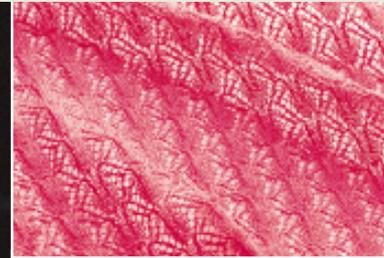


SFJ202-T



Flat Knitting Machine with Full Jacquard Capability



SFJ202-T

AN ALL-AROUND PERFORMER FOR HIGH COST-PERFORMANCE KNITTING.

The SFJ202-T is a full jacquard machine developed especially for economical knitting of collars and other trimmings, as well as full-width panels and even shaping. Its twin-carriage configuration features our renowned Knitran® cam systems and has full tandem knitting capability for increased flexibility and high productivity. The SFJ also features advanced knitting technology such as a new electromagnetic direct needle selection system, top tensions with one-touch threading and belt-drive with variable knitting width. A full safety cover is also included for noise suppression, dust-proofing and operator safety. The SFJ202-T offers high cost-performance suitable for the production of a vast assortment of knitted items.



Knitting
Width



Knitran®
Systems



Ultra-
Lightweight
Carriage



Tandem
Operation



Belt-Drive
Operation



Tough
Needle Bed



Gauge
Range



Electromagnetic
Needle Selection



Stitch
Presser



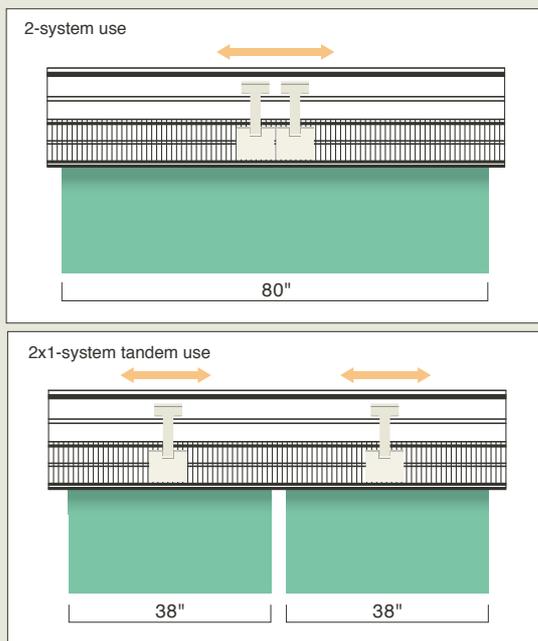
Dust
Cleaner



Pattern Memory

Tandem capability and shaping combine for great flexibility

The SFJ202-T features twin carriages, each with a single Knitran® system. While both carriages can be used together along the entire width of the needle bed for knitting wide panels in double-system mode, the carriages can be separated into two single-Knitran® cam systems for knitting two identical pieces simultaneously. Furthermore, shaping capability allows two identically shaped pieces to be knit as well, without wasting materials through cut-loss. Tandem operation in the SFJ thereby allows the machine to support a variety of production methods, significantly increasing the versatility and productivity of the machine.



Increased opportunities with stitch presser technology

Shima Seiki's patented stitch presser unit features a special motor drive system which allows the pressers to carry out individual on/off adjustments



in both knit and transfer, in either direction. In addition to providing better control for knockovers, these pressers gently hold down the fabric for improved consistency and control,

contributing to increased shaping capability. Moreover, stitch presser technology opens up opportunities for increased variety in knit patterns and flexibility in production when careful control of garment texture is a must.

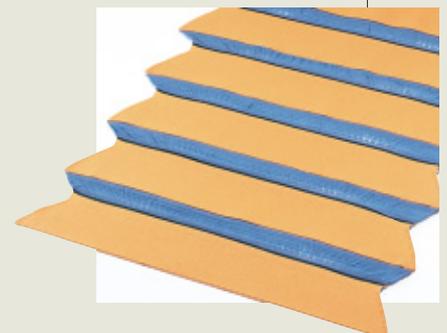
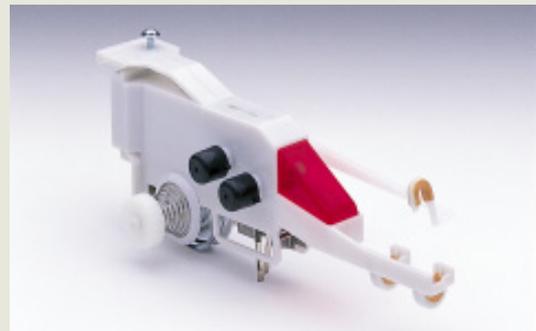
Increased accuracy in needle selection

Needle selection on the SFJ202-T is performed using electromagnetic direct selection. This allows quicker, more accurate needle selection as compared to conventional solenoid-actuated types, resulting in higher productivity and better quality assurance.

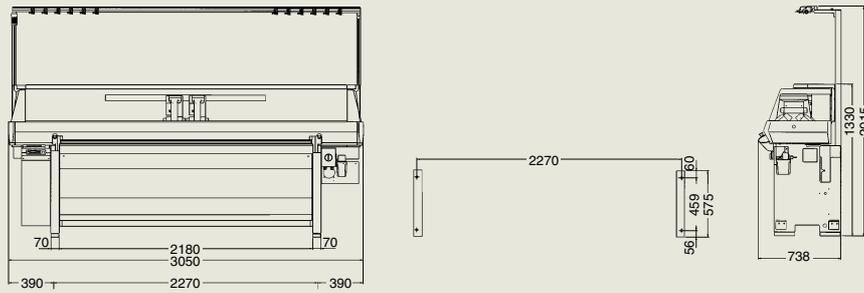


Improved quality control with the top tension device

The top tension device employs a convenient one-touch threading system for quick and easy setups. When knots are detected during knitting, the top tension automatically adjusts machine operation according to the situation. The machine stops for large knots, while small knots cause the machine to simply slow down to a preset speed adjustable by 10 levels. The top tension device thus serves as an effective quality control sensor.



DIMENSIONS



Average Weight

SFJ202-T 971kg (2,366 lb.)

Actual weight is dependent upon gauge and optional equipment.

All dimensions are in millimeters.

SPECIFICATIONS

Model	SFJ202-T
Knitting width	Variable stroke. Max 80" (200cm)
Tandem width	38" (97cm) x 2
Gauge	6 · 7 · 8 · 10 · 12 · 14
Knitting speed	Max 1.3m/sec. Knitting speed varies according to gauge and knitting conditions. 3 changeable speed levels, each digitally adjustable to 0.01m/s.
Stitch density	15 levels, electronically controlled
Racking	Motor-driven racking mechanism. Max 2-inch racking. 1/2 and 1/4 pitch racking available from any position.
Knitting system	KNITRAN® cam system featuring three-way technique and transfer with split stitch function. Twin carriage.
Transfer	Simultaneous transfer, front or back, independent of carriage direction.
Stitch presser	Special motor drive system allows individual adjustment for on/off in knit and transfer.
Needle selection	Electromagnetic direct selection
Fabric takedown	Changeable 5 levels, automatically adjustable on each level.
Stop motion	Yarn break, large knot, needle break, shock detection, wraparound check, over-torque, piece count, program error, etc.
Drive system	Belt drive. AC servo motor. No lubrication necessary.
Top tensions	One-touch easy threading. Large knots cause machine stop. Small knots cause 0-9 courses at low speed.
Cleaner	Blower-operated dust 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. Indicator lamps (see below).
Operation lamp	Green/normal operation. Flashing Green/normal stop. Amber/abnormal stop.

CONTROLLER

Data input	3.5" floppy disk
Pattern memory	1,047,552 bits (1,024 wales x 341 addresses)
Control system	Stored program for flat knitting machine
Control display	LCD panel
Power	3 phase AC200V ± 10% 2.0KVA

OPTION: (1) Additional top tensions (2) DSCS® (Digital Stitch Control System): includes left side yarn feed roller (3) Right side yarn feed roller
(4) Yarn feed rollers on both sides (5) Side roller (6) Two-piece take up device

SAFETY NOTICE

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

Shimatronic, WHOLEGARMENT, 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
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 886-2-8797-5522

URL <http://www.shimaseiki.co.jp> Email info@shimaseiki.co.jp