skip binding and It's your best choice for double wire binding.closing, it increases the production efficiency and reduces the cost remarkably.



Size	Pitch	Background (mm)	Wire dia(mm)	Binding thickness(mm)	Bindingpage (page)
1/4	3:1	4.0×4.0	6.4	4.9	45
5/16	3:1	4.0×4.0	7.9	6.3	60
3/8	3:1	4.0×4.0	9.5	7.9	70
7/16	3:1	4.5×4.5	11.1	9.3	85
1/2	3:1	4.5×4.5	12.7	10.9	100
9/16	3:1	4.5×4.5	14.3	12.2	120
5/8	2:1	5.0×5.0	15.9	13.4	130
3/4	2:1	5.0×5.0	19.1	16.6	160

The machine is designed for normal wire and paper, with a high reliability and low loss. Various loops diameters can be processed by changing the individually closing moulds. It's easy and fast.
The machine is made up of double wire forming machine and double wire binding machine, it increases the production efficiency and reduces the cost remarkably.
Optional hanger attachment is available.

Technical data

Speed	1500(Volume/hour)
Air pressure	5-8Kgf
Workbench dimension	680×310mm
The max width of binding	520mm
Power	1PH, 220V, 50/60Hz(other voltage on request)
Net weight	800Kg



LQ-SB420M Spiral Wire Forming & Binding Machine
单线圈装订机

This machine used abroad binding for notebook, exercise book, hang calendar, desk calendar,loose-leaf, etc. It can auto wire forming spiral, auto book cluster, auto close up, auto book drop and auto book collection. It is a perfect high speed spiral binding machine.









Diameter(mm)	LineDiameter(mm)	Aperture(mm)	Bindingthickness(mm)
8	0.7-0.8	Φ3.0	5
10	0.7-0.8	Φ3.0	7
12	0.8-0.9	Φ3.5	9
14	1.0-1.1	Φ4.0	11
16	1.0-1.1	Φ4.0	12
18	1.0-1.1	Φ4.0	14
20	1.1-1.2	Φ4.0	15
22	1.1-1.2	Φ5.0	17
25	1.1-1.2	Φ5.0	20
28	1.2-1.3	Φ5.0	23
32	1.2-1.4	Φ5.0	26

Forming different wires to spiral and binding onto the book at the same time.
Through mould and tooth pitch can run different spec requirements.
Book binding and wire forming spiral finished at the same time, convenience and efficiency.
After book binding complete both ends can cut off and close up automatically.
Books auto drop onto the collection tank after binding complete, operator only leads it to the orientation.

Technical data

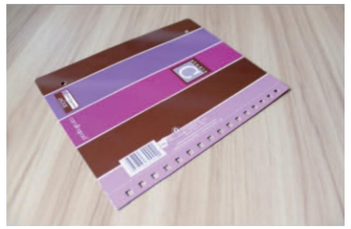
Speed	600-1200 books/hour
Air pressure	5-8 Kgf
Wire diameter	8-32mm
Binding size	75mm-420mm
Power	1PH, 220V, 50/60Hz（other voltage on request）
Size	1900×1500×1600mm
Net weight	600Kg



LQ-MP600 Manual Punching Machine
半自动打孔机

This machine is suitable for continuous punching and perforating of paper, cardboard, and plastics,etc.



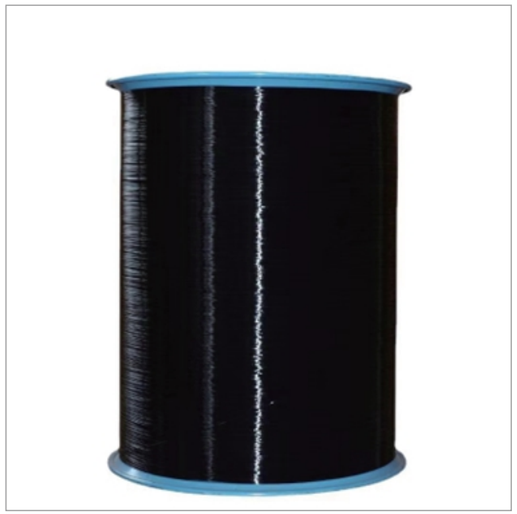




Easily operated by a foot switch.
Punching width up to 600mm(23.6")
24 hours continuous working.
Mold changing is quick and easy.

Technical data

Punching thickness	Up to 5.0mm
Punching width	600mm
Punching speed	up to 60times/min
Binding thickness	3/16"-11/4"
Adjustable edge width	2-6mm
Power	1PH, 220V, 50/60Hz(other voltage on request)
Motor	1.5KW
Dimension(LxWxH)	1000x640x1110mm
Net weight	300kg

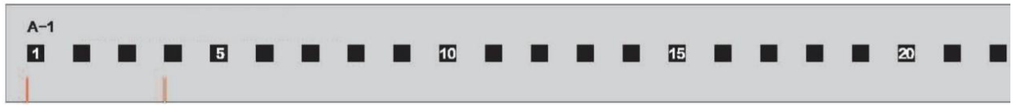


Wire can be provided

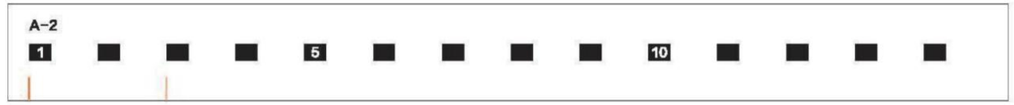


Common Punch Die

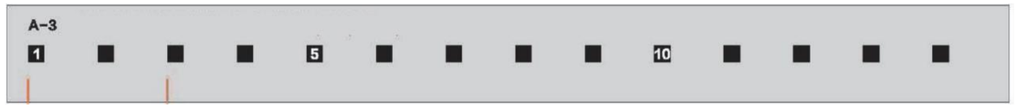
A-13:1 Square hole:4mm×4mm for double wire size 5/8" -1/4"



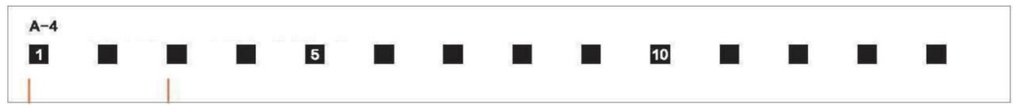
A-22:1 Square hole:5mm×4mm for double wire size 5/8" -1/4"



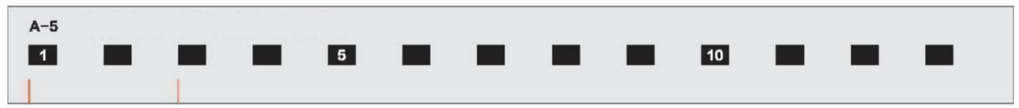
A-32:1 Square hole:4.2mm×4.2mm for double wire size 1/4"-5/16" and 3/8"



A-42:1 Square hole:5mm×5mm for double wire size 5/8"-1,1/4"



A-52:1 Square hole:5mm×6mm for double wire size 5/8"-1,1/2"



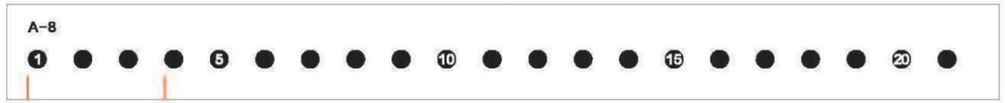
A-62:1 Square hole:6mm×6mm for double wire size 5/8"-1,1/2"



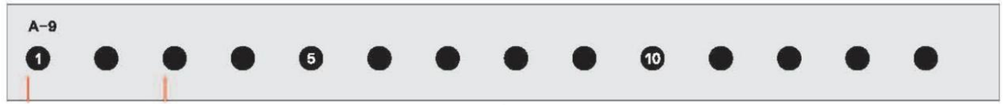
A-73:1 Square hole:4mm×4mm for double wire size 3/16"-9/16" with thunmbcut for calendars



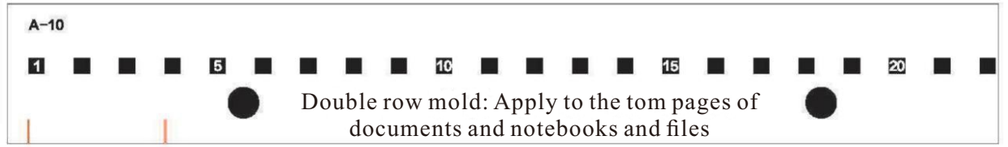
A-83:1 Square hole:Φ5mm for double wire size 1/4"-9/16"



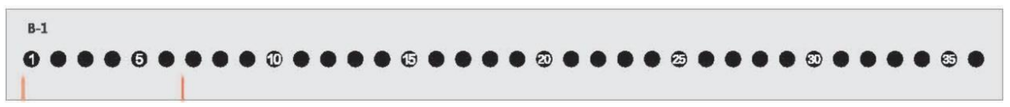
A-92:1 Square hole:Φ5mm for double wire size5/8"-1/2"



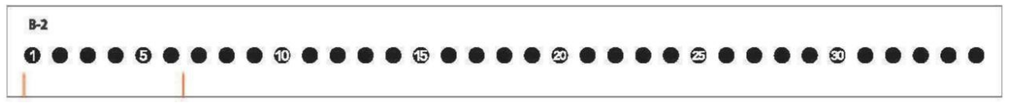
A-103:1 Square hole:4mm×4mm for double wire size 3/16"-9/16"



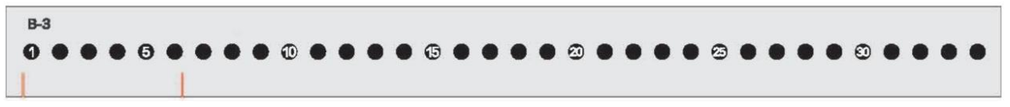
B-1 Round hole:Φ3mm, pitch:5mm



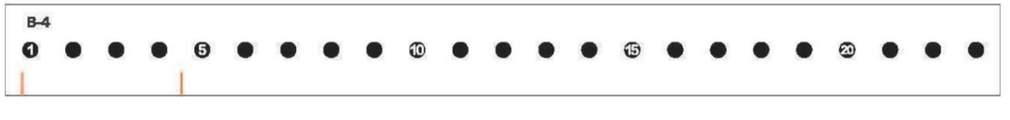
B-2 Round hole:Φ3mm, pitch:6mm



B-3 Round hole:Φ3mm, pitch:6.35mm

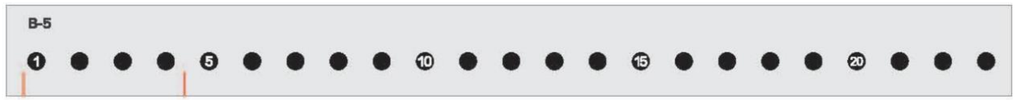


B-4 Round hole:Φ3mm, pitch:8mm

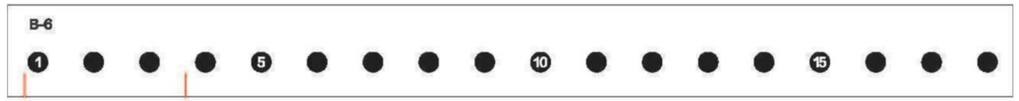


Common Punch Die

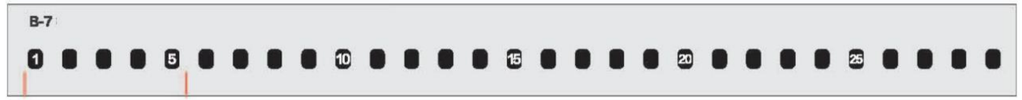
B-5 Round hole:Φ4mm, pitch:8mm



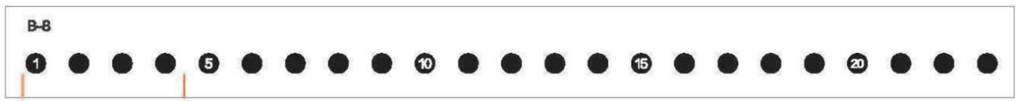
B-6 Round hole:Φ5mm, pitch:10mm



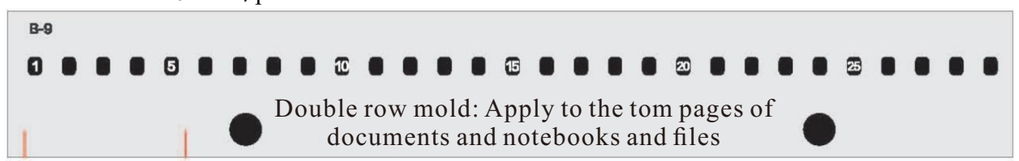
B-7 Oval hole:3mm ×4mm, pitch: 6.35mm



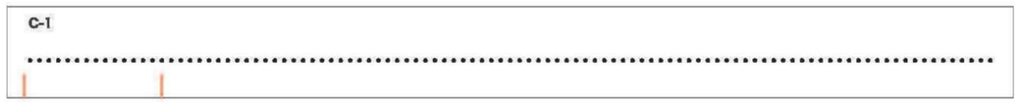
B-8 Round hole:Φ5mm, pitch:8mm



B-9 Round hole:Φ5mm, pitch:10mm



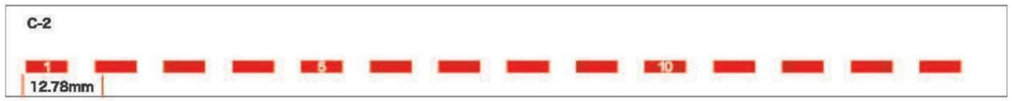
C-1 Tear-off Perforation



C-2 Rectangular:3mm×8mm,pitch:14.28mm(9/16")



C-2 Rectangular:3mm×8mm,pitch:14.28mm(9/16")



C-3 UNIVERSAL,pitch:14.28mm(9/16")





