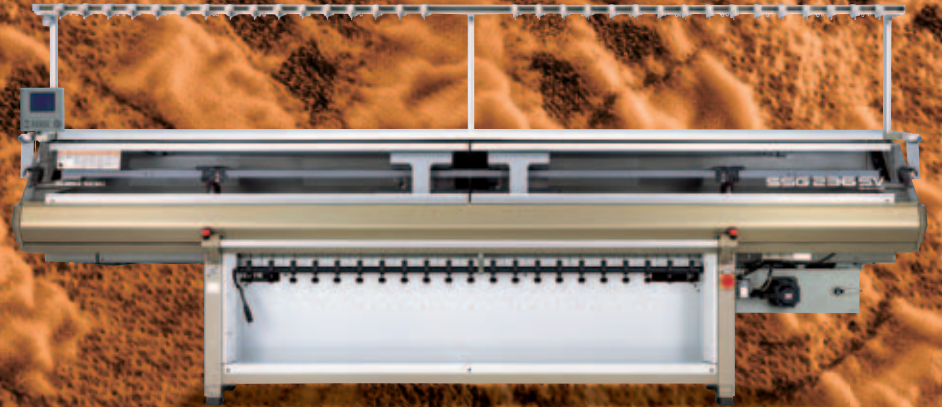


your choice
SHIMA SEIKI

SSG 236SV / 236SC / 236FC

Computerized Flat Knitting Machine with Six-System Tandem Capability



SIX-SYSTEM PRODUCTIVITY WITH WIDEGAUGE® AND WideTandem® VERSATILITY.

Part of the SSG®-line of Shima Seiki's new generation of computerized flat knitting machines, the SSG®236SV, SSG®236SC and SSG®236FC are versatile, high-speed machines featuring six knitting systems for very high productivity. Each features a 90-inch (229 centimeter) knitting width and tandem operation as a twin triple-system machine. SSG® machines carry over such proven industrial benchmarks as the spring-type full sinker system (SV- and SC-type) and DSCS® Digital Stitch Control System as an option, while new technology such as the R2Carriage®, WideGauge® knitting (SV-type) and WideTandem™ capability offer even more versatility than ever before. Other improvements include a built-in controller for space-efficiency, a lower height for ease of use, as well as improved cost performance and easier maintenance.

R2CARRIAGE®

The new R2 (Rapid Response) Carriage® System increases maximum knitting speed over previous SES® models. More importantly, the R2Carriage® achieves quicker carriage returns after each course. Combined, these improvements result in significant increases in productivity depending on the gauge and type of fabric.

WIDEGAUGE® Knitting

Special knitting needles on SSG®236SV 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.

WideTandem® Capability

SSG®236's twin carriages maximize the 90-inch knitting width through WideTandem® capability. Like the SES®236-S and 236FF before, SSG®236SV, 236SC and 236FC can knit panels along the entire width of the needle bed in six-system mode, or two identical pieces in tandem mode. Furthermore with WideTandem®, knitting width in tandem mode stretches from 40 to 42 inches for even more flexibility in production.



Knitting
Width



Knitran®
Systems



Ultra-
Lightweight
Carriage



WideTandem®



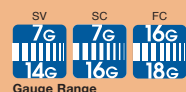
Belt-Drive
Operation



R2Carriage®



Tough
Needle
Bed



Gauge Range



WideGauge®



Gaugeless
Knitting



Solenoid
Needle
Selection



Stitch
Presser



Full-Time
Sinker



DSCS®



Takedown
Rollers



Dust
Cleaner



Schedule
Knit



Back-Lit
LCD Panel



Network
Interface



M192
Pattern
Memory

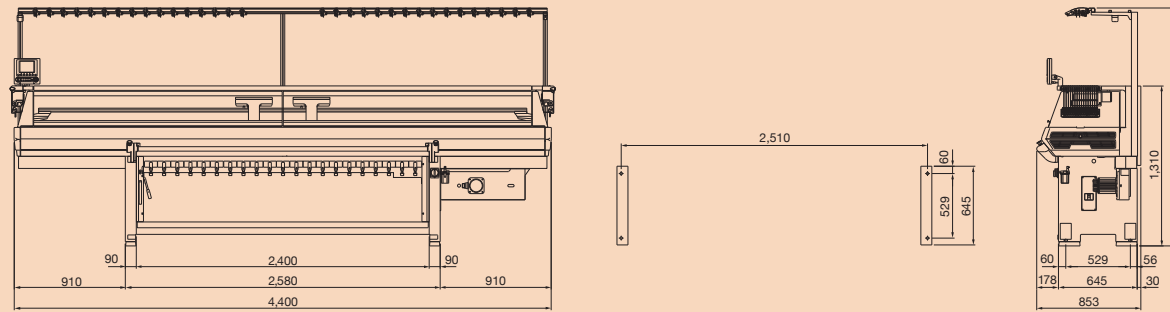


USB
Memory
Interface



Back-up
Power

DIMENSIONS



Average Weight

SSG236 1,510kg (3,322 lbs)

Actual weight is dependent upon gauge and optional equipment.

All dimensions are in millimeters.

SPECIFICATIONS

Type	SSG®236SV	SSG®236SC	SSG®236FC
Gauge	7, 12, 14	7, 8, 10, 12, 14, 16	16, 18
Knitting width	Variable stroke. Max 90" (229cm)		
Tandem width	Max 42" (107cm) × 2, WideTandem®		
WideGauge®	Wide range of gauge knit on a single machine. —		
Knitting speed	Max 1.3m/sec. Knitting speed varies according to gauge and knitting condition. Variably adjustable speed levels. 10 additional programmable speeds.		
Stitch density	70 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®+ single knitting system. Twin R2Carriage® system.		
Transfer	Simultaneous transfer, front or back, independent of carriage direction. Split stitch possible.		
Sinker system	Spring-type moveable full-sinker system.		Fixed 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.		
Takedown device	Main rollers: Changeable 99 levels, automatically adjustable on each level. Sub rollers: Changeable 99 levels, automatically adjustable on each level. Automatic opening and closing.		
DSCS®	Consistent loop length by digital control method. 4 encoders and yarn feed roller with 10 positions on both sides as basic configuration to allow yarn supply from both sides during tandem operation. Optional!.		
Yarn feed rollers ^{2,3}	10 positions on both sides (SV7G only) ² .		—
Side tensions	16 on each side		
Yarn carriers	16 normal carriers (2 split stitch carriers included).		
Top tensions	32 tension devices. One-touch easy threading. Lowered 100mm for easy access. Large knots cause machine stop. Small knots cause 0-9 courses at specified knot detection speed, then automatically resume at set speed.		
Stop motion	Yarn break, large knot, wraparound check, shock detection, piece count, over-torque, program error, etc.		
Drive system	Belt drive. AC servo motor. No lubrication necessary.		
Cleaner	Special blower-operated cleaner		
Safety devices	Full safety cover for noise-suppression and dust-proofing with stop motion sensor and interlock mechanism. Stop button. Power supply disconnecting device. Ultra-low speed "crawl" setting. CE Mark. Indicator 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	12,582,912 bits (1,024 wales × 4,096 addresses)
Control unit	Built-in controller. Stored program for flat knitting machine.
Control display	Monochrome LCD panel. Editing possible via display panel operation. Available in English, French, Italian, Spanish, Portuguese, German, Turkish, Russian, Chinese, Korean and Japanese.
Back-up power	Power supply for resuming knitting after power failure.
Power	3 phase AC200V ±10%
	3.5KVA

OPTIONS: (1) DSCS®. (2) Yarn feed rollers (10 positions) on both sides. (3) Yarn feed rollers (16positions) on both sides.(Factory option only).

Fully Fashioned High-Speed Knitting Machine

your choice
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Please contact your nearest authorized sales representative for the latest information.



SAFETY NOTICE

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

SSG236SV/236SC/236FC

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