




CONTACT FOR MORE:

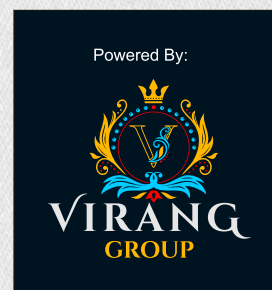
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The details of the decision quality

DECISION VALUE QUALITY

Virang Group — Since 2006

Founded in 2006, Virang Group has earned the trust of textile manufacturers—from embroidery machines to genuine parts, to knitting fabrics—for nearly two decades, starting with embroidery machines and steadily expanding our capabilities. Our reputation is built on integrity, technical know-how, and consistent service.

Introducing PoloKnit — A Virang Group Subsidiary

To address the growing needs of modern knitwear production, we launched PoloKnit, a specialist subsidiary brand focused exclusively on circular knitting machines. PoloKnit carries forward the same standards of trust and professionalism that define Virang Group.

What PoloKnit Does

PoloKnit is a high-technology organization dedicated to the design, R&D (research & development), production, sales, and after-sales service of circular knitting machines. Our R&D and purchasing centres in China enable us to integrate advanced technology, maintain dependable quality, and ensure efficient sourcing and delivery.

- **Quality and reliability:** Machines engineered for stable performance and long service life.
- **Customer-first approach:** Clear communication, responsive assistance, and practical solutions.
- **End-to-end support:** Installation, commissioning, training, spare parts, and ongoing after-sales service.
- **Focus on results:** Helping mills and factories across India modernize, expand, and run smarter.

OUR COMMITMENT

At Virang Group and PoloKnit, customer satisfaction is our first priority. We aim to deliver high-quality machines and dependable support that enhance fabric quality, reduce downtime, and improve overall productivity for our clients across India.

OUR PROMISE

At PoloKnit, we build machines that run steadily, last long, and make consistent fabric. Our design uses a strong frame, precise drives, easy-to-service parts, and helpful automation—so factories can modernize, expand, and run smarter.



TECHNOLOGY & EQUIPMENT

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» Mechanical Design

- Strong cast iron frame, heat treated to keep accuracy and reduce vibration.
- Rigid upper cylinder support for stable knitting and clean loop formation.

» Drive & Transmission

- Main gears run in oil (oil bath) for smooth start ups, lower noise, and less wear.
- Separate oil systems for gears and for needles to protect key parts.
- High precision bearings for steady rotation and long service life.

» Knitting System

- Central stitch length control for quick, fine adjustments. Modular cam blocks—change cams/needle tracks easily for different fabrics.
- Optimised feeders and cam timing guide yarn at the right angle to reduce defects.

» Yarn Feeding & Tension

- Storage type feeders keep yarn tension even for uniform loops.
- Smooth yarn path helps avoid yarn damage and stripes.

» Control & Monitoring

- Inverter drive for soft start and stable speed control.
- Multi function control panel shows speed, production totals, and alerts.

» Lubrication & Care

- Electronic sprayers / mist oilers target the cylinder and needle areas.
- Uses oil efficiently while keeping parts protected.

» Cloth Rolling System

- Multi section rolling for even rolling and fewer stop marks. Adjustable rolling speed to match fabric weight (GSM) and fabric type.
- Even tension across the full width to keep fabric density consistent.

» Components & Options

- Works with premium needles and durable sinkers.
- CNC machined parts for accuracy and long life.
- Options by model: lycra/elastic feeders, open width rolling, task lights, basic data read out, and more.

MAIN CHARACTERISTICS

» Frame & Body

- Heavy duty cast iron frame, heat treated
- Rigid upper cylinder support

» Drive & Transmission

- Oil bath main drive for smooth start ups and less wear
- Separate oil systems for gears and needles
- Precision bearings for steady rotation

» Knitting System

- Central stitch length control (quick, fine adjustment)
- Modular cam blocks for fast changeovers
- Stable loop formation for cotton, blends, and synthetics

» Yarn Feeding & Tension

- Storage type feeders for even tension
- Optimised yarn path to reduce defects

» Control & Monitoring

- Inverter speed control
- Production display with counters and alerts

» Lubrication & Care

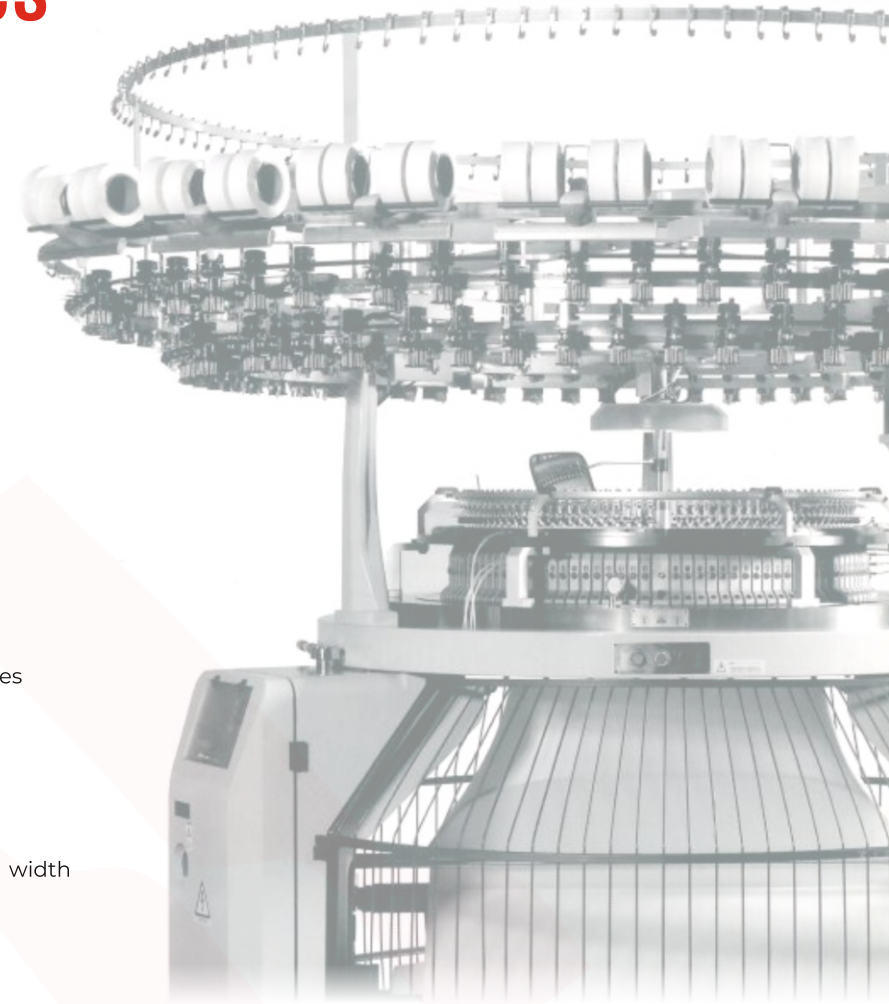
- Electronic sprayers / mist oilers for cylinder and needle zones

» Cloth Rolling System

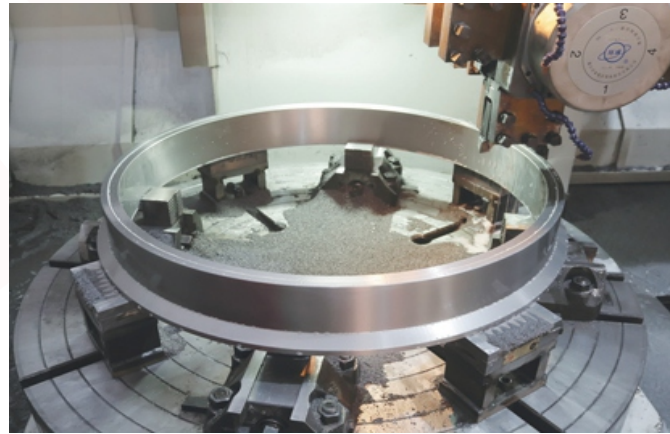
- Multi section rolling, even tension, fewer stop marks
- Adjustable speed to match GSM and fabric type

» Components & Options

- Premium needles and durable sinkers
- CNC machined parts; options for elastic feeders, open width rolling, lights, and data read out

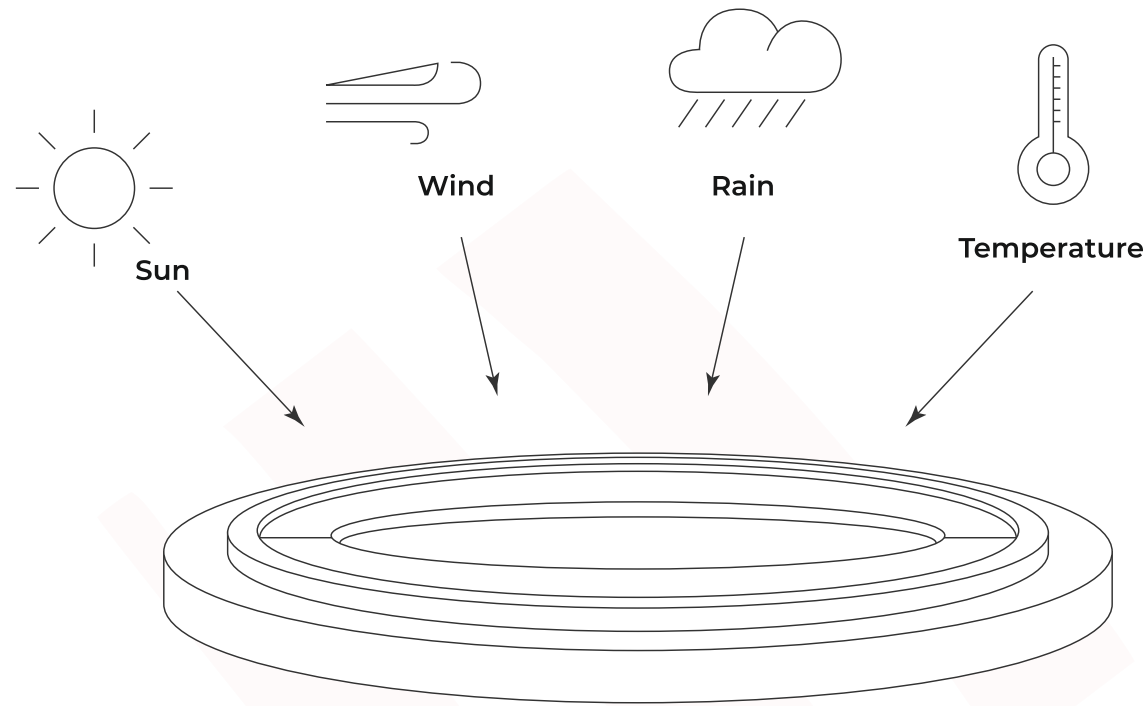


Note: Features can vary by model and application. We will suggest the right setup after we review your yarns, fabric structures, GSM range, and finishing needs.



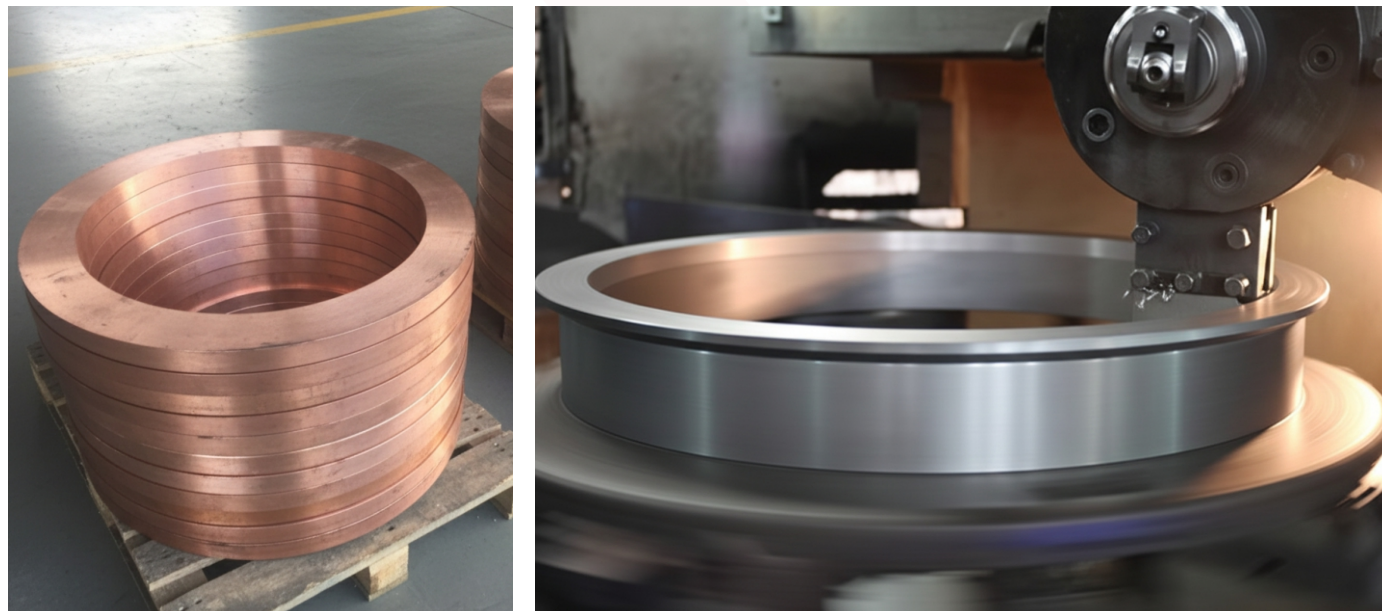
NATURAL AGING

Parts are left outdoors. After more than 12 months of exposure to wind, sun, rain and seasonal temperature changes, repeated temperature stresses are placed on the parts many times, thus promoting the relaxation of residual stresses and stabilizing dimensional accuracy. promoting the relaxation of residual stresses and stabilizing dimensional accuracy.



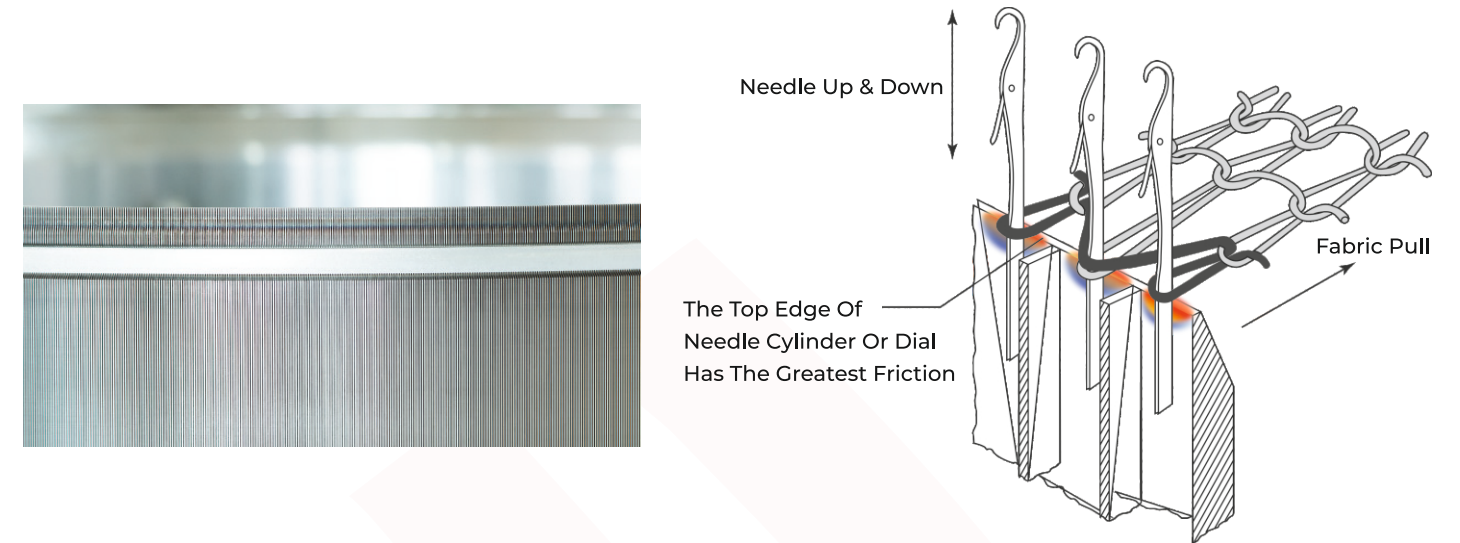
THE POWER OF NATURE

Discover the secret of Stable performance



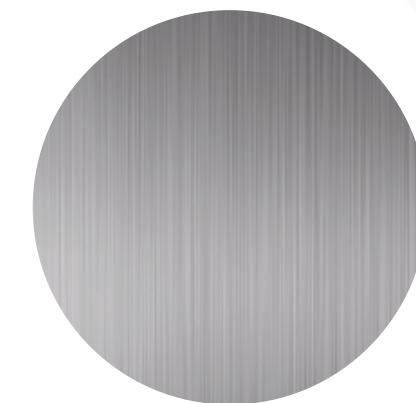
THE SECRET OF THE CYLINDER

Discover the leading Special technologies



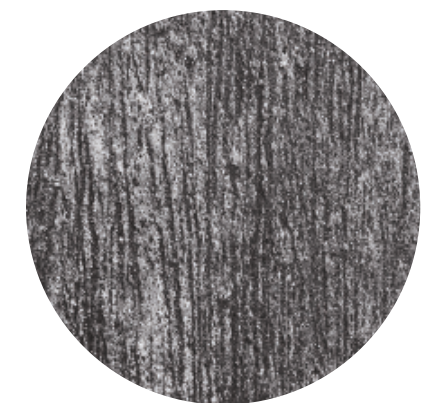
FREE CUTTING ALLOY STEEL & QUENCHING

All the cylinder&dial are made of free cutting alloy steel, The top edge of needle cylinder or dial use of unique quenching process. Greatly improve hardness and wear resistance, Improve fabric quality & extended usage life.



Free Cutting Alloy Steel

VS



Ordinary material

SINGLE JERSY KNITTING MACHINE

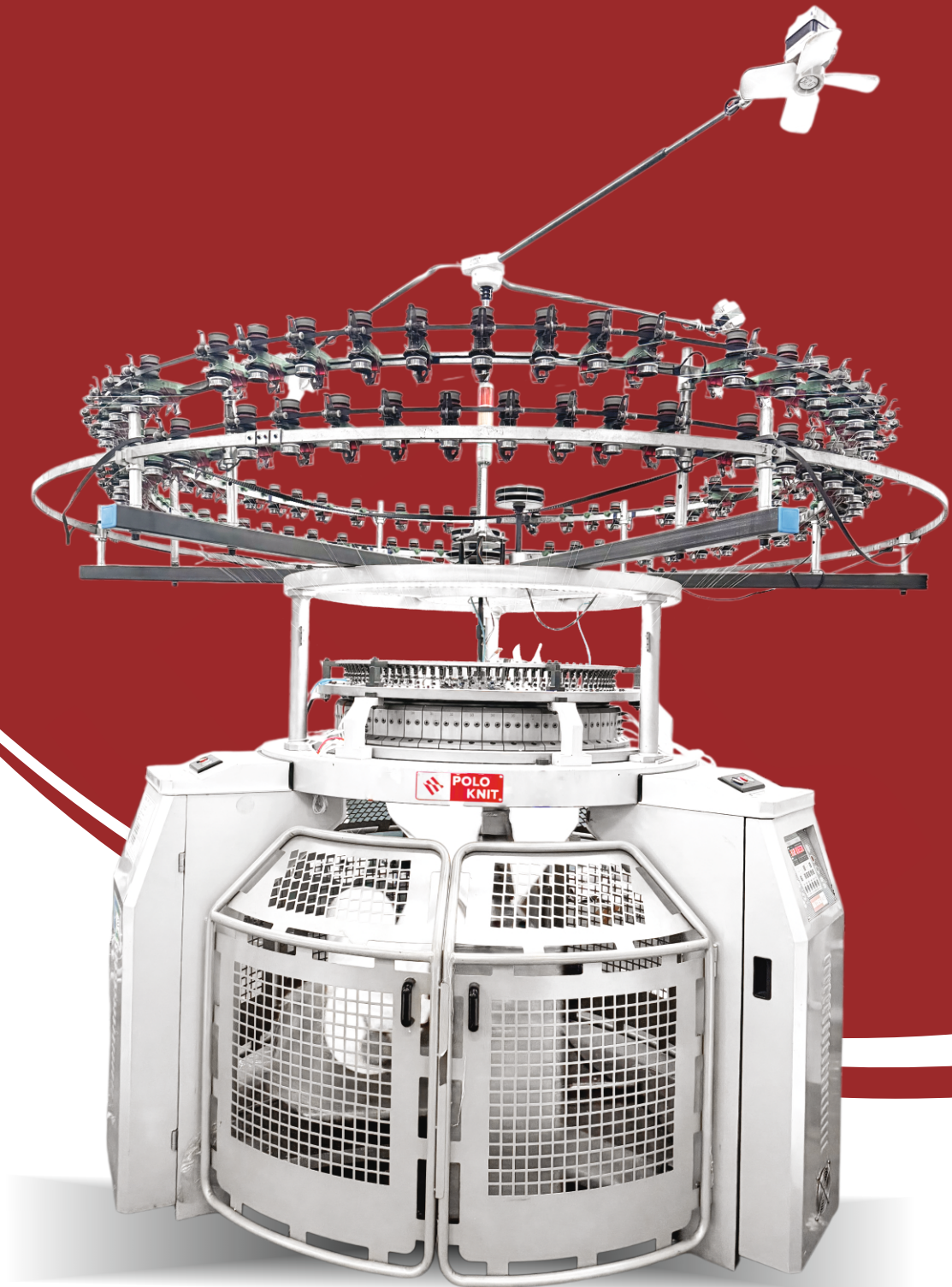


FEATURES

- » The frame of machine combines the knitting principle with human engineering. The outline is pretty and it's firm and reliable. It adopts good cast iron, long natural timing effect and artificial timing effect, which prevents the parts from deforming.
- » Special driving system makes the machine run more stably. Main plate and gear of main plate adopt oil-soaking and imported high-class lubricating oil so that the running noise is small and driving gear is durable.
- » Strong interchangeability. Just by changing the parts in the head, single knitting machine could be changed into terry (loop pile) machine or fleece machine.
- » All cams are made of imported alloy tooling steel, engraved and abraded by CNC processing center, which makes the needle track smooth, and the needle would be fluent and durable when the machine runs at high speed.
- » New designed center ascending & descending system has tight construction and stably ascending & descending, which makes the fabric weight adjusted precisely and simply.
- » By changing cams with different functions the machine could produce various fabric with different single-knit structures.

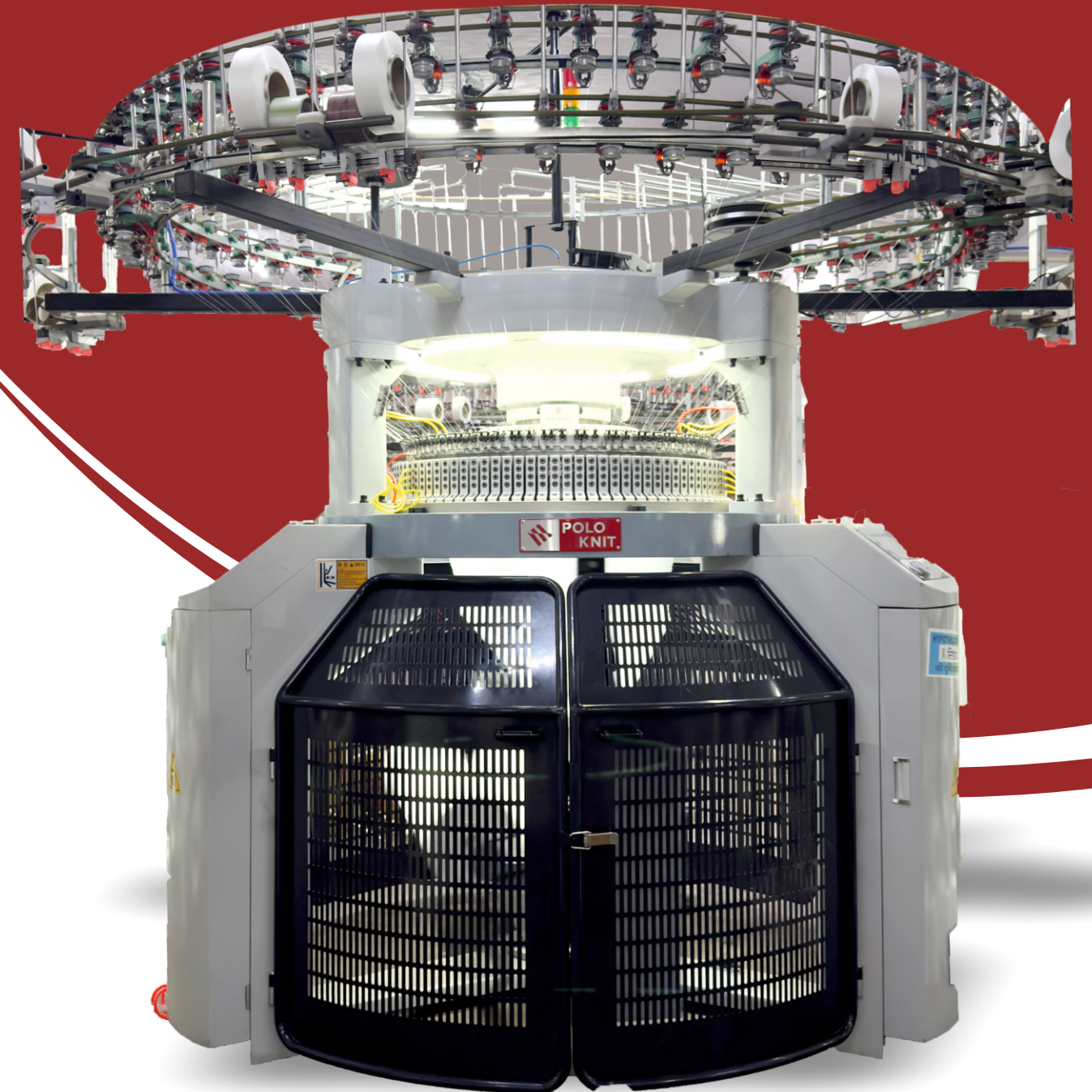
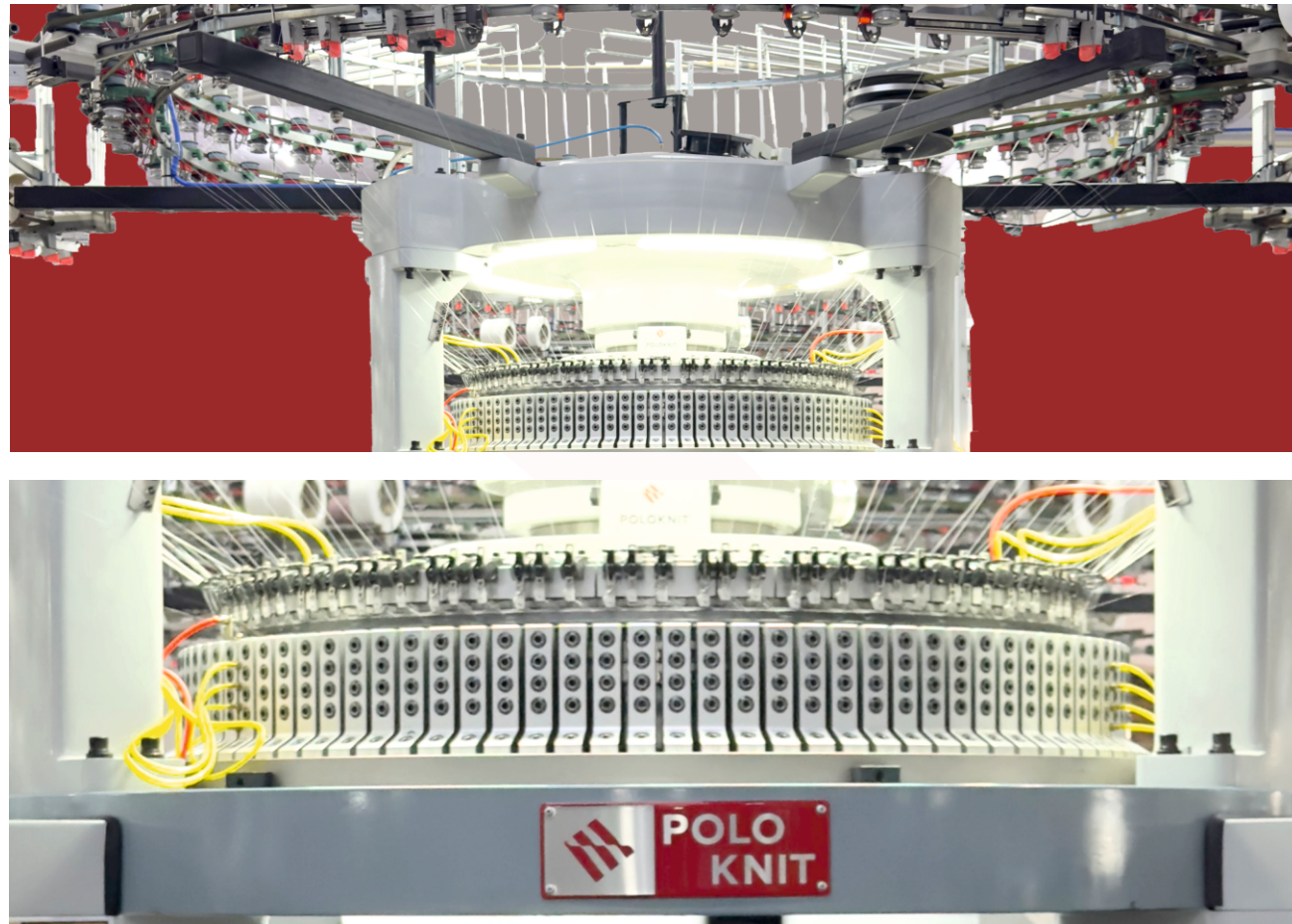
TECHNICAL DATA

MODEL	DIAMETER	GAUGE	FEEDER
Single Knitting Machine	30" - 48"	16-42 G	72-144F



- » High Speed Single Knitting Machine
- » Single Terry (Loop Pile) Knitting Machine
- » Computerized Electronic Jacquard Single Knitting Machine
- » Single Three-thread Fleece Knitting Machine
- » Single Open-width Knitting Machine
- » Single Knitting Machine with Auto-Stripper

DOUBLE JERSEY KNITTING MACHINE



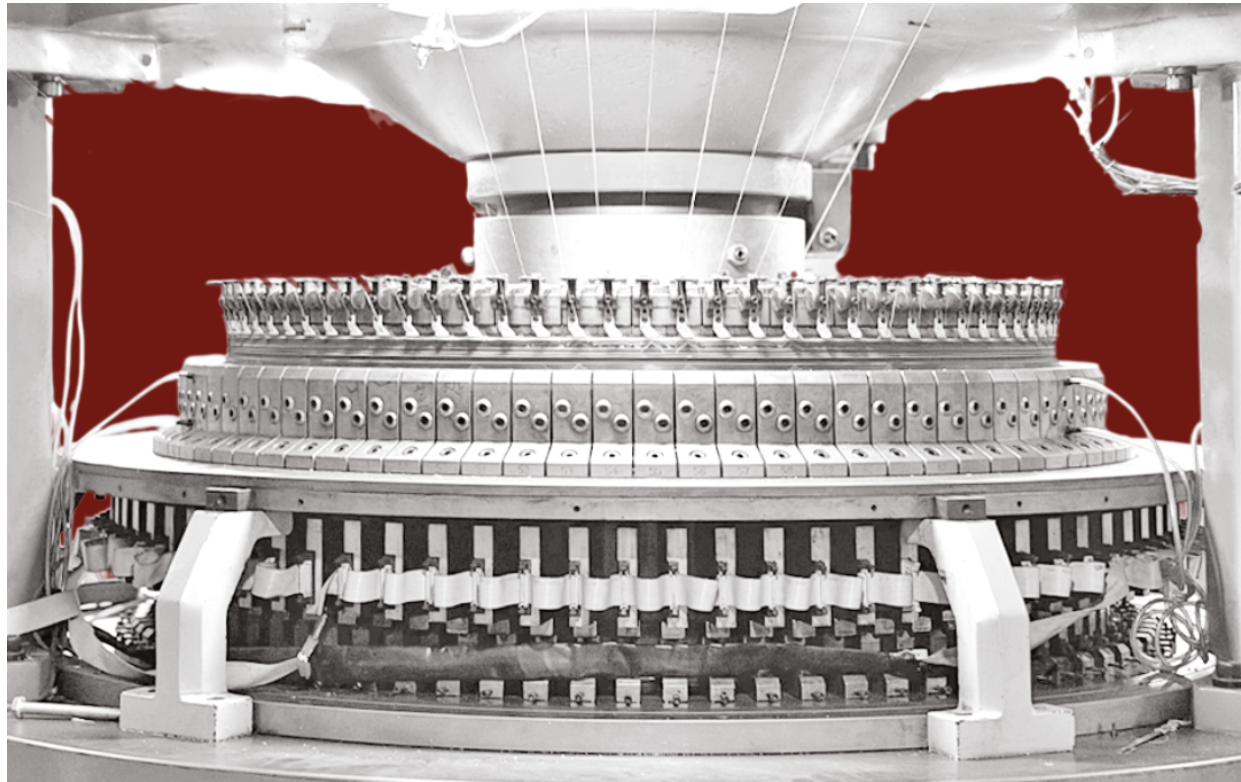
FEATURES

- » Double Jersey knitting machine have the same feature as Double knitting machines. Top and bottom gears adopt oil-soaking so as to reduce abrasion and noise, then improve their precision and life.
- » Adopting new designed frame of the machine, dial cam box base and sleeve have simultaneous displacement so that it becomes exacter and simpler to adjust the needle tolerance and clearance between top and bottom.
- » Multi-functional machine, equipped with cams of 2 tracks in dial and 4 tracks in cylinder. Just by Changing the professional arrangement of cams, it would change the double structure and meet the changing market.

TECHNICAL DATA

MODEL	DIAMETER	GAUGE	FEEDER
BD Double Knitting Machine	30" - 48"	16-42 G	72-144 F

COMPUTERISED ELECTRONIC JACQUARD DOUBLE JERSEY KNITTING MACHINE

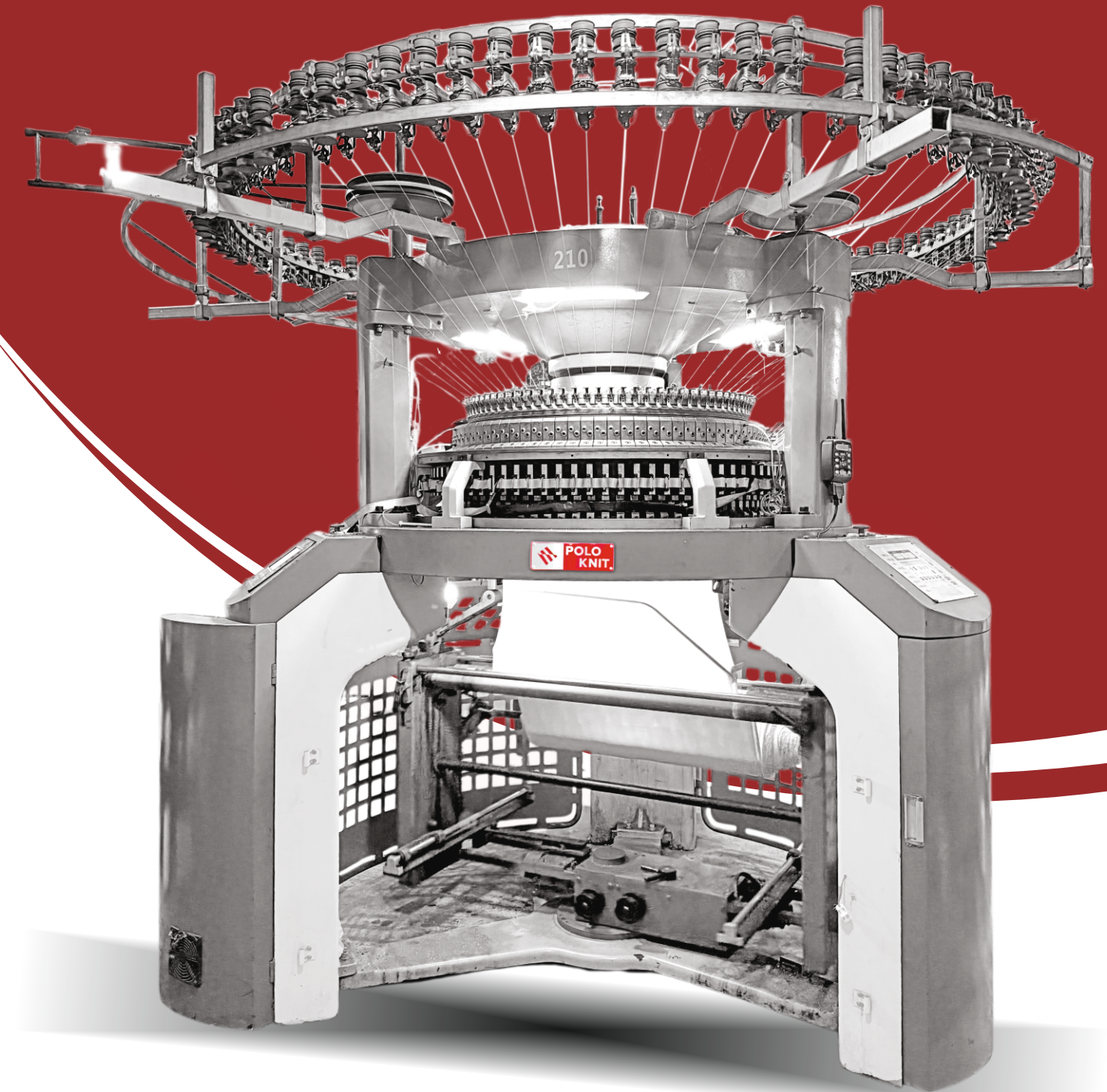


FEATURES

- » The machine adopts the computerized actuator to select needles on the needle cylinder. The computerized actuator will make three steps needle-selecting of KNIT, TUCK and MISS. Any complicated structure and design of arts & craft can be switched to the special control instructions by the computerized electronic preparatory system, then saved in the U disk or diskette, then inputted into control system, which can weave jacquard for various designs, saving time to change pattern designs.
- » Adopt advanced computerized actuator controlling system of international Discretionary Knitting Organization WAC, so that the machine is much stabler and has simple operation and easy maintenance.
- » CAM system designed professionally, few broken needles, and high speed.

TECHNICAL DATA

MODEL	DIAMETER	GAUGE	FEEDER
Computerized Electronic Jacquard Double Knitting Machine	30" - 38"	18-36 G	54-72 F



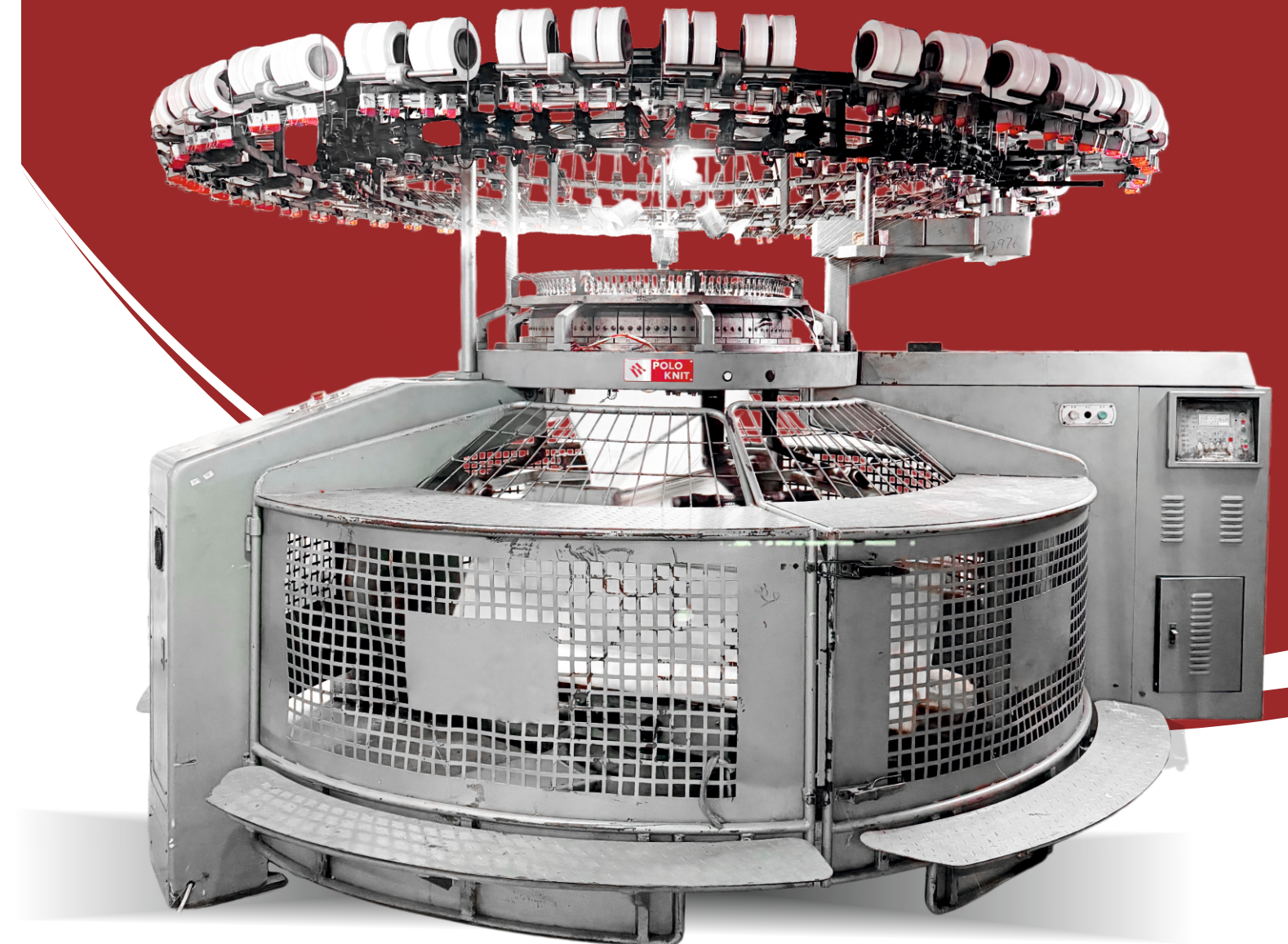
HIGH SPEED SINGLE JERSEY OPEN WIDTH CIRCULAR KNITTING MACHINE

FEATURES

- » The special take down device of the machine can fix the tension of the machine so as to extend the life time of the needles.
- » Uniform fabric density is guaranteed in all parts of the fabric rolls, no matter in the start or the end of the fabric rolls.
- » This machine is equipped with scale, you can keep record when manufacturing. When produce same specification fabric, you can take previous record as reference.
- » Adjustable fabric spreader is equipped with this machine so as to spread and adjust angles between the fabric roll and spreader according to the fabric features.
- » Synchronously winding and rolling of the fabric to make sure the fabric is rolled in uniform tension, so as to avoid uneven marks on the fabric.
- » The roll of the take down device is easy to take off when the winding and rolling is finished.
- » Safety stop motion is equipped. When the open of the roll is not completely finished, the stop motion will be activated. This machine is specially suitable for stretch fabric manufacturing.

TECHNICAL DATA

Diameters	26"-44"/3 Feeders per inc
Gauge	10G-44G
Feeders	78F-132F
RPM	18-25 R.P.M
Standard Equipment	Positive feeding units
	Automatic lubrication device
	Yarn feed stop motion, needle break detectors
	Open width system
	Automatic cleaning device
Optional Equipment	Yarn creel system
	Lycra kit
	Lycra feeding units
	Yarn input measuring device
	Circular knitting machine networking system



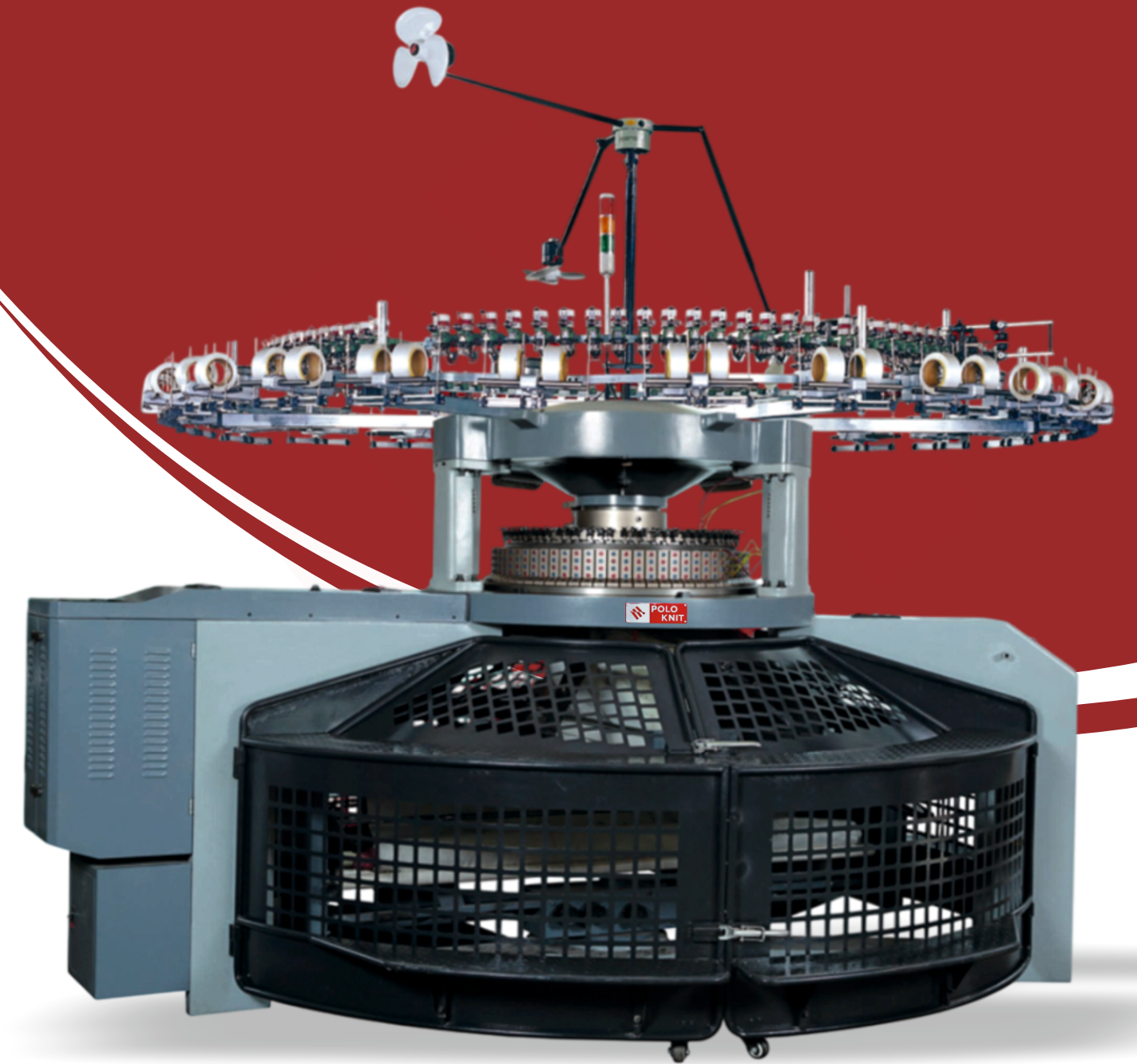
HIGH SPEED DOUBLE JERSEY OPEN WIDTH CIRCULAR KNITTING MACHINE

FEATURES

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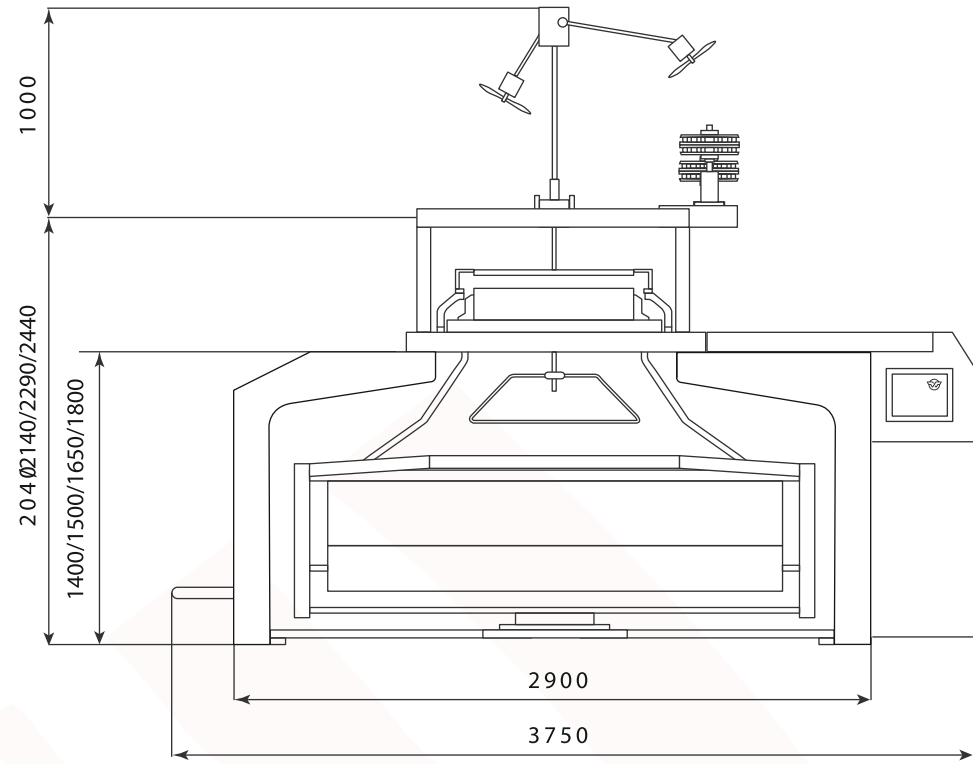


TOTAL NEEDLES LIST

Dia of Cylinder (N.P.I) Gauge	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	38"	40"
12	528	576	600	636	672	720	756	792	828	864	912	948	984	1020	1056	1092	1140	1176	1212	1248	1284	1320	1356	1428	1500
13	576	612	660	696	732	780	816	852	900	936	984	1020	1068	1104	1152	1188	1224	1272	1308	1356	1392	1428	1464	1536	1600
14	624	660	708	756	792	840	888	936	984	1020	1056	1104	1140	1188	1236	1272	1320	1356	1404	1440	1500	1358	1584	1668	1752
15	660	708	756	804	852	900	948	996	1032	1080	1128	1176	1224	1272	1320	1368	1416	1464	1500	1560	1596	1656	1680	1764	1848
16	708	756	816	864	912	960	1008	1056	1104	1152	1200	1260	1320	1356	1416	1464	1500	1560	1620	1656	1704	1752	1800	1896	1992
17	744	804	852	912	960	1020	1080	1128	1188	1236	1284	1332	1380	1440	1548	1560	1620	1656	1704	1752	1812	1860	1920	2028	2148
18	792	842	900	960	1020	1080	1140	1200	1260	1308	1356	1416	1464	1500	1580	1620	1680	1740	1800	1860	1920	1980	2040	2160	2280
19	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2076	2160	2280	2400
20	876	948	1008	1080	1140	1200	1260	1320	1380	1440	1500	1572	1632	1692	1752	1836	1816	1956	2016	2076	2136	2196	2256	2376	2496
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22	984	1032	1104	1188	1260	1320	1380	1440	1512	1548	1680	1740	1800	1860	1920	1992	2052	2136	2196	2196	2352	2412	2472	2592	2712
23	1008	1080	1152	1238	1308	1380	1440	1512	1572	1656	1740	1800	1872	1944	2016	2100	2172	2232	2376	2376	2460	2520	2592	2712	2832
24	1044	1128	1200	1284	1356	1440	1500	1620	1680	1740	1800	1884	1956	2028	2100	2172	2256	2340	2476	2476	2556	2616	2700	2844	2988
26	1140	1224	1308	1380	1464	1560	1632	1716	1800	1872	1956	2040	2124	2196	2208	2352	2448	2532	2676	2676	2780	2856	2940	3100	3260
28	1224	1360	1392	1476	1584	1656	1752	1836	1920	2016	2100	2196	2280	2376	2460	2532	2640	2712	2892	2892	2976	3060	3156	3336	3516
30	1320	1416	1500	1620	1680	1800	1896	1980	2052	2172	2256	2352	2448	2544	2640	2724	2820	2916	3012	3108	3204	3288	3384	3564	3714
32	1404	1500	1626	1704	1800	1920	2016	2112	2220	2316	2412	2592	2796	2712	2808	2904	3012	3108	3016	3312	3408	3516	3612	3180	4020
34	1500	1608	1706	1812	1920	2028	2136	2244	2352	2460	2568	2664	2770	2880	2988	3096	3204	3312	3420	3528	3624	3732	3840	4056	4272
36	1584	1692	1812	1920	2040	2148	2256	2376	2484	2604	2712	2832	2940	3048	3168	3276	3396	3504	3612	3732	3840	3960	4068	4296	4525
38	1680	1788	1908	2028	2148	2268	2388	2508	2628	2748	2868	2988	3108	3228	3336	3456	3576	3696	3816	3936	4056	4176	4296	4536	4776
40	1764	1884	2016	2136	2256	2388	2508	2640	2760	2892	3012	3144	3264	3396	3516	3648	3768	3888	4020	4140	4272	4396	4525	4776	5028



30"-34" Open width machine dimensions
(Dimensions are in cm)



30"-34" Tube machine dimensions
(Dimensions are in cm)

