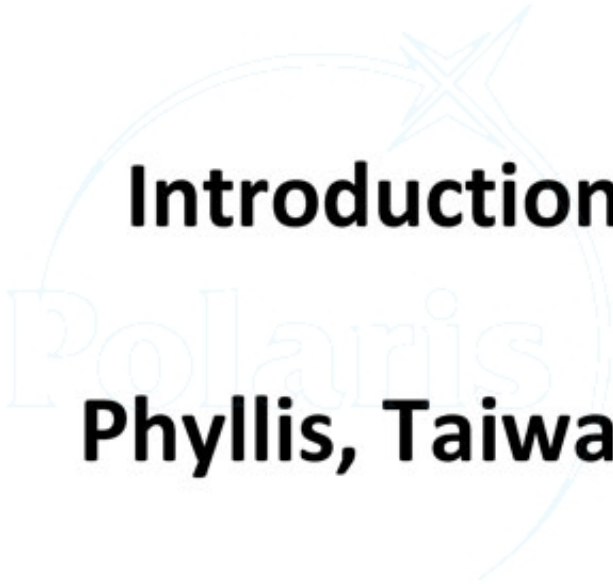




Introduction

Phyllis, Taiwan



About

Phyllis

Phyllis is globally recognized turnkey plant supplier for sacks and packaging products made of woven polypropylene fabric. We have been devoted in this field for over 40 years with continuous development and technology innovation to achieve highest machinery quality standard while providing cost-effective and flexible solutions for our users.

Customer Relations

Phyllis bonds closely with customer by offering a complete portfolio of consulting services, after sales service, and technical support.

Reliability

Adopting well known brand electrical components to ensure machine operation stability, and availability worldwide.



SIEMENS

Schneider
Electric

ABB

Worldwide Presence

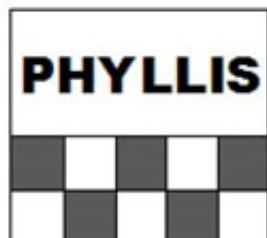
- **Africa:**
Algeria, Congo, Egypt, Ivory Coast, Kenya, Madagascar, Malawi, Mauritius, Morocco, Mozambique, Nigeria, Senegal, Tanzania, Uganda, Zambia
- **Central & South America:**
Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Peru, Suriname
- **Asia:**
Azerbaijan, India, Indonesia, Malaysia, Thailand, Turkey, Pakistan, Vietnam
- **Europe:**
Austria, Bulgaria, Germany, Portuguese, Poland, Spain, Romania, Russia
- **Middle East:**
Iraq, Iran, Bahrain, Israel, Kuwait, Saudi Arabic

Quick glance

- Founded in 1972, Phyllis has been in the machinery business for over 40 years
- Estimated 15,000 circular looms have been installed worldwide
- Customers located in 70 countries across 5 continents



History



First logo was created in 1970s to symbolize the PP woven bag pattern. Choice of color was red and gold to represent bricks which builds up Phyllis with strong foundation



Minor modification on second logo started after millennium brought the passion and new strength to Phyllis



New logo of Phyllis reserves the spirit of PP woven bag symbol with extended flexibility and simplicity. As a turnkey solution provider, Phyllis is moving toward next level, and pledged to continue our search of excellence and innovation in plastic industry.



PP Woven Bag Production



1.1 Extrusion tape lines – Standard Tapes



One layer extrusion tape line for PP, or HDPE flat tapes. With melting capacity from 120kg/hour to 700kg/hour, producing films width from 460mm to 1400mm. Tape Winding speed from 250m/min to 450 m/min, which produces premium quality tapes for use in woven sack, Kraft Paper cement sack, PE Tarpaulins, and various applications.

Integration with

Dosing units, automatic screen change, HMI with touch screen panel, thickness measurement system, and waste yarn reclaiming system.

Specification

- Processing of PP, HDPE
- Melting capacity of 120 - 700 kg/hour
- Tape winding speed from 250 - 450 m/min
- Customization with modular design

* Output varies with quality of raw material and additives

Technical data

Model Number	PH-FY75-88H	PH-FY100-156H	PH-FY120-216SH	PH-FY135-372HE
T-Die width	560 mm	860 mm	1300 mm	1530 mm
Film width	460 mm	770 mm	1200 mm	1400 mm
Denier	600D - 1000D	600D - 1000D	600D - 1000D	600D - 1000D
Melting capacity (max.)	120 kg/hour	300 kg/hour	500 kg/hour	700 kg/hour
Tape winding speed	250 m/min	350 m/min	450 m/min	450 m/min



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

1.2 Extrusion tape lines – FIBC Fabrics



One layer extrusion tape line specially designed to produce PP tapes for high performance application at premium quality mainly used for FIBC fabrics, and various technical applications.

Integration with

Dosing units, automatic screen change, HMI with touch screen panel, thickness measurement system, and waste yarn reclaiming system.

Specification

- Processing of PP
- Melting capacity of 300 - 600 kg/hour
- High tenacity tapes
- Tape winding speed from 250 - 450 m/min
- Recommended with Thickness measurement system
- Precision fibrillator available upon request (4500 – 20000 Denier PP Fibrillating Yarn)
- Flat tape folding device available as option
- Customization with modular design

* Output varies with quality of raw material and additives

Technical data

Model Number	PH-FYJ100-182SH	PH-FYJ115-240SH	PH-FYJ130-252SH
T-Die width	960 mm	1250 mm	1300 mm
Film width	860 mm	1130 mm	1180 mm
Denier	600D -2500D	600D -2500D	600D -2500D
Melting capacity (max.)	300 kg/hour	400 kg/hour	600 kg/hour
Tape winding speed (max.)	450 m/min	450 m/min	450 m/min



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

1.3 Extrusion tape lines – 3 Layer Tapes



Three layer extrusion tape line with break-through technology to produce 3 layer PP tapes at premium quality and lowest manufacturing costs. The tapes are mainly used for PP woven sack, and various applications.

Integration with

Dosing units, automatic screen change, HMI with touch screen panel, thickness measurement system, and waste yarn reclaiming system.

Specification

- Processing of 3 layer PP tapes (ABA)
- Allow total 20% of CaCo3 addition
- Melting capacity of 450 kg/hour - 700 kg/hour
- Max. tape winding speed 450 m/min depends on tape specification
- Recommended with Thickness measurement system
- Equipped with Gear Pump unit
- Customization with modular design

* Output varies with quality of raw material and additives

Technical data

Model Number	PH-FY100-75D-200SH-3L-ST1	PH-FY115-90D-372HE-3L-ST2
T-Die width	1220 mm	1500 mm
Film width	1100 mm	1390 mm
Denier	600D -1000D	600D -2000D
Melting capacity (max.)	400 kg/hour	700 kg/hour
Tape winding speed (max.)	350 m/min	450 m/min



2.1 Circular loom - Light Duty Fabrics



The simplicity and energy saving design of circular looms have led to high efficiency performance with stable quality of weaving.

Specification

- Application for woven sack, cement sack, HDPE woven fabric, and various applications
- Production speed up to 1020 ppm*
- Patented design with enhanced life time of spare parts
- New circular rail design ensures stable shuttle movements
- Slitting device as optional equipment
- Low noise operation
- Lowest possible energy consumption

* depending on tape quality, fabric width and density

Technical Data

Model Number	PH-4/80	PH-6/100-B	PH-6/125
Application	Woven sack	Woven sack	Cement sack
Shuttle/machine	4 pcs	6 pcs	6 pcs
Max. Shuttle Speed	180 rpm	170 rpm	140 rpm
Weft insertion up to	720 ppm	1020 ppm	840 ppm
Working width, tubular	35 cm – 75 cm	40 cm – 80 cm	48 cm – 120 cm
Weft bobbin diameter (max.)	90 mm	90 mm	105 mm
No. of warp creel (bobbins)	720 pcs	640 pcs	864 pcs
Warp/weft core inside diameter	Φ23 mm–Φ38 mm	Φ23 mm–Φ38 mm	Φ23 mm–Φ38 mm
Warp/weft length of core	215 mm – 230 mm(L)	215 mm – 230 mm(L)	215 mm – 230 mm(L)
Winding roll diameter (max.)	Φ1200mm	Φ1200mm	Φ1200mm
Main motor with inverter	5 HP	3 HP	5 HP

* depending on weaving construction, fabric, and quality of tapes



2.2 Circular loom - Heavy Duty Fabrics



Consistency with simplicity and flexibility, the looms are easy to operate and maintain, while producing high quality heavy duty fabrics suitable for FIBCs, Tarpaulins and other special textiles.

Specification

- Application for FIBC, Tarpaulin, and various applications
- Optional equipment of center slitting device, or both side slitting device
- Patented design with enhanced life time of spare parts
- New circular rail design ensures stable shuttle movements

* depending on tape quality, fabric width and density

Technical Data

Model Number	PH-6/150	PH-8/215H
Application	FIBC, Tarpaulin	FIBC, Tarpaulin
Shuttle/machine	6 pcs	8 pcs
Max. Shuttle Speed	90 rpm	75 rpm
Weft insertion up to	540 ppm	600 ppm
Working width, tubular	90 cm – 130 cm	180 cm – 210 cm
Weft bobbin diameter (max.)	100 mm	110 mm
No. of warp creel (bobbins)	1360 pcs	2600 pcs
Warp/weft core inside diameter	Φ23 mm–Φ38 mm	Φ23 mm–Φ38 mm
Warp/weft length of core	215 mm – 230 mm(L)	215 mm – 230 mm(L)
Winding roll diameter (max.)	Φ1200mm	Φ1200mm
Main motor with inverter	10 HP	15 HP

* depending on weaving construction, fabric, and quality of tapes



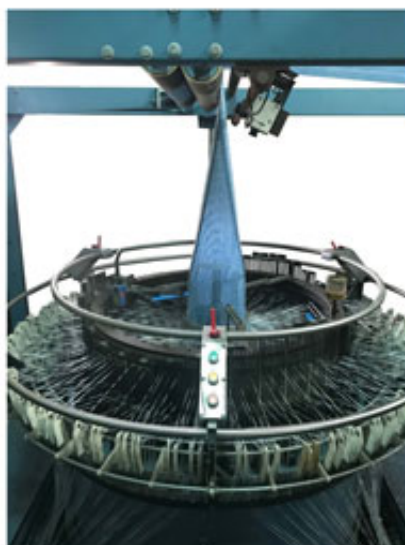
PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

2.3 Circular loom - Leno



Looms designed dedicated to leno sacks for fruits and vegetables. The high quality of open mesh leno fabric ensures the delicate surface of fruits and vegetables are under maximum protection.

Specification

- Application for leno sack
- Weft break sensor

* depending on tape quality, fabric width and density

Technical Data

Model Number	PH-3/leno
Application	Leno Sack
Shuttle/machine	3 pcs
Max. Shuttle Speed	110 rpm
Weft insertion up to	330 ppm
Working width, tubular	40 cm – 76 cm
Weft bobbin diameter (max.)	100 mm
No. of warp creel (bobbins)	800 pcs
Warp/weft core inside diameter	Φ23 mm–Φ38 mm
Warp/weft length of core	215 mm – 230 mm(L)
Winding roll diameter (max.)	Φ1000mm
Main motor with inverter	5 HP

* depending on weaving construction, fabric, and quality of tapes



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

3.1 Lamination line – woven sack, FIBC, tarpaulin



Lamination application for woven sack, FIBC, tarpaulin, Kraft paper cement sack, BOPP film laminated with woven sack, and other applications. High level of coating technique provides smooth and even coating surface, which reduces material waste, while maintaining highest quality of coated fabric.

Specification

- Automatic roll change system with max. machine running speed at 80 m/min
- Line speed up to 150 m/min*
- Dosing unit as optional equipment
- Edge trimming system
- Modular machine concept
- Customization upon request

* Depends on machine type, fabric and roll quality



Technical data

Model Number	PH-LA-S PH-LAJ-S	PH-LA-SD PH-LAJ-SD	PH-LA-SW PH-LAJ-SW	PH-LA-SWD
Type	Single side	Single and double side	Single side and sandwich	Single side, double side and sandwich
Application	- Kraft paper - Tarpaulin - FIBC	- woven sack - FIBC	- woven sack + Kraft paper - woven sack + BOPP film - FIBC	- woven sack - woven sack + Kraft paper - woven sack + BOPP film
Working width (single side)	800-5200 mm	850-2300 mm	400-3050 mm	850-1690 mm
Working width (double side)	-	350-1100 mm	-	300 -800 mm
Working width (sandwich)	-	-	400-1650 mm	850-1650 mm
Operating speed(max.)	100 m/min	150 m/min	150 m/min	150 m/min
Melting capacity (max.)	760 kg/hour	360 kg/hour	420 kg/hour	380 kg/hour

* Machine specification depends on machine type, fabric type, application and roll quality

**PHYLLIS CO., LTD.**www.phyllis.com.twphyllis.tw@msa.hinet.net

+886-2-2522-2610

3.2 Lamination line – leno sack label



Lamination application designed specifically for label lamination on leno sack. High value added application creates better values and images for our customer.

Specification

- Line speed up to 110 m/min*
- With special separation device to avoid both sides of leno sack stick together
- Customization upon request

* Depends on machine type, fabric and roll quality

Technical data

Model Number	PH-LA-leno
Type	Single side
Application	Label lamination on Leno sack
Working width	120 - 250 mm
Operating speed (max.)	80 m/min
Melting capacity (max.)	36 kg/hour

* Machine specification depends on machine type, fabric type, application and roll quality



4.1 Flexographic Printing machine – Manual feeding type



Combination of simplicity and user-friendly design, the manual feeding type flexographic printing machine provides excellent price/performance ratio for small and medium scale purpose.

Specification

- Suitable for uncoated and coated woven sack and FIBC
- Max. 50 pcs/min production capacity
- Flexographic printing technique from 2 color to 6 color
- Extra dryer as optional equipment
- Customization upon request

*Depends on application, and bag specification

Technical data

Model Number	PH-2C ~ PH-6C	PH-J3C ~ PH-J6C
Application	Woven sack	FIBC
No. of printing cylinder	2 – 6 color	3 – 6 color
Bag length	600-1250 mm	600-2500 mm
Bag width	400-800 mm	600-2200 mm
Max. printing width	700 mm	1500 mm
Max. printing length	940 mm	1500 mm
Max. production capacity	50 pcs/min	30 pcs/min



4.2 Flexographic Printing machine – Roll to roll



Flexographic roll-to-roll printing machine for coated and uncoated tubular PP woven fabric and film. Advantage of using same printing cylinder with various bag lengths. Easy touch screen operation with doctor blade system for high quality printing with minimum ink consumption.

Specification

- Up to 12 color stack-type and CI type printing
- Max. printing speed of 180 m/min for woven sack, 300 m/min for film
- Gearless drive system available
- Sleeve type available as option
- Short web stroke with better tension control to reduce waste
- Precise doctor blade chamber system with ceramic anilox roller, suitable for superfine printing quality.
- Printing inspection system available as optional equipment

Technical data

Model Number	PH-S4C ~ PH-S8C	PH-S4C-M ~ PH-S8C-M	PH-S4C-H ~ PH-S8C-H	PH-CI4C ~ PH-CI8C
Type	Stack type	Stack type	Stack type	Central Drum type
Application	-Woven sack	-Woven sack -Non woven -Film	-Woven sack -Paper	-Film
No. of printing cylinder	4 – 12 color	2 – 8 color	4 – 8 color	4 – 8 color
Max. material width	850 mm	1000 mm	1520 mm	1520 mm
Max. printing width	840 mm	900 mm	1500 mm	1480 mm
Repeat length	500 - 1350 mm	400 - 1350 mm	330 - 1200 mm	360 - 1200 mm
Max. printing speed	120 m/min	180 m/min	180 m/min	300 m/min

Depends on application, type of material, inks and other variables



5.1 Conversion line – Woven sack



The new generation of woven sack conversion line for bottom-sewn sacks is suitable for coated and uncoated woven fabric, BOPP film laminated fabric, and leno fabric. With great variety of options, a wide possibility of applications is brought for the customer.

Specification

- Max. machine operating speed 55 sacks per minute
- Smooth bag mouth opening
- Modular design with various optional devices for selection
- Inline printing available
- Inline gusseting available
- Easy open sewing machine available upon request

*Speed varies with different sizes of sack, and quality of fabric

Technical data

Model Number	ABMM-2012	ABMM-2012/G	ABMM-2012/C
Application	-Woven sack -BOPP film laminated sack -Leno sack	-Woven sack	-Woven sack
Roll diameter (max.)	1400 mm	1400 mm	1400 mm
Coated/uncoated cloth width (max.)	250-1300 mm	250-850 mm	250-850 mm
Sack length	450-1800 mm	450-1500 mm	450-1500 mm
Gusset Depth	-	50 – 100 mm	-
Bag width before gusset	-	435 – 645 mm	-
Bag width after gusset	-	280 – 550 mm	-
Max. machine capacity	55 pcs/min	50 pcs/min	40 pcs/min
Printing Stations	-	-	2 – 6

*Speed varies with different sizes of sack, and quality of fabric



5.2 Liner Insertion Conversion line – Woven sack



Innovative design for inner liner inserting-cutting-sewing in one process.

Specification

- Liner insertion capacity up to 25 bags per minute
- Choice of liner Insertion only, or liner insertion with sewing
- Equipped with enhanced mouth opening device
- Automatic liner insertion process reduces possibility of contamination caused by traditional manual type liner insertion.

*Speed varies with different sizes of sack, and quality of fabric and liner

Technical data

Automatic PE Liner insertion conversion line

Model Number	ABMM-2016
Application	PE liner insertion into PP woven sack
Roll diameter (max.)	1200 mm
With liner insertion	
Coated/uncoated cloth width (max.)	400-700 mm
Sack length	600-1100mm
Max. production capacity	25 pcs/min
Without liner insertion (cutting-sewing only)	
Coated/uncoated cloth width (max.)	400-800 mm
Sack length	450-1350mm
Max. production capacity	30 pcs/min

*Speed varies with different sizes of sack, and quality of fabric



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

5.3 Dedicated Conversion line – Woven sack

Special purpose conversion line with application of gusseting, tubing, and valve forming.

Technical data

Gusseting / Tubing / Valve forming

Model Number	ABMM-Gusset	ABMM-Tube	ABMM-Valve
Application	Gusset and Twist	Tubing	Valve forming
Input material	-Woven Sack -BOPP film laminated fabric	-Laminated Woven Sack -BOPP film laminated fabric	Woven Sack
Production Output	Max. 80 M/min	Max. 100 M/min	Max. 19 pcs/min
Gusset Fold-in Depth	40 – 90 mm	40 – 90 mm	-
Before gusset width	M size: 500 – 680 mm S size: 360 – 500 mm	-	-
After gusset width	M size: 360 – 580 mm S size: 220 – 360 mm	-	-
Flat fabric width	-	640 – 1350 mm	-
Fabric width can be gusseted	-	740 – 1150 mm	-
Fabric width can be gusseted	-	640 – 740 mm	-
Tube length	-	-	680 – 1200 mm
Tube width	-	-	320 – 450 mm
Valve size	-	-	80 – 140 mm

*Speed varies with different sizes of sack, and quality of fabric



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

5.4 Conversion line – FIBC conversion



Suitable for converting tubular fabrics and flat fabrics. The FIBC conversion line extends the possibility to produce hoses and bodies used for 1 loop, 2 loop, and 4 loop FIBC. Depends on customer's request, optional O and X punch device available for selection.

Specification

- Suitable for cutting fabrics used for Hose, and Body
- O punch and X punch device available
- Choice of Sewing machine, or Ultrasonic welding head for sewing/welding the edge of the FIBC fabric
- Easy operation

*Speed varies with different sizes and quality of fabric

Technical data

FIBC conversion line

Model Number	ABMM-20	ABMM-30
Application	Cutting only	Cutting with both side sewn/welded
Fabric width	400-2400 mm	900-1300 mm
Fabric length	600-6000 mm	600-6000 mm
Max. production capacity	24 pcs/min	24 pcs/min

*Speed varies with different sizes and quality of fabric



5.5 Conversion line – FIBC accessories



High speed automatic needle loom dedicated for producing carrying belt and filler cord used for FIBC.

Technical data

High Speed Automatic Needle Loom

Model Number	PH-4/65	PH-8/30
Application	Carrying loops	Filler cord
Suitable Material	PP/Polyester	Carpet Yarn
Number of output tapes	4 tapes	8 tapes
Loop Width	35-45mm	8mm
Bobbin Creel	600 Ends	224 Ends
Max. Speed	1100 RPM	1100 RPM

*Speed varies with different sizes and material



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

5.6 Conversion line – FIBC loop cutting



Automatic loop cutting machine for producing carrying belt used for FIBC

Technical data

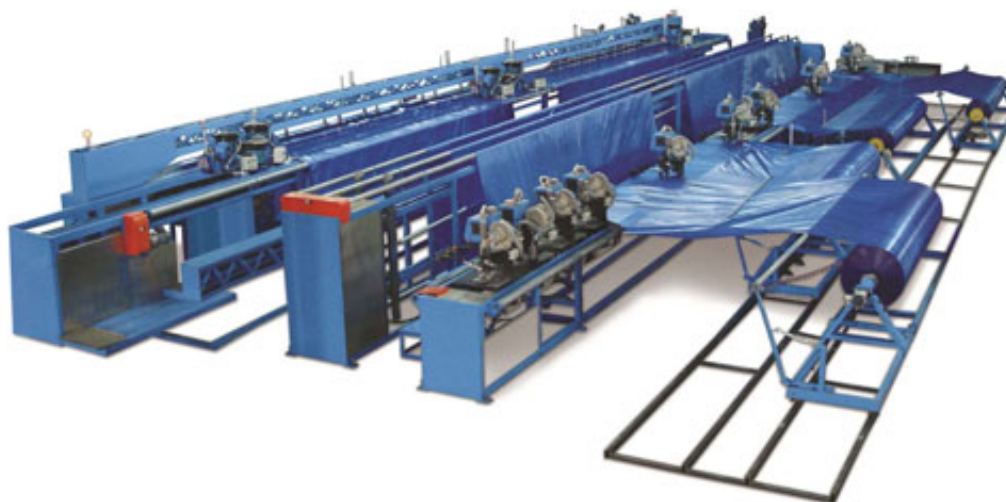
Automatic cutting machine (for loops)

Model Number	PH-LC160
Application	Cutting loops
Loop Width	Max. 160 mm
Max. production capacity	10 - 14 pcs/min

*Speed varies with different sizes and quality of fabric



6.1 Tarpaulin Making Line (Automatic Line)



Our automatic tarpaulin making line is designed to weld multiple rolls together with 2 side eyeleting, and cut to desired length simultaneously.

Specification

- Electrically controlled unwinder minimizes manual handling efforts
- Automatic fabric tension control
- Minimized human work while optimizing production efficiency and product quality
- Max. Welding speed 30M/min
- Precise eyeleting technique brings maximum production rate with automation
- Cut to desired length capability ensures accurate product size.

*Speed varies with different quality of fabric, and application

Technical data

Automatic Tarpaulin Making Line

Model Number	PH-5380
Suitable Material	PE laminated woven fabric
Speed of Welding	Max. 30M/min
Rope size	Ø 3 mm – Ø 6 mm
Input fabric roll width	Customization from 1.5M – 4M
Output Tarpaulin Fabric Width	Customization from 3M – 24M
Suitable Eyelet Material	Iron and Aluminum Eyelets
Seam width	32mm

*Speed varies with different quality of fabric, and application



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

6.2 Tarpaulin Making Line (Manual Type Welding Machine)

With user-friendly and flexible machine design, the standalone welding machines are capable to produce strongest seams without extra adhesive.

Specification

- Max. Welding speed 35M/min
- Simple foot pedal controls for fabric clamps and weld head action
- Touch screen control available as optional equipment

*Speed varies with different quality of fabric, and application

Technical data

Manual Type Welding Machines

Model Number	PH-6003	PH-101	PH-201	PH-601
Application	Welding Multiple Fabric Rolls Together	Side Welding & Rope Insertion	Welding Multiple Fabric Rolls Together	Side Welding & Rope Insertion + Welding Multiple Fabric Rolls Together
Suitable Material	PVC Tarpaulin, PE Tarpaulin	PVC Tarpaulin, PE Tarpaulin	PVC Tarpaulin, PE Tarpaulin	PVC Tarpaulin, PE Tarpaulin
Speed of Welding	Max. 9M/min	Max. 20M/min	Max. 35M/min	Max. 20M/min
Rope size		Ø 3 mm – Ø 6 mm	-	Ø 3 mm – Ø 6 mm
Input fabric roll width	-	-	Customization from 1.5M – 4M	-
Seam width	32mm, 40mm, 50mm	32mm	32mm	32mm

*Speed varies with different quality of fabric, and application



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610



6.3 Tarpaulin Making Line (Manual Type Eyeleting Machine)

New generation of eyeleting machine ensures highest precision to reach maximum production stability and efficiency.

Specification

- Suitable for Aluminum and Iron eyelets

*Specification varies with different input

Technical data

Manual Type Eyeleting Machine

Model Number	PH-5701	PH-701AL
Application	Eyeleting	Eyeleting
Suitable Fabrics	PVC Tarpaulin, PE Tarpaulin	PVC Tarpaulin, PE Tarpaulin
Eyelet Material	Iron eyelets	Iron and Aluminum eyelets
Applicable Eyelet Size	Upon request	Upon request

*Specification varies with different input



6.4 Tarpaulin Making Line (Manual Type Packing Line)

Finishing touches for tarpaulin packing.

Technical data

Machine	Automatic Sealing Line	Automatic Strapping Line
Model Number	PH-820V	PH-830V
Application	Tarpaulin Packed in sealed plastic film	Strapping for Packed Tarpaulin
Capacity	20-25 seconds per action	2.2 seconds per strap



7.1 Paper Cement Sack Making Line – (Tubing and Printing)



Automatic tubing process produces multi-ply printed Kraft Paper bags in 1 line. Applications of gusset and valve forming available on the same line. Inline flexographic printing from 1 to 4 color.

Specification

- Maximum production capacity 250 pcs/min
- Up to 6 ply
- Printing stations available for selection
- Easy operation with automation

*Speed varies with different sizes of material, and quality of material

Technical data

Tubing Machine

Model Number	PH-15M	PH-26MP
Capacity (tubes/min)	Max. 250	Max. 160
Cutting Length	508~1,092mm 1,016~2,032mm	508~1,092 mm
Tube width (gusset)	368~495 mm	368~495 mm
Tube width (flat)	368~597 mm	368~597 mm
Gusset Width	50~152 mm	63~152 mm
Valve extension height	25~51 mm	25~63 mm
Valve extension width	57~76 mm	57~76 mm
Number of ply	Up to 6	Up to 6
Paper width	Max. 1,220 mm	Max. 1,220 mm
Paper roll diameter	Max. 1,000 mm	Max. 1,300 mm
No. of Printing station	-	1 – 4 Color

*Speed varies with different sizes of material, and quality of material



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

7.2 Paper Cement Sack Making Line (Automatic sewing line)



Finish touch of automatic sewing line produces final product of Kraft paper cement sack.

Specification

- Maximum production capacity at 50 pcs/min
- Equipped with NEWLONG sewing machines
- Up to 6 ply

*Speed varies with different sizes of material, and quality of material

Technical data

Automatic Sewing Line

Model Number	PH-VF2S	PH-VF2S-L
Capacity	Max. 45 bags/min	Max. 50 bags/min
Tube Length	500 – 863 mm	660 – 1100 mm
Tube width	420 mm	419 – 545 mm
Gusset Width	63 – 127 mm	76 – 200 mm
Stitch Range	7 – 12 mm	7 – 12 mm
Number of ply	Up to 6	Up to 6

*Speed varies with different sizes of material, and quality of material



8.1 Hydraulic Bale Press



The bale press was specially designed for the packing of woven sack application with easy operation. Finished bales are suitable for domestic or international transportation. Special pressing capacity of bale press can be provided upon request.

Technical data

Hydraulic Bale Press

Model Number	PH-30T	PH-60T	PH-100T	PH-200T
Application	Bale Press	Bale Press	Bale Press	Bale Press
Pressing Capacity	30 TON	60 TON	100 TON	200 TON
Size of table	Customization	Customization	Customization	Customization



8.2 Waste Yarn Bobbin Cleaning Machine



Dedicated design for removing waste yarn on bobbins with high efficiency

Technical data

Waste Yarn Bobbin Cleaning Machine

Model Number	PH-WYBC
Application	Removing waste yarn on bobbins
Input material	Iron / Aluminum bobbins
Production Output	15 – 30 bobbins/min

*Speed varies with different material of bobbins



8.3 Strip Slitter



Slitting paper rolls, or laminated woven fabric rolls. Cylinder driven unwinder with optional choice of shaftless unwinder. In-house designed bow roll to avoid over lapping for the finish rolls.

Technical data

Model Number	PH-Slit
Application	Paper rolls, Laminated Woven fabric rolls
Cloth width (max.)	1000 mm
Roll diameter on unwinding stand	1300 mm
Roll diameter on rewinding system	800 mm
Rewind core size	I.D. 100 mm cardboard core
Operating speed (max.)	100 m/min

Customization available upon request



9.0 Recycling line – Pelletizing



The recycling line transforms re-granulate to pellet form as a valuable secondary resource which could be used again in production. It helps the customer reduce the percentage of waste materials produced during manufacturing, and creates sustainability for our environment.

Specification

- Top feeding and side feeding for selection
- Takes various type of plastic waste material
- Metal detector available as optional device
- Vibrating screener available as optional device
- Easy operation and maintenance

*capacity varies with different input of waste material

Technical data

Model Number	PH-WPR series	PH-WPR-L series
Input of waste material	PP,LDPE,HDPE,LLDPE	PP,LDPE,HDPE,LLDPE
Production capacity	60 – 350 KG/hour	350 – 600 KG/hour
Storage Barrel	1000 L	1000 L

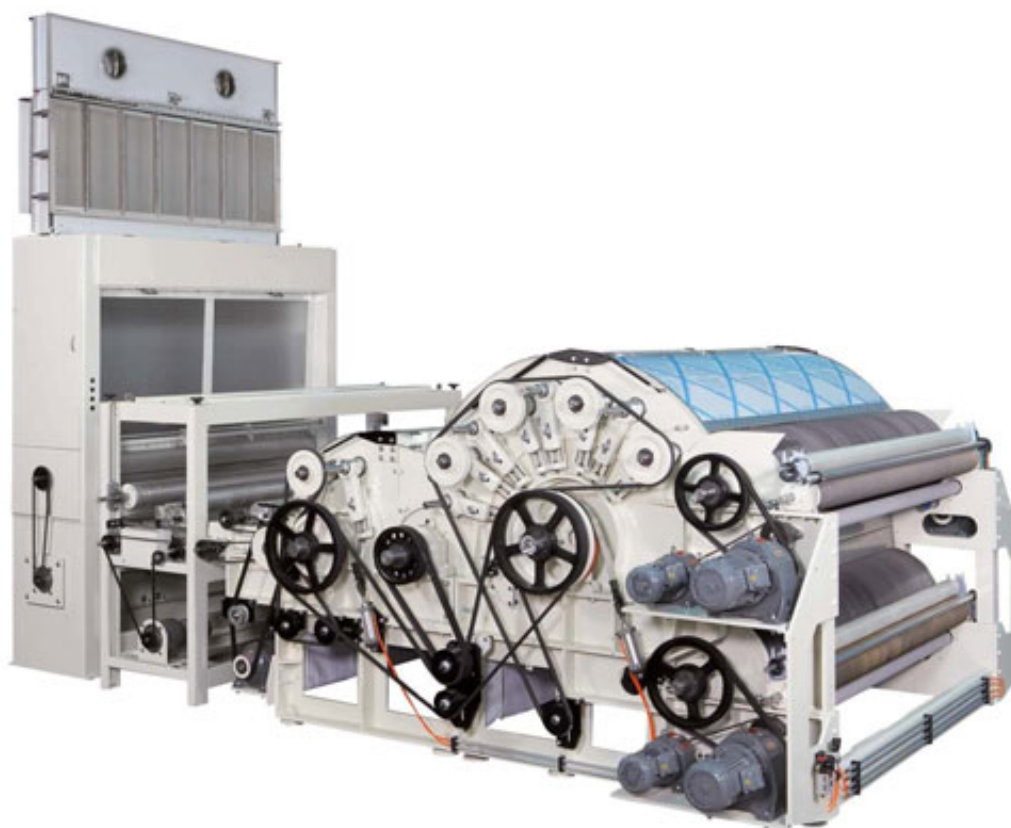
*capacity varies with different input of waste material



Non Woven Production



1. Carding Section



A complete carding section including fiber pre-opener, blend bin, fine opener, hopper feeder, weight pan, carding machine, cross lapper and other peripheral equipment. Taylor made complete carding line according to customer's needs leads to great flexibility of production

Specification

- Double cylinder carding machine available upon request
- Metal detection available upon request
- Automatic weight correction ensures proper amount of feeding
- Safety lock system available upon request
- Customization upon request

Technical data

Machine	Carding Machine
Working Width	1500 - 3200 mm
Control Panel	Key pad, or Touch panel

(Machine specification is subject to change)



PHYLLIS CO., LTD.

www.phyllis.com.tw

phyllis.tw@msa.hinet.net

+886-2-2522-2610

2. Needle Punching Section



A complete needle punching section including feeding system, pre-needle punching machine, finish needle punching machine, edge cutter, and other peripheral equipment. Taylor made complete needle punching line according to customer's needs leads to great flexibility of production. Wide range of application covers geotextile, car carpet, filtration, mattress, and more.

Specification

- Vibration free design reaches maximum stability and lower noise
- Automatic lubrication design of all main bearings combined with unique protection devices extends spare part life time
- Double needle board design available
- Customization upon request

Technical data

Machine	Needle punching machine
Working Width	Up to 6 Meter wide
Production speed	1 – 10 M/min
Control Panel	Key pad, or Touch panel

(Machine specification is subject to change)



3. Pressing and Drying Section



A complete pressing and drying section including heat pressing rollers, oven dryer, embossing rollers, cooling system, accumulator, cutters, winders, and other peripheral equipment. It furnishes the final product with different extent of hardness and touches.

Specification

- Optimum design of air flow ensures proper heating on the non-woven materials
- Energy saving design

Technical data

Machine	Heat dryer
Working Width	Up to 4.5 Meter wide
RPM	Max. 150 M/min

(machine specification is subject to change)



Accessories



Circular Loom

Consumable spare parts, and special upgrade kit are available upon request

Conversion Line

Consumable spare parts and electrical components available upon request

Sewing Machine

With our great numbers of customer bases, we are offering competitive prices of consumable spare parts for NEWLONG, Juki, Union Special sewing machines and other brands.

In addition, as a new trend of green industry is emerging, we added special Servo Motors for sewing machines as our new items. The main advantages of servo motors over traditional clutch motors are as the following. More information is available upon request.

1. Lighter weight and smaller size
2. Power saving with high efficiency
3. Compatible to any type of sewing machine
4. Simple upgrade

Air Shaft

High quality air expanding shafts used on printing machine, lamination machine, coating machine, slitting machine, bag making machine, and rewinders for application of textile, paper, film, foil and plastic are available upon request.

