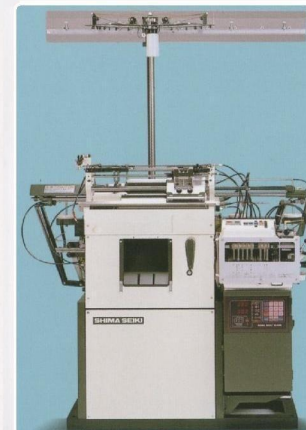


*your choice*  
**SHIMA SEIKI**

**SPG**

Automatic Seamless Glove and Sock Flat Knitting Machines



A SPECIALTY MACHINE FOR KNITTING PILE GLOVES.





# A SPECIALTY MACHINE FOR KNITTING PILE GLOVES.

Branching out from the SFG™ family of glove knitting machines, SPG™ is the world's first automatic glove knitting machine to produce seamless pile-knitted gloves. Pile gloves are becoming more popular with their special features such as shock-resistance, thermal insulation and safety cushioning. As a result, these gloves are especially suited to the industrial safety glove market in a variety of applications. Available in both 7, 10 the SPG™ enjoys the same pioneering technology, proven durability and reliable productivity that has made SFG™ the best-selling glove knitting machine in the world.

## The Original X-Device

An original SHIMA SEIKI development, the X-device eliminates the necessity for using post-knit overlock sewing machines at the cuffs, which requires much experience and expertise. The X-device is therefore an effective way to cut manual labor costs and increase overall productivity (Not available for machines employing a 4-color conversion device).

## Special Pile Knitting (SPG™ 7G only)

Specially designed needles and sinkers allow SPG™ to produce high-quality pile knit gloves. One-sided pile knitting is also available as an option.

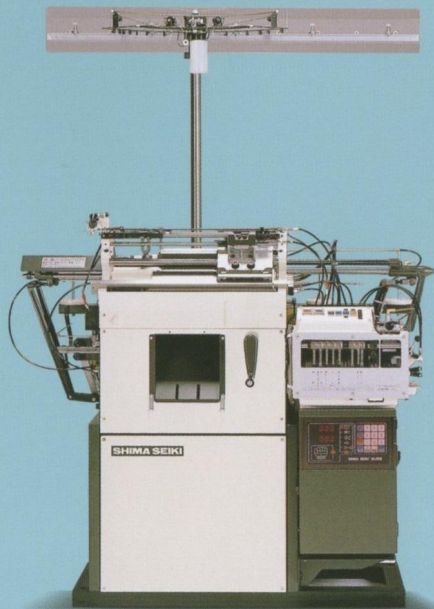
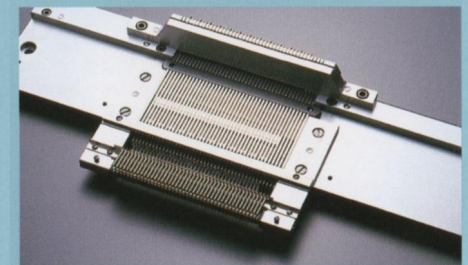
## Excellent Rounded Fingertip Knitting

The SPG™ also employs the sinker knitting system in place of the conventional pull-down system for knitting more rounded and smoother fitting fingertips. In addition, an advanced stitch conversion device permits very snug-fitting fingertips, which are vital for performing precision work while wearing gloves.



## Extremely Durable Needle Bed

The needle bed is formed by inserting special high-precision plates. Manufactured from special steel using state-of-the-art hardening technology, these plates provide extreme strength and durability for high-speed, high-quality product manufacturing, while facilitating the replacement of broken plates.



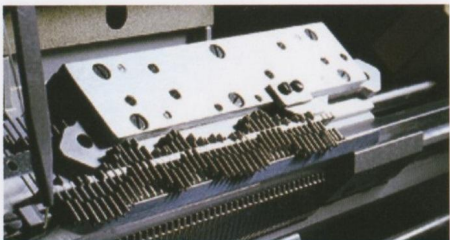
# SPG

Automatic Seamless Pile Glove Flat Knitting Machine



Original Sinker Knitting System

The first of its kind in the world, SHIMA SEIKI's original sinker knitting system allows the SPG™ to master the production of irregularly-shaped items such as gloves and socks. With this system, the SFG™-series offers products that are superior in stretch and strength as well as featuring excellent conformity to the shape of hands.

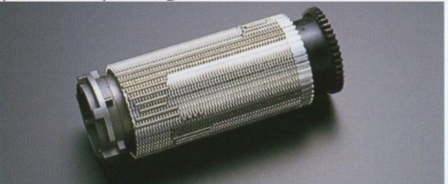


Control Panel for Easy User-Interface

The SPG™ controller focuses on ease of operation. Large buttons with distinct tactile feedback and clear pictograms avoid confusion and operator error. Large LED displays communicate current knitting conditions at a glance. Touch-control numerical keys also offer convenient data input.

Size Changing System (optional)

A variable needle selection drum enables the number of needles to be changed simply by changing the pins as required. Two different sized gloves can then be knit through the combined use of the optional size changing system. This helps realize greater versatility and more economical production planning.



CE Mark For Reliable Safety (CE versions only)

Developed for the European Community, CE version machines features a sleek new look that is more than just skin-deep. Represented by such features as an integrated safety cover and interlock mechanism, the CE Mark attached to the side of each CE version is a symbol of SHIMA SEIKI's commitment to the safety and reliability of its products (Safety cover is standard on SPG™10 and, and optional on other versions).



SPG



Single-sided pile (SPG™ 7G only upon replacing parts)



Pile glove



Pile socks



*your choice*  
**SHIMA SEIKI**

**SPECIFICATIONS**

Type	SPG		SPM
Gauge	7•10•10D•13		7
Size (in needles)	7G: L4•L3•L2•L•M•S•S2•S3 10G: L4•L3•L2•L•M 10D: (Only M) 13G: L3•L2		L4•L3•L2•L•M
Maximum speed range	Finger	50 – 165rpm	
	Palm	25 – 82rpm	
Knitting system	Sinker knitting system		
Drive system	Inverter motor crank system		
Conversion device	2-color Conversion device		
Lubrication	Centralized lubrication system		
Stop motion	Yarn break, piece count, over-torque, dropping failure, program error, etc.		
CONTROLLER			
Control unit	Control drum and electronic programming		
Control display	LED display and keypad input		
Power	Single/3-phase AC200/220V ±10% 450VA		
Options	Full safety cover (standard on CE version, SPG™10 and SPG™13) Size changing device Short feeder device ¹ CE Mark		
	4-color Conversion device ²		—

1: Available on 7G and 10G 2: Available on 7G(L-M, M-L, M-S, S-M)

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please review all operation manuals carefully before use.

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