

New SESI22Li

Computerized Flat Knitting Machine with Full-Sinker System

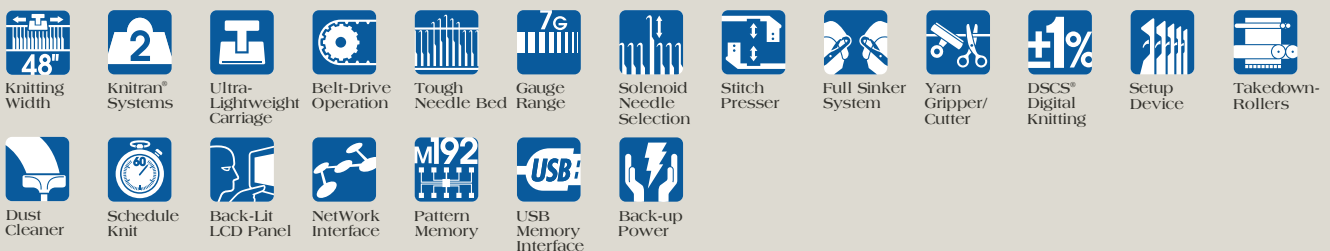


LARGE-HOOK, SINKER KNITTING VERSATILITY WITH IMPROVED INTARSIA.

Shima Seiki's NewSESI22Li features our original spring-type movable full-sinker system adapted directly from our famed S-type SES machines. This ideal system not only offers tremendous variation in dimensional fabrics, but does so with the gentle touch that only a spring-type system can offer. With special 7-gauge large-hook needles the NewSESI22Li offers even greater production possibilities, from middle gauge fabrics using all-needle knitting to coarse gauge production using half-gauge knitting. Optional intarsia capability offers multi-colored intarsia knitting with improved performance, efficiency and quieter operation. Performance is further enhanced with the latest Shima Seiki computerized knitting technology such as our patented Digital Stitch Control System (DSCS®) and a snag-free takedown system. The new LI machine also features increased memory capacity, networking capability, control panel with user-friendly interface, easier maintenance, and back-up power supply for resuming work after recovering from a power failure.

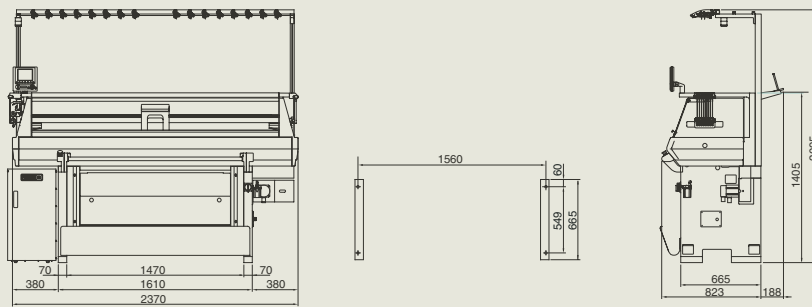
Improved Intarsia Knitting

The NewSESI22Li is available with greatly improved intarsia knitting capability, with capacity for up to 28 intarsia carriers. The new intarsia carriers are more compact, fitting more carriers and thus allowing more color changes within a given knitting width. The improved intarsia system is also much quieter, averaging two-thirds (2/3) less noise than our previous intarsia system.



SHIMA SEIKI

DIMENSIONS



Average Weight

NewSES122LI 1,060kg (2,332 lb.)

Actual weight is dependent upon gauge and optional equipment.

SPECIFICATIONS

Type	NewSES122LI
Knitting width	Variable stroke. Max 48" (122cm)
Gauge	7
Knitting speed	Max 1.3m/sec. Knitting speed varies according to gauge and knitting condition. Variably adjustable speed levels. Additional programmable speeds.
Stitch density	60 levels, electronically controlled.
Racking	Motor-driven racking mechanism. Max 1-inch racking in each direction (2 inches total).
Knitting system	Double KNITRAN [®] system. Single carriage.
Transfer	Simultaneous transfer, front or back, independent of carriage direction. Split stitch.
Stitch presser	Special motor-driven system allows individual adjustment for on/off in knit and transfer.
Sinker system	Spring-type moveable full-sinker system
Needle selection	Full jacquard selection via special solenoid actuators.
Setup device	Takedown comb with special setup needles.
Takedown device	Main/sub rollers. Changeable 31 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 only ¹
DSCS [®]	Consistent loop length by digital control method. Left side standard. Left side yarn feed roller standard ² . Yarn feed: 8 positions.
Side tension ³	8 on each side
Yarn carriers ⁴	9 carriers
Top tensions ³	16 tension 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.
Cleaner	Belt drive. AC servo motor. No lubrication necessary.
Safety devices ⁵	Special blower operated cleaner.
Operation lamp	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. Indicator lamps (see below).

CONTROLLER

Data input	3.5" FD. USB memory interface. 10/100 BASE-T network.
Pattern memory	12,582,912 bits (1,024 wales x 4,096 addresses)
Control system	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, Chinese, Korean and Japanese.
Back-up power	Power supply for resuming knitting after power failure
Power	3 phase AC200V ±10% 2.0KVA

OPTIONS: (1) Right side yarn cutter. (2) Right side yarn feed roller. (3) Additional tension devices. (4) Intarsia device. (5) CE Mark.



SAFETY NOTICE

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

Knitran and DSCS are registered trademarks of Shima Seiki Mfg., Ltd.
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.



SHIMA SEIKI MFG., LTD.
85 Sakata Wakayama Japan
TEL+81-73-474-8210 FAX+81-73-474-8270

SHIMA SEIKI EUROPE, LTD.
Sills Road, Willow Farm Business Park,
Castle Donnington, Derbyshire DE74 2US U.K.
TEL 01332-814770 FAX 01332-850272

SHIMA SEIKI U.S.A., INC.
22 Abeel Road Monroe Twp., New Jersey 08831, U.S.A.
TEL 609-655-4788 FAX 609-655-8463

SHIMA SEIKI MFG., LTD., TAIPEI BRANCH
1F, 30, Lane 583, Ruey Kuang Rd., Neihu, Taipei 114, TAIWAN R.O.C.
TEL 886-2-8752-3388 FAX 886-2-8752-5522