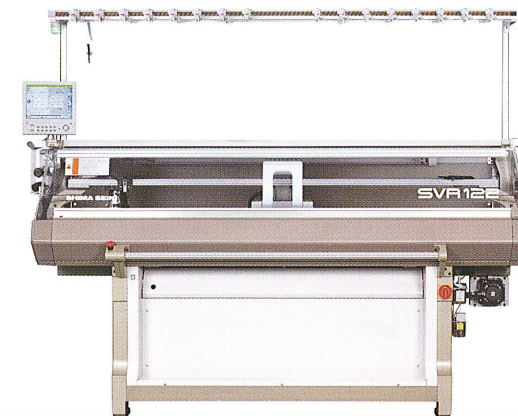


SVR 122

Computerized Flat Knitting Machine



The Benchmark for Shaped Knitting is Now Even Better

SHIMA SEIKI's latest generation of standard shaping machines, the new SVR™-series has become the new global standard for shaped knitting. Inheriting DNA of such legendary machines as the SES-, SSG- and SIR- series, SVR™122 is the result of SHIMA SEIKI's know-how and experience accumulated over the years as the leading manufacturer of computerized flat knitting machines. Productivity is increased through an improved knitting system combined with a maximum knitting speed of 1.4 meters per second and the R2CARRIAGE® System that permits quicker carriage returns. It also carries over established SHIMA SEIKI technology such as the renowned Digital Stitch Control System (DSCS®), spring-loaded Full-Time Sinker system, Stitch Presser, Takedown Comb and Yarn Gripper and Cutter system. Proven technology, along with Made-in-Japan quality, reliability, productivity, user-friendliness and cost-performance all combine to satisfy the high expectations of the world's fashion industry.

DSCS®

The world's first digital stitch device that is considered one of the most significant breakthroughs in modern-day knitting, our patented Digital Stitch Control System (DSCS®) offers consistency to within $\pm 1\%$ and is critical to quality shaped knitting. With DSCS® uniform quality among different batches and repeat orders are assured. DSCS® is also the only proven digital knitting system field-tested and market-proven in the industry for over 25 years. No other manufacturer can claim this kind of experience or level of refinement.

WIDEGAUGE® Knitting

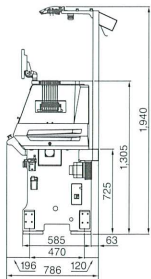
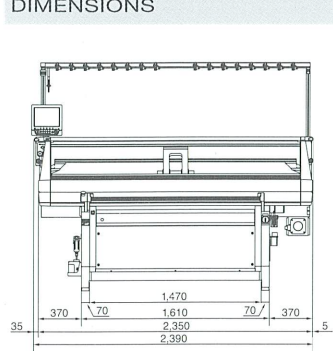
Special knitting needles on SVR™122 realize WideGauge® capability whereby a variety of gauges—from finer-gauges using all-needle knitting, to lower-gauges using half-gauge knitting—can be knit on a single machine. This allows the freedom to handle changing seasons and shifting trends without investing in a machine for every gauge or resorting to the complex, time-consuming task of gauge conversion.

R2CARRIAGE®

The R2CARRIAGE® (R2=Rapid Response) System features an advanced carriage mechanism combined with improved software programming that achieves quicker carriage returns after each course. Together with an improved knitting system, higher overall productivity can be achieved.

A User-Friendlier Knitting Machine

SVR™122 features an all-new full-color LCD touch-sensitive control panel with a larger screen that greatly improves on the previous monochromatic display. Still at eye-level and not relying solely on touch-control, the new control panel maintains established ergonomic benefits by carrying over function buttons for simultaneous use of both hands. Easily accessible USB interface and network connection continue to provide improved access in data transfer. For those moments when power suddenly becomes unavailable, a backup power supply allows work to resume after power failures. This offers peace of mind that an entire garment will not be lost due to blackouts.



Average Weight

SVR™122 734kg(1,618lbs.)

Actual weight is dependent upon gauge and optional equipment.

All dimensions are in millimeters.

SPECIFICATIONS

Type	SVR122	
Variation	SV	SC
Gauge	7-12-14	7-12-14-16-18
Knitting width	Variable stroke. Max 48" (122cm)	
WideGauge®	Wide range of gauge knit on a single machine.	
Knitting speed	Max 14m/sec. Knitting speed varies according to gauge and knitting condition. Variably adjustable speed levels. 10 additional programmable speeds.	
Stitch density	120 levels, electronically controlled.	
Racking	Motor-driven racking mechanism. Max 2-inch racking. 1/2 and 1/4 pitch also available from any position.	
Knitting system	Double KNITRAN® system. Single R2CARRIAGE® system.	
Transfer	Simultaneous transfer, front or back, independent of carriage direction. Split stitch possible. Split stitch possible by exchanging yarn carriers.	
Sinker system	Spring-type moveable full-sinker system (16 and 18G: v-Sinker™).	
Stitch presser	Special motor-driven system allows individual adjustment for on/off in knit and transfer.	
Needle hook conversion	Conversion between LL-size and MM-size possible without exchanging cams.	
Needle selection	Full jacquard selection via special solenoid actuators.	
Setup device	Takedown comb with special setup needles.	
Takedown device	Main/sub rollers. Changeable 99 levels, automatically adjustable on each level. Automatic opening and closing.	
Yarn cutter	Single-unit system includes 1 yarn cutter and 2 yarn grippers. Left side standard!	
DSCS®	Consistent loop length by digital control method. 4 lightweight, compact encoders. Left side standard.	
Yarn feed roller	8 positions on left side standard (SV7G: 10 positions on left side standard). SC18G: Left side double roller standard.	
Side tensions	8 positions on each side (7G: 12 positions on each side)	8 positions
Yarn carriers	Brake disk with multi-step adjustable dials. Both sides standard.	
Top tensions	7G: 9 normal carriers. 12-18G: 7 normal carriers. Plating yarn feeders standard on carrier rails no. 5 and no. 6.	16 tension devices (7G: 24 devices)
Stop motion	One-touch easy threading. Large knots cause machine stop. Small knots cause 0-9 courses at specified knot detection speed, then automatically resume at set speed.	
Drive system	Yarn break, large knot, wraparound check, shock detection, piece count, over-torque, program error, etc.	
Safety devices	Belt drive. AC servo motor. No lubrication necessary.	
Operation lamp	Full safety cover for noise-suppression and dust-proofing with stop motion sensor and interlock mechanism. Emergency stop switch. Emergency power off device. Ultra-low speed "crawl" setting. CE Mark. Operation lamps (see below).	
Operation lamp	Green/normal operation. Flashing green/normal stop. Flashing amber/abnormal stop.	
CONTROLLER		
Data input	USB memory interface. Ethernet 10/100 BASE-T network interface.	
Pattern memory	25165,824 bits (1,024 wales x 8,192 addresses)	
Control unit	Built-in controller. Stored program for flat knitting machine.	
Control display	10.4-inch color LCD touch panel (800 x 600 pixels). Editing possible via display panel operation. Help/Message function (for cleaning and lubrication). Available in English, French, Italian, Spanish, Portuguese, Turkish, Arabic, Russian, Chinese, Korean and Japanese.	
Back-up power	Power supply for resuming knitting after power failure	
Power	Single phase AC220V/230V(200V-250V) 18 kVA (Max 1.2kW: Power consumption varies according to gauge and knitting condition.)	

OPTIONS: (1) Right side yarn cutter

Fully Fashioned High-Speed Knitting Machine

your choice
SHIMA SEIKI

SHIMA SEIKI MFG., LTD.

85 Sakata Wakayama, 641-8511 Japan
TEL +81-73-474-8210 FAX +81-73-474-8270

SHIMA SEIKI EUROPE, LTD.

Sillis Road, Willow Farm Business Park,
Castle Donington, Derbyshire DE74 2US U.K.
TEL +44-1332-814770 FAX +44-1332-850272

SHIMA SEIKI ITALIA S.p.A.

Via Redecesio 11-20090 Segrate (MI) ITALY
TEL +39-02-216621 FAX +39-02-2139410

SHIMA SEIKI SPAIN, S.A.U.

Poligono Industrial Can Salvatella, Calle Comadran 35
08210 Barbera Del Valles, Barcelona, SPAIN
TEL +34-93-7293727 FAX +34-93-7180626

SHIMA SEIKI PORTUGAL, UNIPESOAL LDA

Rua S. Juliao 241, Apartado 3142, Avintes 4431-801, PORTUGAL
TEL +351-22-787-8580 FAX +351-22-787-8589

SHIMA SEIKI U.S.A. INC.

22 Abeel Road, Monroe Twp., New Jersey 08831 U.S.A.
TEL +1-609-655-4788 FAX +1-609-655-3989

SHIMA SEIKI (HONG KONG) LTD.

1901, 19/F, Lu Plaza No. 2 Wing Yip Street,
Kwun Tong, Kowloon, HONG KONG
TEL +852-2898-8339 FAX +852-2558-8332

SHIMA SEIKI KOREA INC.

Seojung Bldg. 1F, 2F, 590-9, Guul-Dong,
Kwangjin-Gu, Seoul KOREA 143-200
TEL +82-2-2216-4057 FAX +82-2-2216-4711

SHIMA SEIKI MFG., LTD., TAIPEI BRANCH

1F, 30, Lane 583, Ruey Kuang Rd., Neihu, Taipei 11492, TAIWAN
TEL +886-2-8752-3388 FAX +886-2-8797-5522

URL <http://www.shimaseiki.com>

SAFETY NOTICE

In order to ensure safe operation of the equipment,
please review all operation manuals carefully before use.

SHIMA SEIKI, SVR, SIR, SSG, SES, v-Sinker, KNITRAN, R2CARRIAGE, WideGauge and DSCS are either registered trademarks or trademarks of SHIMA SEIKI MFG., LTD. in Japan and / or other countries. SHIMA SEIKI maintains a policy of continuous improvement for its products, and therefore specifications and appearances are subject to change without notice. Please contact your nearest authorized sales representative for the latest information.