



CIRCULAR LOOM

Variable Weaving Density
Greater Weft Capacity
Maximum Productivity

HAO YU Precision Machinery Industry Co., Ltd.
www.hao-yu.com.tw



Hao Yu Precision Machinery Industry Co., Ltd. is a special and professional manufacturer of PP and PE woven bag machinery and whole-plant equipment. Since its establishment 1980, HAO YU has been dedicated to the research and development of high performance machinery. Our dedication to continuous research and development is the reason for the excellence of HAO YU machines. Our objective is to enhance our present machinery and develop new models that improve the efficiency, product quality and profitability for our customers.

From the beginning, HAO YU has focused its energy on the development of advanced woven bag making machines, incorporating the latest ideas in technology. HAO YU machines have been supplied to over 50 countries and have received the full satisfaction of our customers. This level of dependability is achieved through outstanding engineering efficiency, continuous research & development, and rigorous quality control, combined with our strong commitment to customer services. In addition, our engineering ability has earned us "The 3rd R.O.C. Golden Dragon Award". However we never stop improving our technology. The future and continuous success of HAO YU depends upon further servicing our customers with high quality machines that fully meet their requirements.



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More than 30 years experience in woven bag equipment field,
Hao Yu is pleased to present the most advance circular weaving
machines in Taiwan, which offer outstanding features.

HY7- m4SCLL

Mini Four Shuttles Leno Loom

The HY7-m4SCLL mini four shuttle leno loom is designed for tubular net weaving with PP and HDPE yarns. This is the latest and most unique weaving technology in the world, which features high production and energy-saving characteristics. This leno loom also is possible to be converted into a woven circular loom by applying modification kits. (from HY7-m4SCLL to HY7-m6SCL)

- The machine runs with four shuttles to perform tubular weaving at speed up to 360 picks per minute (90 RPM), providing considerable productivity up to 100 m/hour.
- Equipped with frequency inverter for circular loom speed adjustment; pre-stop weft bobbin sensor before weft tape empty. Upon warp and weft run-out/breakage, the machine stops automatically.
- Lubrication-free for cam and shuttle for less energy consumption. It is an advanced circular loom specially designed to meet the stringent productivity requirements in the present days.
- Interchangeable with flat weaving in demand with/without lamination and printing.

Model	Unit	HY7-m4SCLL
Revolutions	r.p.m.	Up to 90
Working range	cm	35-80
Shuttles	pcs	4
Warp (standard)	pcs	560
Weaving density	pick/inch	4-6
Max. weft diameter	mm	ø115
Drive motor	HP	5
Winder motor	HP	1/4
Layout	M	9x2.7x2.8
Weight	kg	1800
Bobbin size	As per customer requirement	

Design and specifications are subject to change without prior notice.





HY7- m6SCL / HY7- m6SCL1

Mini Six Shuttle Circular Loom

Designed for making tubular woven fabric cloth by PP/HDPE flat yarn and its working range from 350 - 850mm. Equipped with inverter for main driving motor and weft bobbin sensor for ensuring fine quality woven products. Gusseting device, center unfold device, both sides heat slitting device, ultrasonic slitting device, warp infeed motor and HMI control can be supplied as per customer requirement.

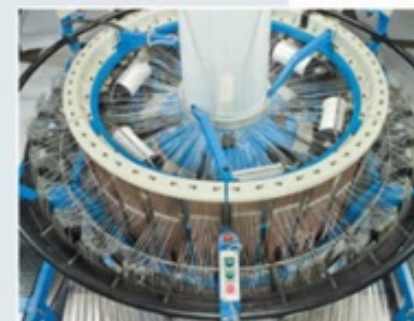
- Low spare part consumption & easy maintenance
- Energy saving nearly 50% over conventional models
- Large weft yarn insertion capacity up to 1050PPM (max)
- Flat yarn applicable weaving denier from 600-2,000 (standard)
- Large weft yarn carriage capacity up to Ø115mm (max)
- Equipped with European inverter for main motor
- Lubrication-free for shuttle & cam

Optional Accessories

- Gusseting device.
- Human Machinery interface control.
- Both sides heat slitting device and additional fabric winder.
- Center unfold device with heat slitting device and extra large unwinder for cement bag industry.

Model	Unit	HY7-m6SCL	HY7-m6SCL1
Revolutions	r.p.m.	Up to 175	Up to 130
Working range	cm	35-85	80-120
Shuttles	pcs	6	6
Warp (standard)	pcs	720	1160
Weaving density	pick/inch	8-14 applicable	8-14 applicable
Max. weft diameter	mm	Ø115	Ø115
Drive motor	HP	5	5
Winder motor	Kg / cm	10	10
Layout	M	10.8x2.5x2.9	11x2.8x2.8
Weight	kg	1800	2500
Install power	Kw	3.9 (Standard type)	3.9 (Standard type)
Power consumption	Amp	5 (Average)	5.6 (Average)
Bobbin size	As per customer requirement		

Design and specifications are subject to change without prior notice.





HY7-m8SCL0 / HY7-m8SCL

Eight Shuttle Circular Loom

Our circular looms designed for weaving tubular woven fabric by using PP/HDPE flat yarn and the application mainly for tarpaulin & jumbo bag (F.I.B.C.) industries. The working width of HY7-m8SCL0 is 90-145cm and HY7-m8SCL is 145-195cm.

- Equipped with inverter for main driving motor and weft bobbin sensor for ensuring fine quality woven products.
- Optional devices such as gusseting device, center unfold device, both sides heat slitting device, ultra-sonic slitting device, warp infeed motor and HMI control are available for customer requirement.

Model	Unit	HY7-m8SCL0	HY7-m8SCL
Revolutions	r.p.m.	Up to 110	Up to 80
Working range	cm	90-145	145-195
Shuttles	pcs	6	8
Warp (standard)	pcs	1280	2000
Weaving density	pick/inch	8-14	8-14
Max. weft diameter	mm	ø115	ø115
Drive motor	HP	7 1/2	10
Winder motor	HP	1	1
Layout	M	11x3.2x3.5	12x4x4.5
Weight	kg	3500	6500
Bobbin size	As per customer requirement		

Design and specifications are subject to change without prior notice.





HY7-8CLA / HY7-12CLA

Eight Shuttle Circular Loom

Twelve Shuttle Jumbo Circular Loom

Our looms can achieve weaving weight per square meter up to 600g by special order requirement. The weaving width capacity is from 256cm to 305cm(double lay flat width). The fabric strip of weft & warp position (size 5cm(W) x 30cm(L)) has high tenacity up to 500kgs (BY ASTM D5035-95) the major applications are for tarpaulin, geotextile jumbo bags.

- Equipped with inverter for main driving motor and weft bobbin sensor for ensuring fine quality woven products.
- Optional devices such as gusseting device, center unfold device, both sides heat slitting device, ultrasonic slitting device, warp infeed motor and HMI control are available for customer requirement.

Geotextiles Application

Reinforcing of railway, road, and bridge construction. Allows for the strengthen-ing and protection of sloping terrain, river beds and waterfront areas.

Model	Unit	HY7-8CLA	HY7-12CLA
Revolutions	r.p.m.	Up to 70	Up to 30
Working range	cm	180-220	265-305
Shuttles	pcs	8	12
Warp (standard)	pcs	2560	3000
Weaving density	pick/inch	8-16	8-12
Max. weft diameter	mm	Ø100-115	Ø100-115
Drive motor	HP	10	15
Winder motor	HP	2	2
Layout	M	16x4x4.5	16x5.6x5.3
Weight	kg	7500	9500
Bobbin size	As per customer requirement		

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