

## Circular Knitting Machinery

Tien Yang Knitting Machinery Co., Ltd. is specialized in manufacturing of circular knitting machine in Taiwan since 2000. Based on the management philosophy "Quality First, Customer First, Innovation Always, Profits Share," we have accumulated innumerable experiences and professional knowledge in designing, making knitting fabric and circular knitting machines. In line with the knitting mills, we have designed the machines to satisfy their needs. The R&D team in our company has developed several kinds of innovative knitting machines and patented components/parts, and those are patented from many countries in the world.. Moreover, the hardware systems and drawing software for auto striper circular knitting machines and piezoelectric ceramic actuators were also successfully developed. Those can be applied to a variety of knitting machines, gauges, and auto striper and Jacquard circular knitting machines with a stable quality and excellent performance. TIEN YANG has grown to be a leading supplier in the filed of circular knitting machine.

To ensure a stable quality of machines and increase the amount of capacity, we have invested a great amount of money in advance producing appliance and equipment, such as Computer Milling/Lathe/Grinding/Jumbo Horizontal-vertical Center machines, etc. The CNC equipment aims to enhance the accuracy of parts, shorten producing procedures, and reinforce the producing technology.

In addition to offering warranty, we also provide our users technical support and educational training, so they will be familiar with the efficiency of machines thoroughly in order to achieve the highest amount of productivity and the best quality of fabric. The goals we have been pursuing include:

- To produce high production, speed, and value of the fabric of circular knitting machines.
- To create higher levels of quality and high service life of the machines.
- To increase customers' profits greatly.
- For expanding our sales network, you will be a great honor as one of Tien Yang members to share profits and create brilliant future with us together.

**Quality First,  
Customer First,  
Innovation Always**



2016

Certificate of 2016 D&BTOP 1000 SMEs Elite Award

2015

Launch TienYang patented actuator (2 way/3way)  
with electromagnetic design

2014

Launch TienYang patented electronic yarn feeder

2009

Launch Single Jersey / Double Knit Computerized Auto  
Striper with Jacquard Circular Knitting Machine

2007

Launch Single Jersey / Double Knit Computerized  
Jacquard Circular Knitting Machine

2005

Launch Single Jersey / Double Knit Computerized Auto Striper  
4 (6) colors Circular Knitting Machine

2004

Launch Terry Computerized Jacquard Circular Knitting Machine

2000

TienYang Knitting Machinery Co., Ltd. established

## SALES TERRITORY



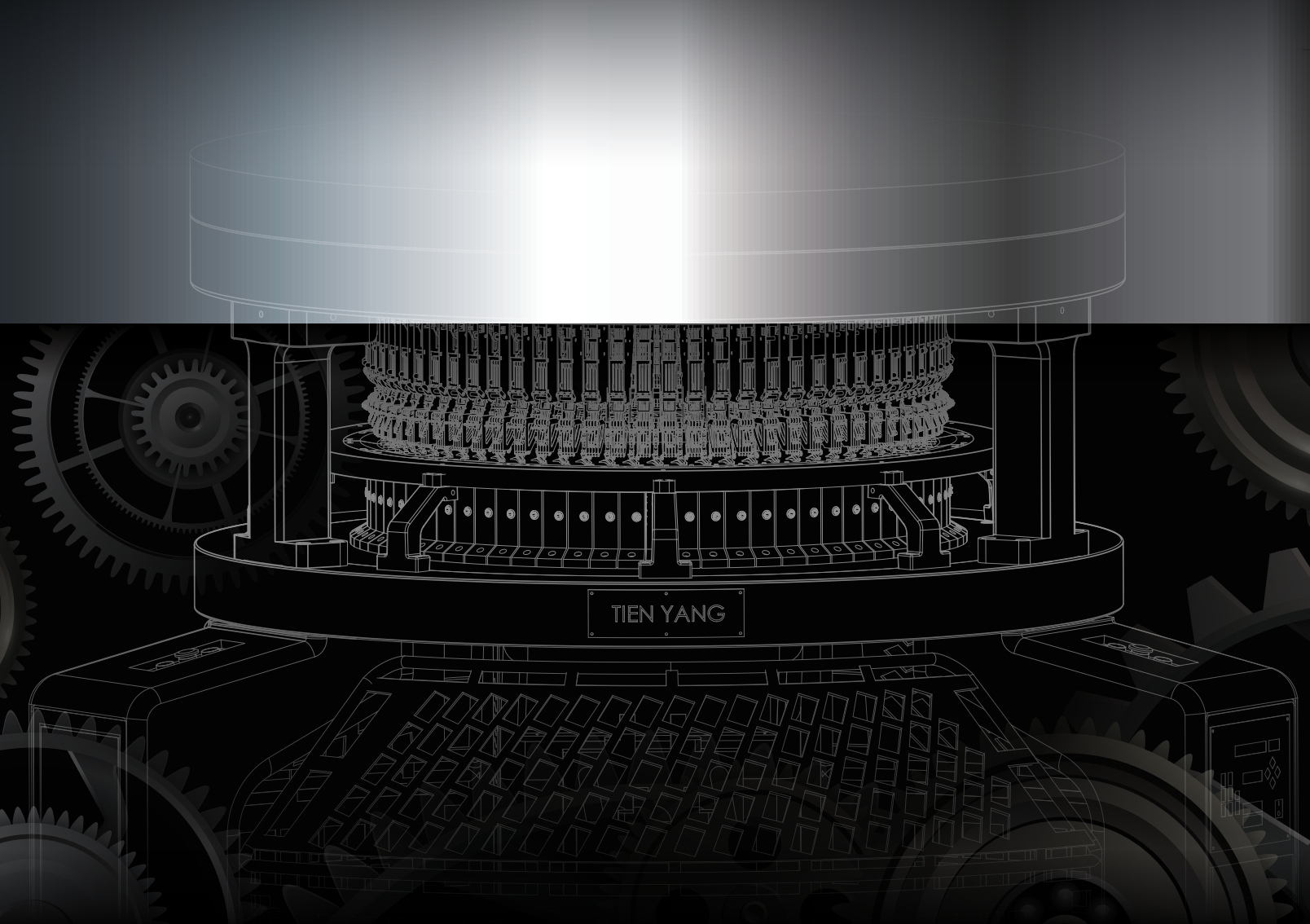
China  
Korea  
Thailand  
Indonesia

Vietnam  
India  
Bangladesh  
Iran

Turkey  
Egypt  
Syria  
Bulgaria

Mexico  
Brazil  
Chile





## MECHANISM FEATURES

- Unique casting design of concentric circle and V-shape track (not hirly race ball bearing) maintains the circle rate and the main gear running in the same horizontal rate, to last the machine life.
- Using oil bath lubrication for the main frame and gear to minimize friction.
- The unique design of CSA (Central Stitch Adjustment) system is very easy to use.
- The manual handlebars fine-tuning systems allow to finely tuning the main gear from any position of machine. Easy to correct and operate the machine.
- The central base of interlock dial adopts patented by preloading structure method to support the bearing seat. Adjusting the bearing seat is not necessary.
- Easily adjust the main screws for tuning the needle gating of dial cylinder and cylinder, fast and convenient.
- Electrical equipment passes through the international safety tests.
- Unique design of cam produces the beautiful formation of fabric and extends needles and sinkers life which decreases costs as well.

## Color Selector (4 / 6 colors)

- Vertical shape design with less fluff and easy cleaning, less stain on fabric
- Small & compact design for high speed performance & long-term use
- Patented design for knitting all various yarns
- Patented yarn cutting system, durable knife for long-term use

**Patented**



## Automatic Yarn Delivery Device (Double hook yarn feeder)

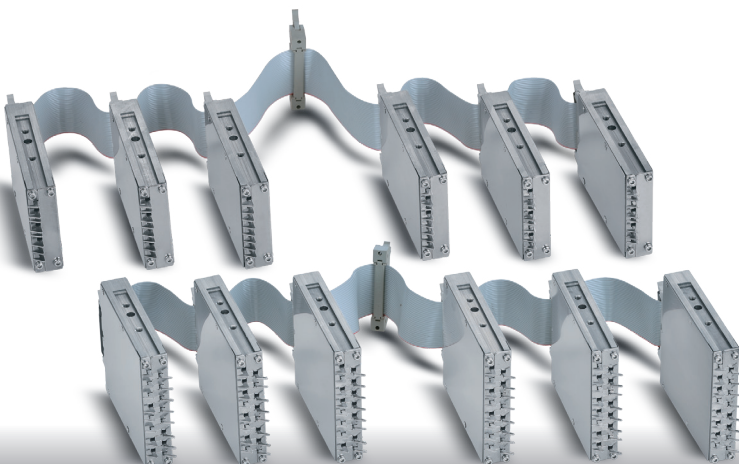
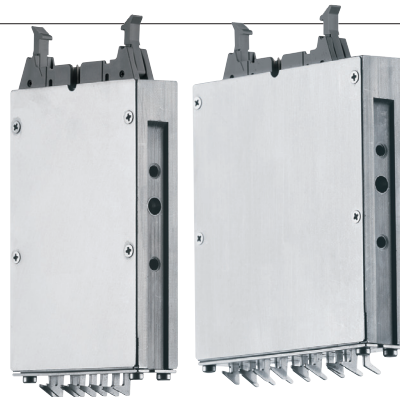
- More stable yarn delivery than traditional single hook yarn feeder
- Less yarn broken and yarn wrapping back when knitting filament yarn
- Less slippery on rubber band, less barr'e on fabric
- Less friction between yarn and rubber band, reduce flying fluff and rubber band loss
- Can accelerate speed of RPM with higher productivity

**Patented**

## Actuator (2 / 3 way)

- Speedy & stable
- Special & unique design for running under bad working conditions
- High speed performance

**Patented**



## Control Box

- High capacity of memory for patterns
- Both for striper pattern and jacquard pattern
- Unique pull-down computer operating screen for easy learning
- Adopting USB device is easy for using & saving pattern data from computer



# AUTO STRIPER with JACQUARD Series

**Single Jersey / Double Knit  
Computerized 6 (4) Colors**

Auto Striper with Jacquard Circular  
Knitting Machine

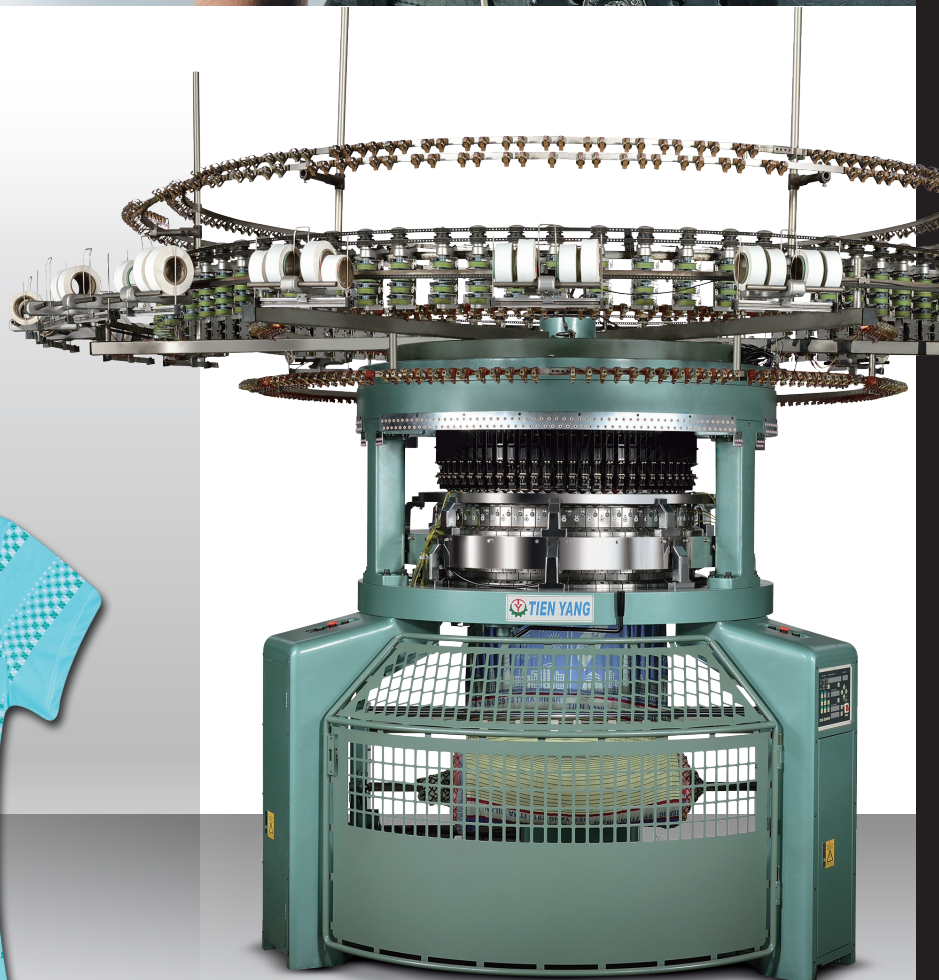


TY-SJ-C4J

TY-SJ-C6J

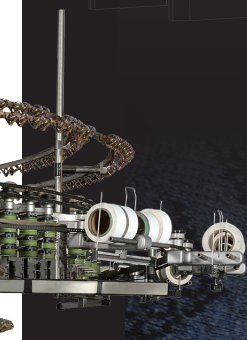
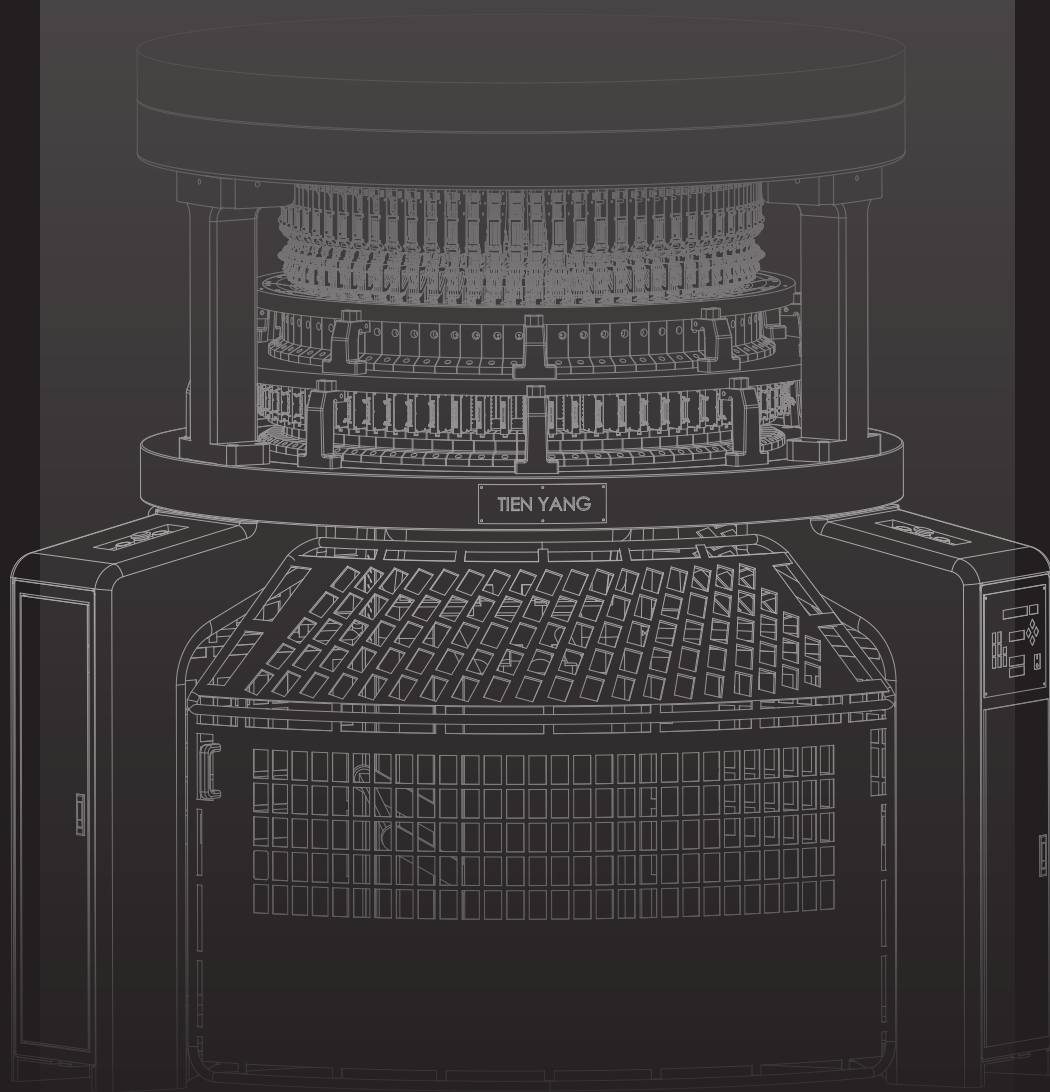
TY-DK-C4J

TY-DK-C6J

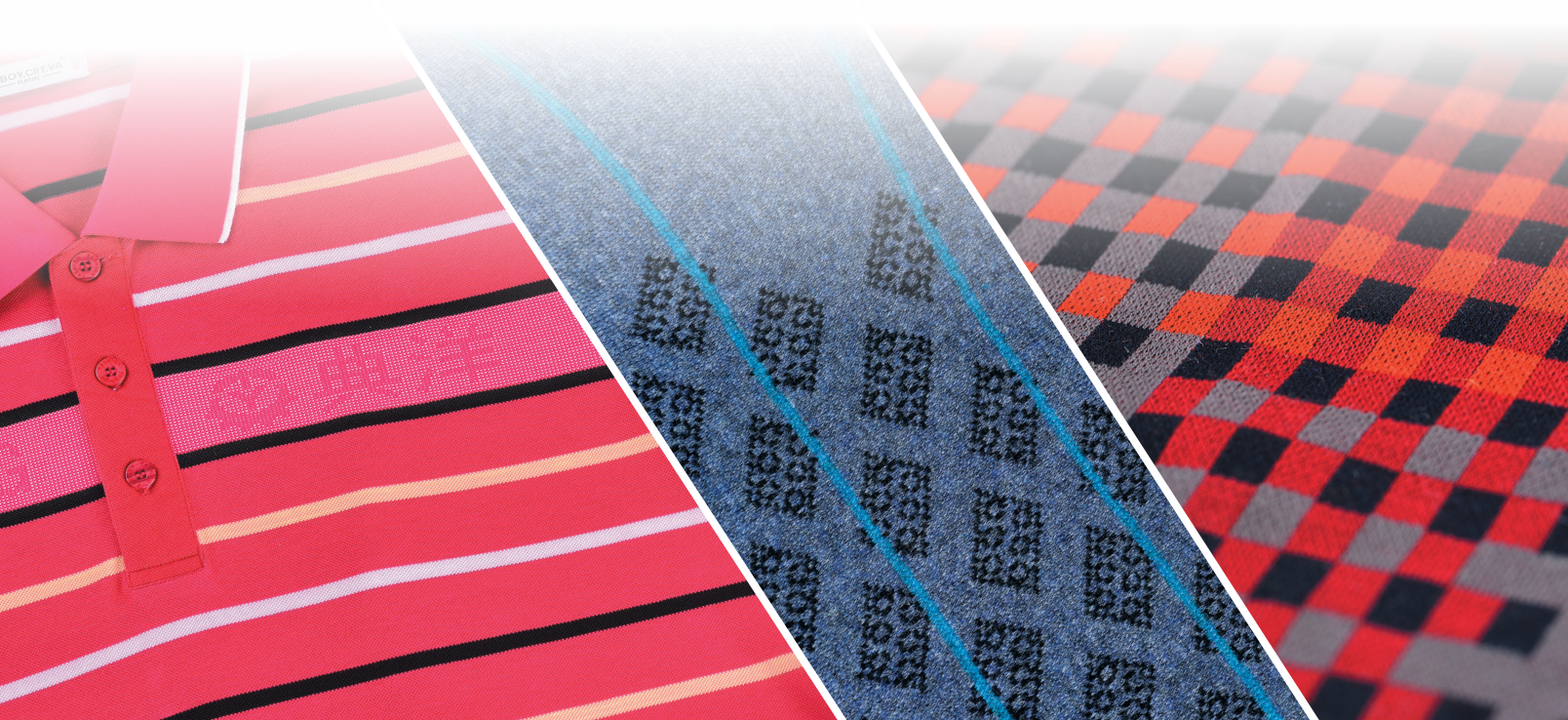


\* Machine photo includes optional items





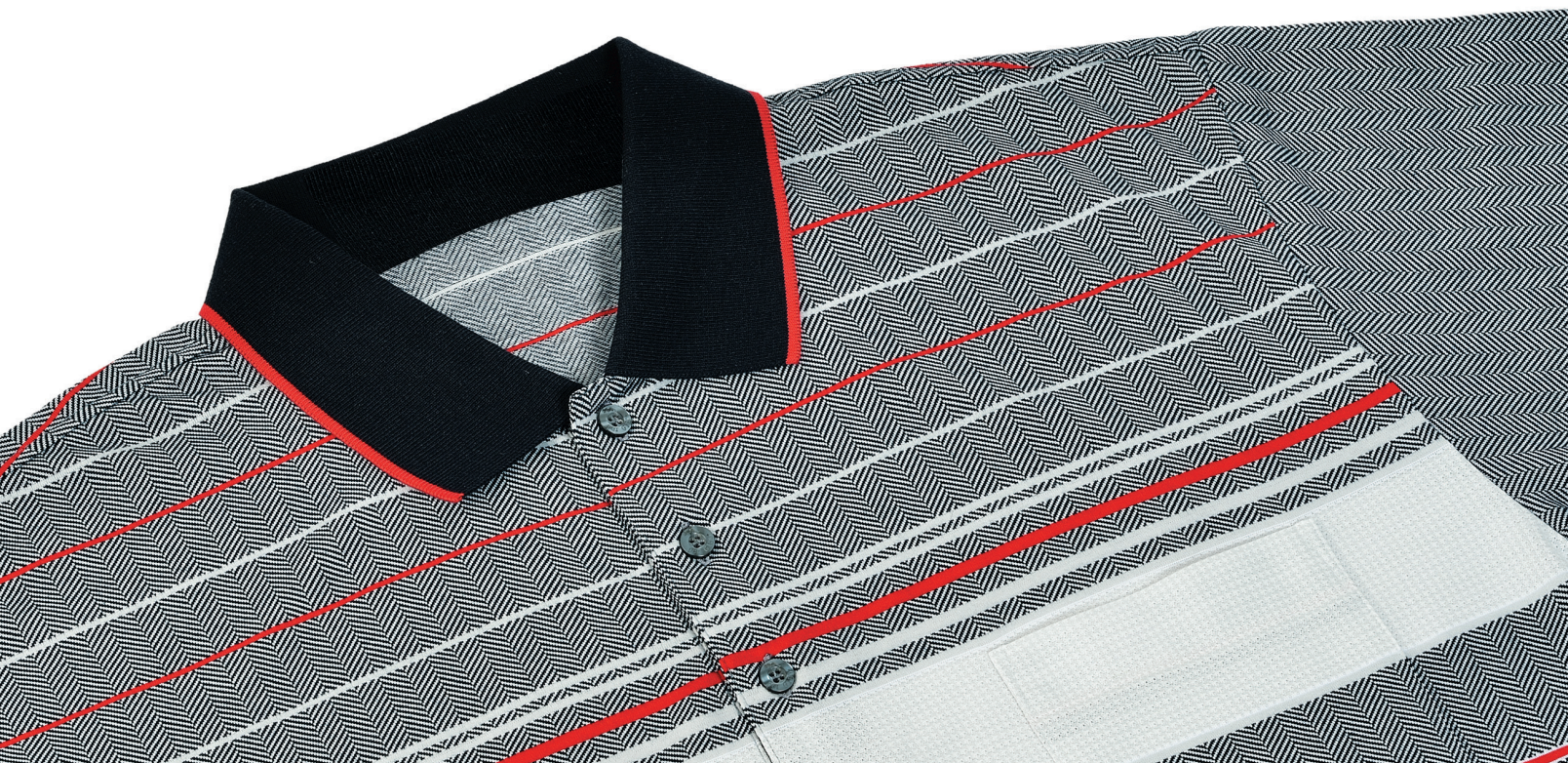




## Single Jersey / Double Knit Computerized 6 (4) Colors

### Auto Striper with Jacquard Circular Knitting Machine

- Unique design of color selector patented in many countries, compact structure, less fluff.
- Patented yarn cutting system of color selector is durable for long-term use, with stable color selecting and high capacity.
- 3-way actuator system with stable operation system.
- Simple computer system is easy learning , operation, and user friendly design both for striper and jacquard patterns.
- Unique pull-down computer operating screen for simple using.
- Adapting USB device is easy for saving and using pattern data from computer.
- Unique patented double hook yarn feeder for best performance and excellent quality fabric.
- The rolling machine adopts step-less sections with folding function, dense and average in changing speed, larger pack up extent, easy to use.
- Via electronic color selecting system, hardware and software system , showing best combination for single jersey striper and jacquard.

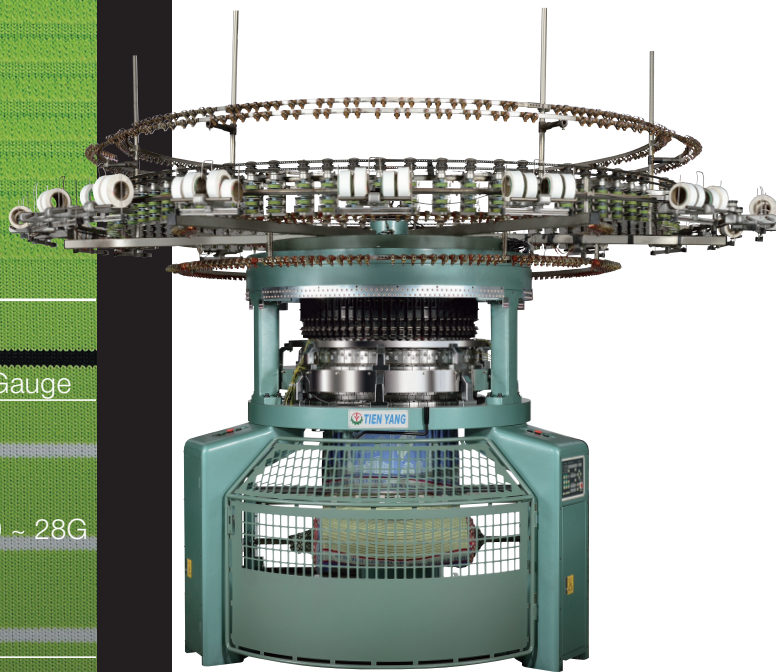




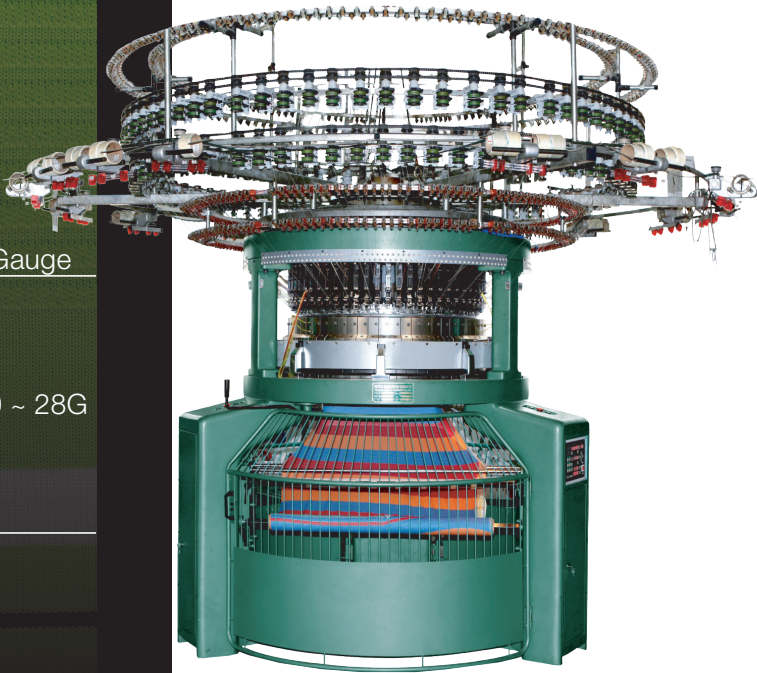
# Specification

		Diameter	Gauge
TY-SJ-C4J	Single Jersey Fully Jacquard <b>4 Colors</b> Auto Striper	30" ~ 38"	10 ~ 28G
TY-SJ-C6J	Single Jersey Fully Jacquard <b>6 Colors</b> Auto Striper		

		Diameter	Gauge
TY-DK-C4J	Double Knit Fully Jacquard <b>4 Colors</b> Auto Striper	30" ~ 40"	10 ~ 28G
TY-DK-C6J	Double Knit Fully Jacquard <b>6 Colors</b> Auto Striper		



\* Machine photo includes optional items



\* Machine photo includes optional items



# AUTO STRIPER Series

**Single Jersey / Double Knit /  
3 Thread Fleece / Terry /  
Velour**

Computerized 6 (4) Colors  
Auto Striper Circular  
Knitting Machine



TY-SJ-C4  
TY-SJ-C6

TY-3F-C6  
TY-T-C6  
TY-V -C6



\* Machine photo includes optional items





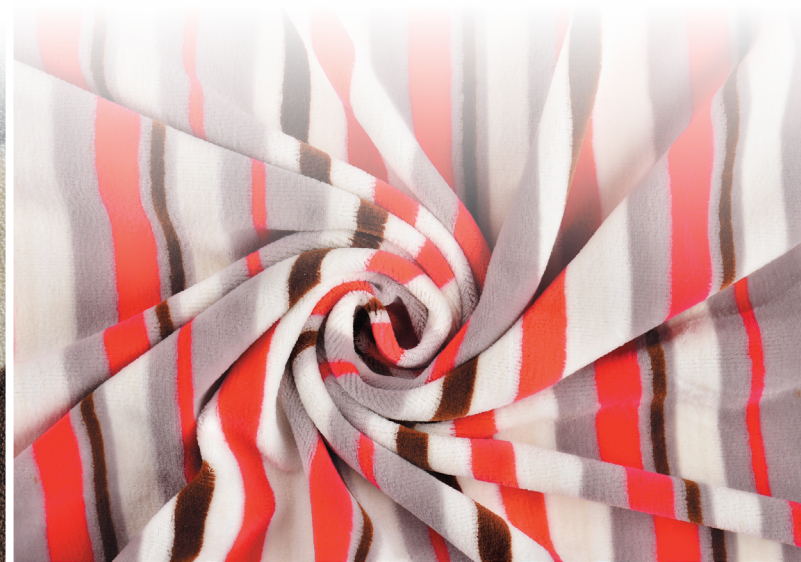
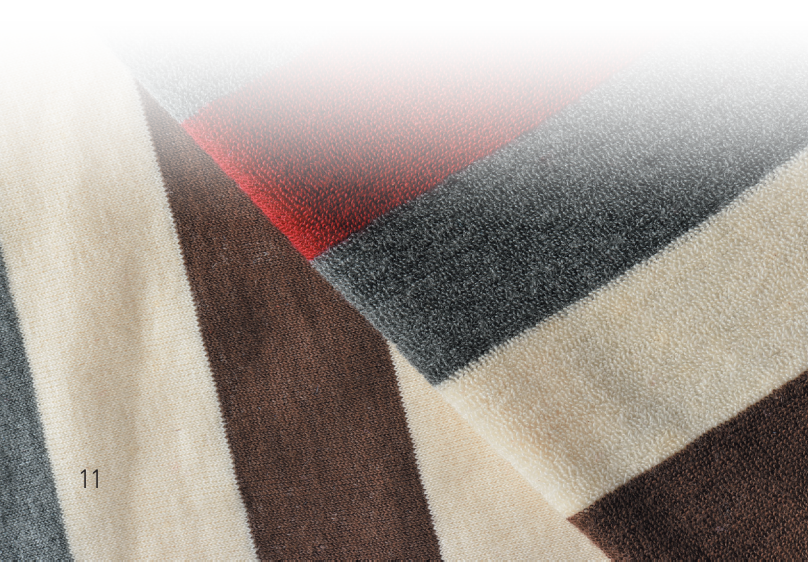




## Single Jersey / Double Knit / 3 Thread Fleece / Terry / Velour Computerized 6 (4) colors

### Auto Striper Circular Knitting Machine

- Unique design of color selector patented in many countries, compact structure, less fluff.
- Patented yarn cutting system of color selector is durable for long-term use, with stable color selecting and high capacity.
- Simple computer system is user-friendly design for easy learning and operation.
- Unique pull-down computer operating screen for simple using.
- Adapting USB device is easy for saving and using pattern data from computer easily.
- Unique patented double hook yarn feeder for best performance and excellent quality fabric.
- Via electronic color selecting system, hardware and software system, showing best combination for striper fabric.

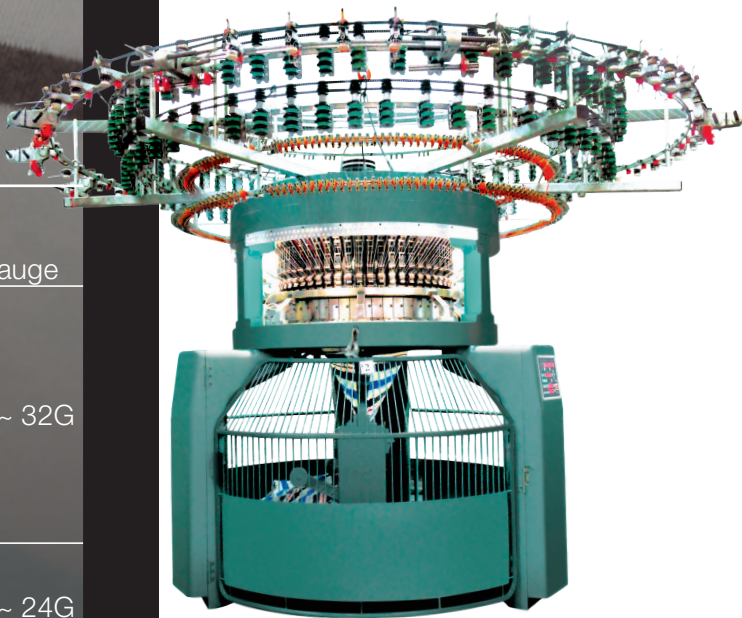




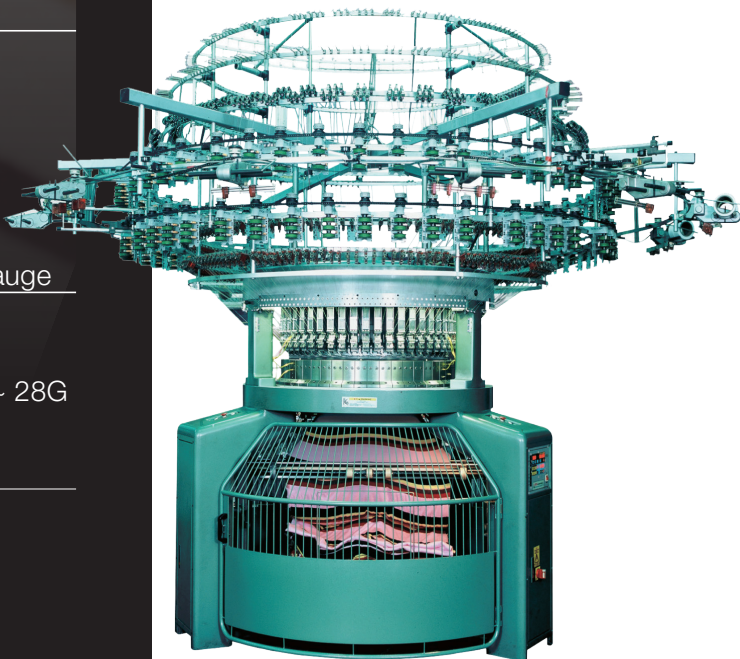
# Specification

		Diameter	Gauge
TY-SJ-C4	Single Jersey Auto Striper <b>4 Colors</b> Knitting Machine	30" ~ 38"	10 ~ 32G
TY-SJ-C6	Single Jersey Auto Striper <b>6 Colors</b> Knitting Machine		
TY-3F-C6	3-Thread Fleece <b>6 Colors</b> Auto Striper Knitting Machine	30" ~ 36"	16 ~ 24G
TY-T-C6	Polar Fleece Terry <b>6 Colors</b> Auto Striper Knitting Machine		16 ~ 28G
TY-V-C6	Velour Plush Terry <b>6 Colors</b> Auto Striper Knitting Machine		18 ~ 22G

		Diameter	Gauge
TY-DK-C4	Double Knit <b>4 Colors</b> Auto Striper	30" ~ 40"	10 ~ 28G
TY-DK-C6	Double Knit <b>6 Colors</b> Auto Striper		



\* Machine photo includes optional items



\* Machine photo includes optional items



# Computerized JACQUARD Series

**Single Jersey / Double Knit /  
Terry / Velour / Double face Terry**

Computerized Jacquard  
Circular Knitting Machine

TY-SJ-J

TY-SJ-JM

TY-T-J

TY-V-J

TY-DF-J

TY-DK-J

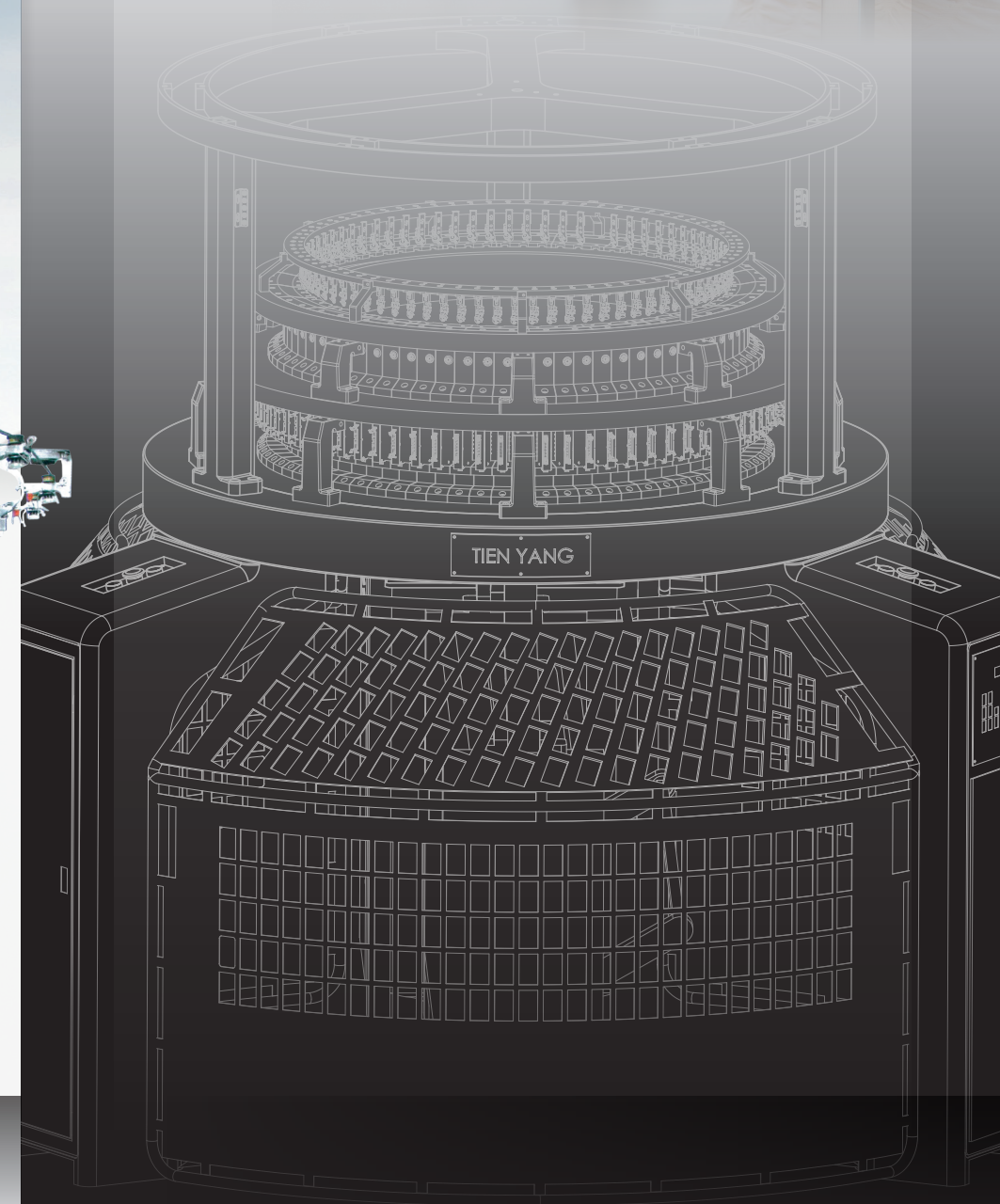
TY-DK-RT

TY-DK-RTJ

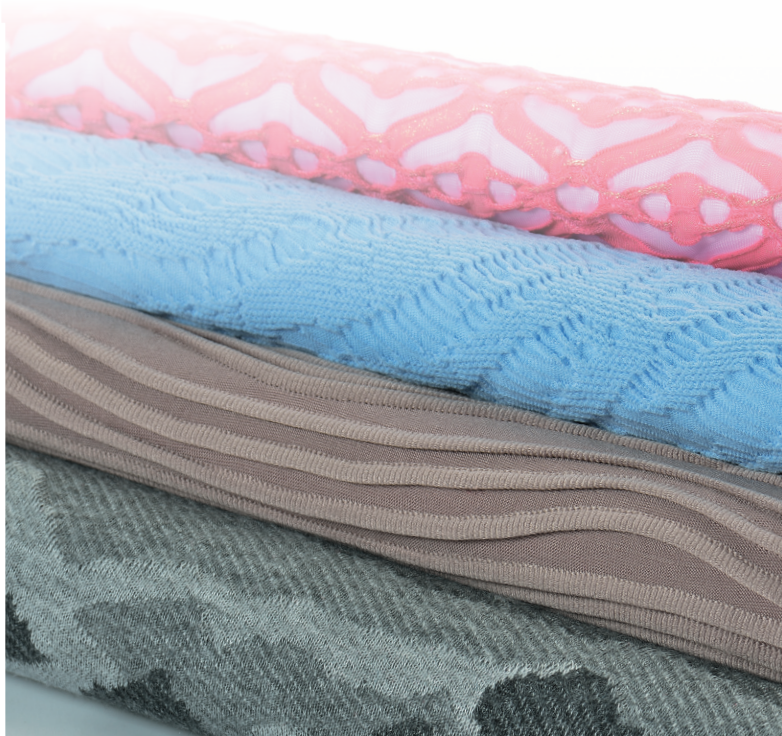


\* Machine photo includes optional items









## Single Jersey Computerized

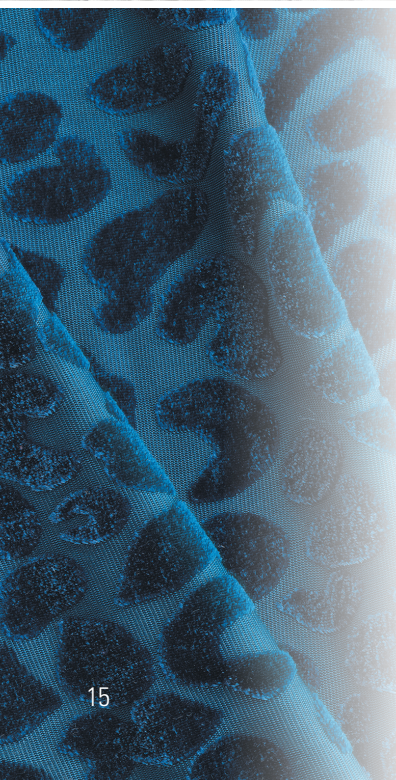
### Jacquard Circular Knitting Machine

- 3-way actuator system with stable operation system.
- Simple computer system is easy for operation and reading patterns via jacquard controller, quick and efficient.
- Adopting USB device card is easy for saving and using pattern data from computer easily.
- All full jacquard fabric can be knitted and enable knitting factory to knit any different pattern to increase fabric value.
- The rolling machine adopts step-less section, dense and average in changing speed, larger pack up extent, easy to use.

## Double Knit Computerized

### Jacquard Circular Knitting Machine

- 2-way / 3-way actuator system with stable operation system.
- Simple computer system is easy for operation and reading patterns via jacquard controller, quick and efficient.
- Adopting USB device is easy for saving and using pattern data from computer easily.
- All full jacquard fabric can be knitted and enable knitting factory to knit any different pattern to increase fabric value.
- The rolling machine adopts step-less section, dense and average in changing speed, larger pack up extent, easy to use.



## Terry / Velour / Double Face Terry Computerized

### Jacquard Circular Knitting Machine

- 2-way actuator system with stable operation system.
- Simple computer system is easy for operation and reading patterns via jacquard controller, quick and efficient.
- Adopting USB device is easy for saving and using pattern data from computer easily.
- Double face terry jacquard circular knitting machine is available for knitting soft fabric, such as bath towel, bathrobe, blanket.

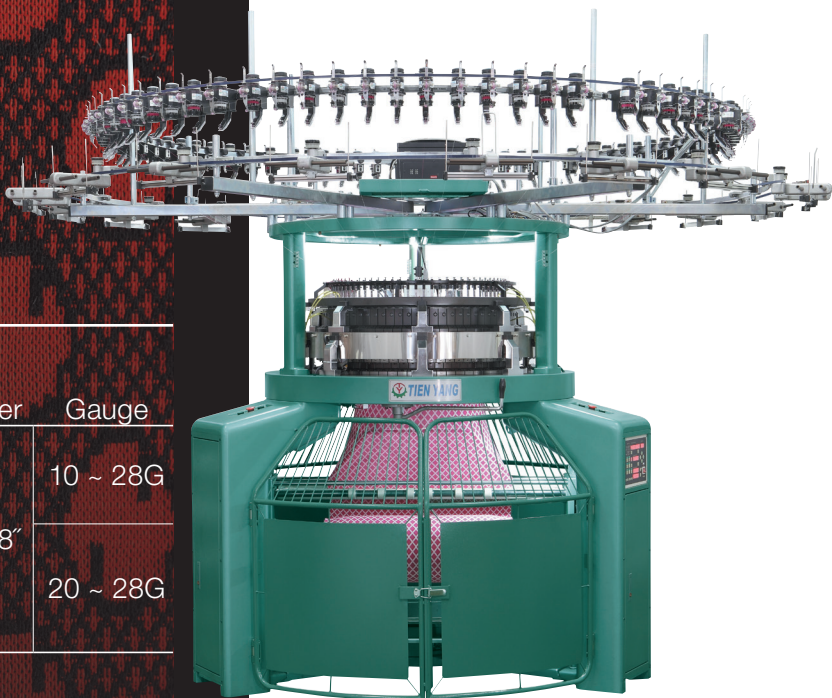


# Specification

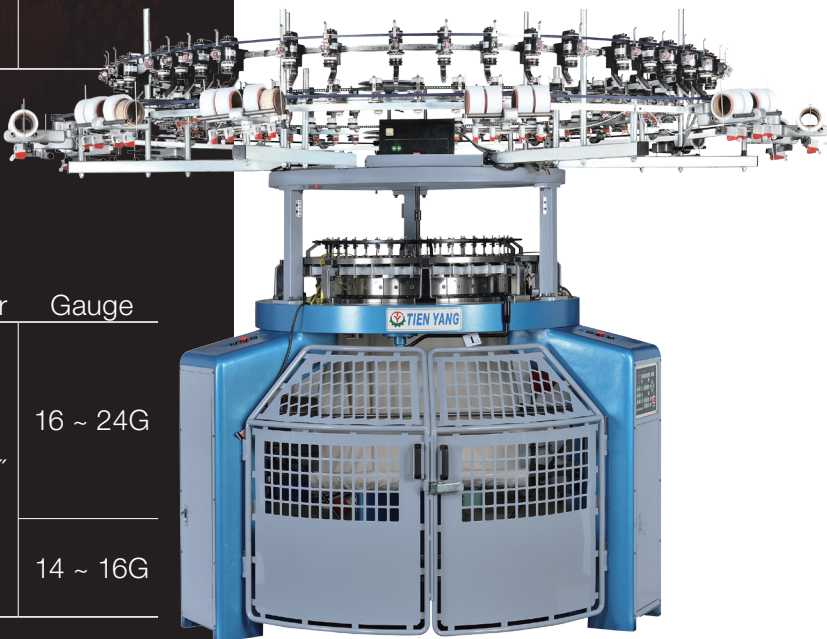
		Diameter	Gauge
TY-SJ-J	Single Jersey <b>Computerized Jacquard</b>	30" ~ 38"	10 ~ 28G
TY-SJ-JM	Single Jersey <b>Mesh Computerized Jacquard</b>		20 ~ 28G

		Diameter	Gauge
TY-DK-J	Double Knit <b>Computerized Jacquard</b>	30" ~ 40"	14 ~ 34G
TY-DK-RT	Rib Transfer	30" ~ 38"	12 ~ 18G
TY-DK-RTJ	Rib Transfer <b>Computerized Jacquard</b>		

		Diameter	Gauge
TY-T-J	Polar Fleece Terry <b>Computerized Jacquard</b>	30" ~ 34"	16 ~ 24G
TY-V-J	Velour Plush Terry <b>Computerized Jacquard</b>		
TY-DF-J	Double Face Terry <b>Computerized Jacquard</b>		14 ~ 16G



\* Machine photo includes optional items



\* Machine photo includes optional items





# TERRY MACHINE

Series

**Terry / Velour /  
Double face Terry /  
Shearing pile**

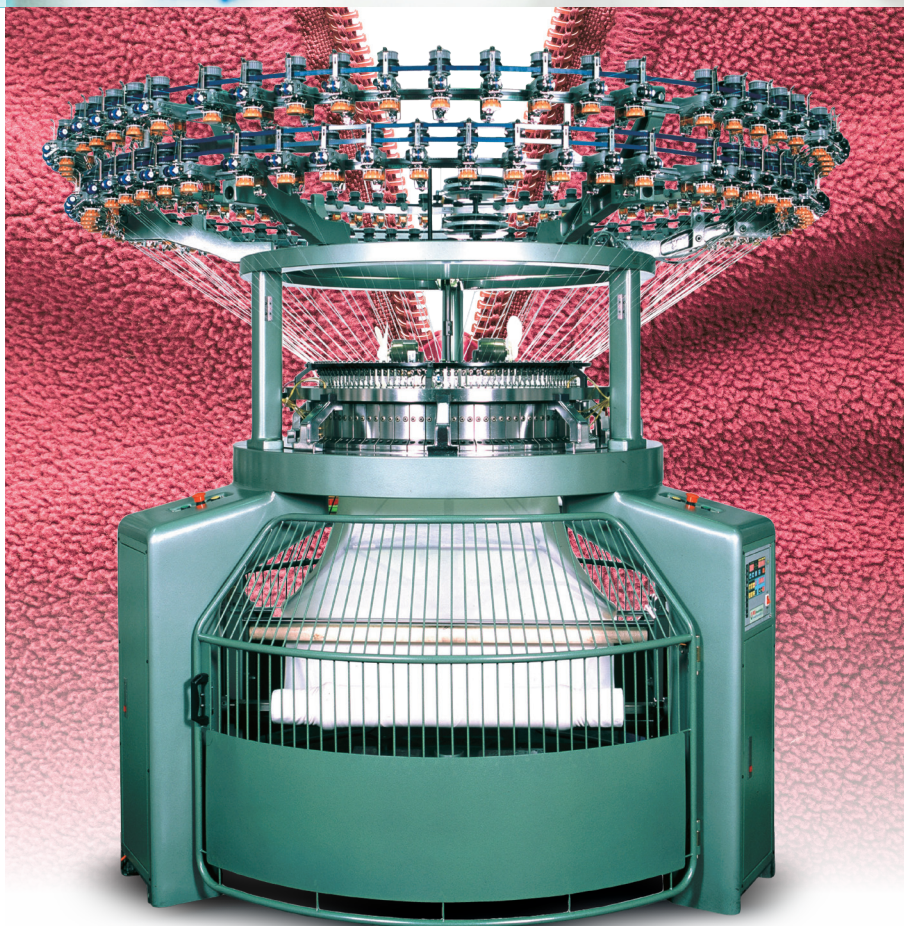
Circular Knitting Machine

TY-T

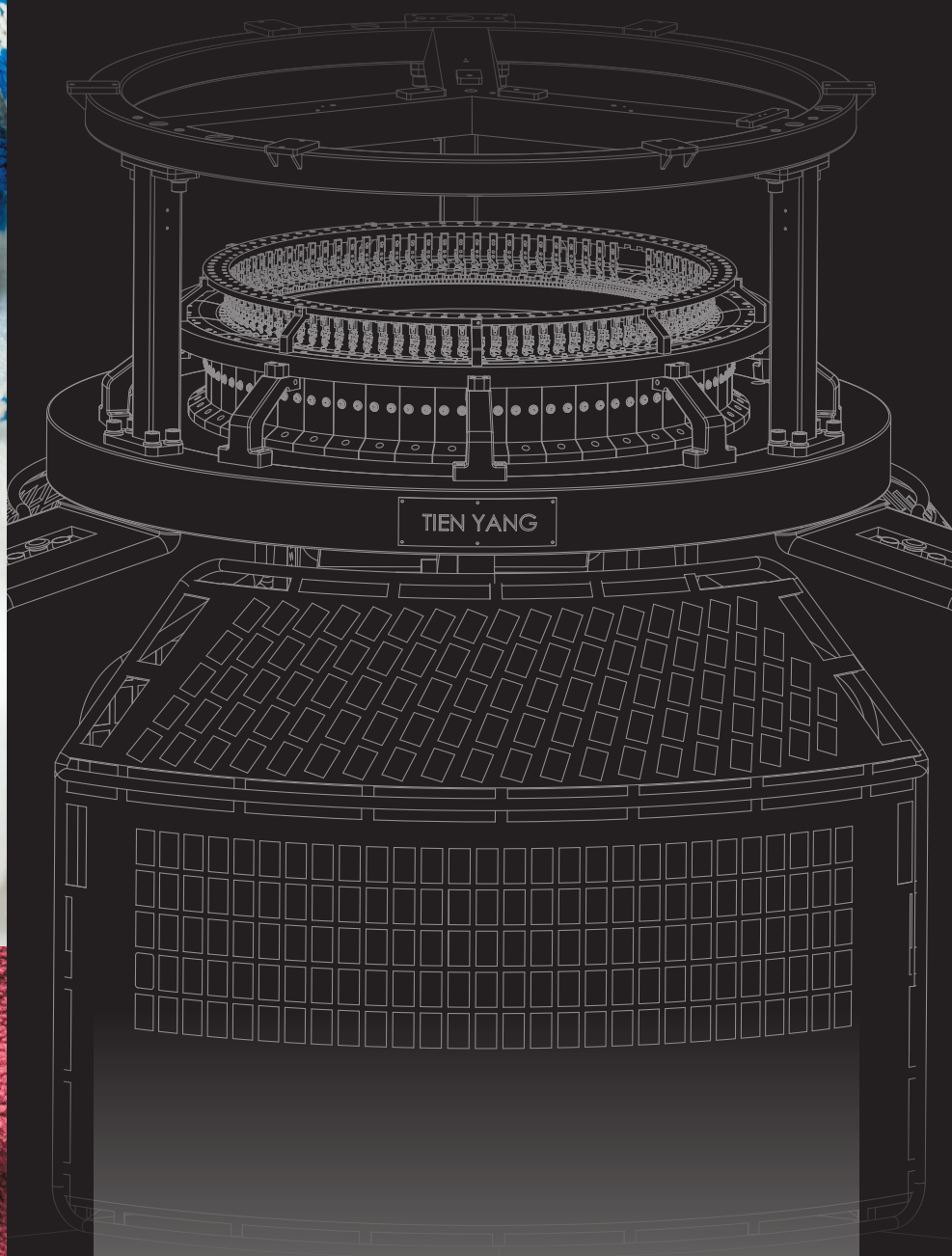
TY-SR

TY-V

TY-DF











## Terry / Velour / Double Face Terry

### Circular Knitting Machine

Various usages for high quality garment, sportswear, baby & children clothes, micro-fabric cloth, robe and various industrial fabrics.

The special-designed sinker

- Unique sinker design for even loop length, assure perfect velour fabric.
- Various sinkers with different loop lengths for customer's options.
- Less yarn consumption.

## Shearing Pile

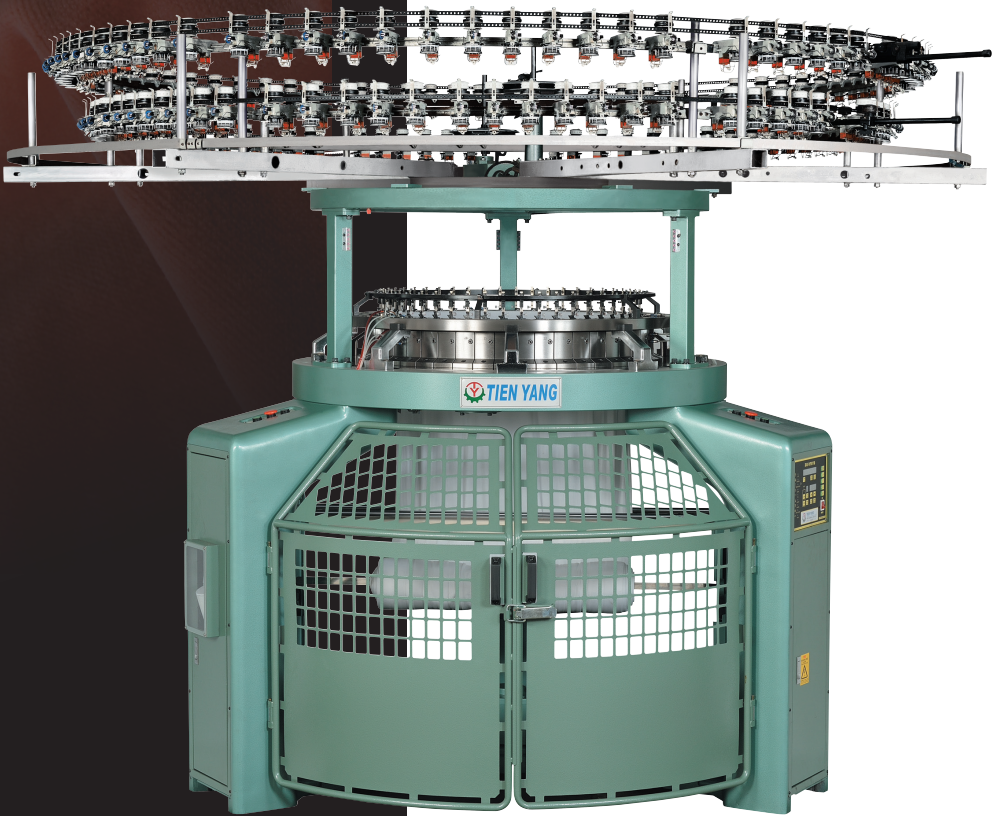
### Circular Knitting Machine

- Makes firm and constant loop construction for perfect flat and smooth surface, stable to operate in maximum speed, high quality and production guaranteed.
- During process the machine is cut and knit simultaneously, for less yarn consumption at least 15% for cost saving.
- Suitable to knit velvet for baby clothes, toy doll, robe and blanket.
- Less fluff and easy to clean.
- High speed RPM for high productivity.



# Specification

		Diameter	Gauge	Feeder
TY-T	<b>Polar Fleece</b> Terry Machine	26" ~ 36"	14 ~ 28G	2 F/inch
TY-V	<b>Velour Plush</b> Terry Machine	26" ~ 32"	18 ~ 28G	1.6 F/inch
TY-DF	<b>Double Face</b> Terry Machine	26" ~ 34"	14 ~ 16G	1.4 F/inch
TY-SR	<b>Shearing Pile</b> Knitting Machine	30" ~ 32"	18 ~ 20G	—



\* Machine photo includes optional items



# TRADITIONAL HIGH SPEED Series

**Single Jersey / Double Knit /  
3 Thread Fleece**

Circular Knitting Machine

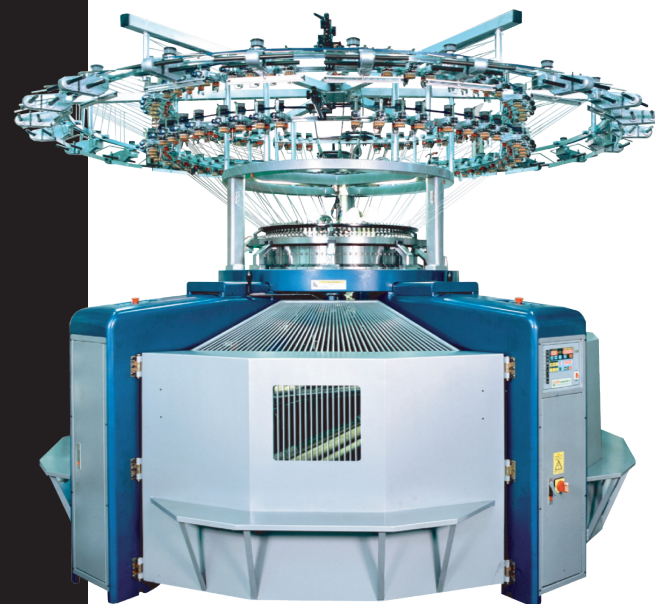




## High Speed Single Jersey / 3 Thread fleece

### Circular Knitting Machine

- This series can knit high quality single jersey fabric. It can knit various stitch fabrics by changing knit cam, tuck cam and miss cam to increase value of fabric.
- The material of cam is special alloyed steel. Needle track is made by precise CNC milling machine and grinding treatment to make the needle is more accurate and smooth. The needles will be durable when machine is running.
- Lycra attachment can be installed on machines to knit the lycra fabrics. (optional)
- Easy operation of central stitch adjustment, which can adjust cam box plate up and down, to adjust the thickness of fabrics.
- Available yarns for production: Cotton, Cambric, Silk and Chemical fiber.



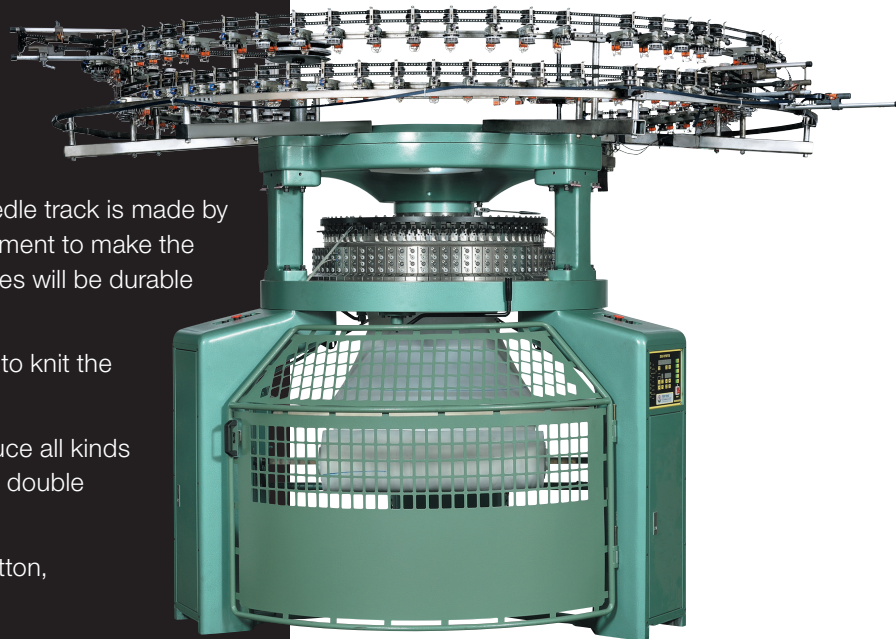
\* Machine photo includes optional items

		Diameter	Gauge	Feeder
TY-SJ	Single Jersey	18" ~ 40"	14 ~ 36G	3, 4 F/inch
TY-3F	3 Thread Fleece	30" ~ 36"	16 ~ 24G	3 F/inch

## High Speed Double Knit

### Circular Knitting Machine

- The material of cam is special alloyed steel. Needle track is made by precise CNC milling machine and grinding treatment to make the needle is more accurate and smooth. The needles will be durable when machine is running.
- Lycra attachment can be installed on machines to knit the lycra fabrics. (optional)
- By changing the cams system, which can produce all kinds of fabrics, such as: Health fabric, Plisse, air layer, double layer fabric, Ottoman, Roman ..etc.
- Available yarns for production: Wool, Roving, Cotton, Blending, Rayon and Chemical fiber.



\* Machine photo includes optional items

		Diameter	Gauge	Feeder
TY-DK-	<b>Double</b> Knit Machine	30" ~ 42"	10 ~ 32G	2, 2.8 F/inch
TY-DK	<b>Rib</b> Knit Machine	30" ~ 38"	14 ~ 18G	2 F/inch