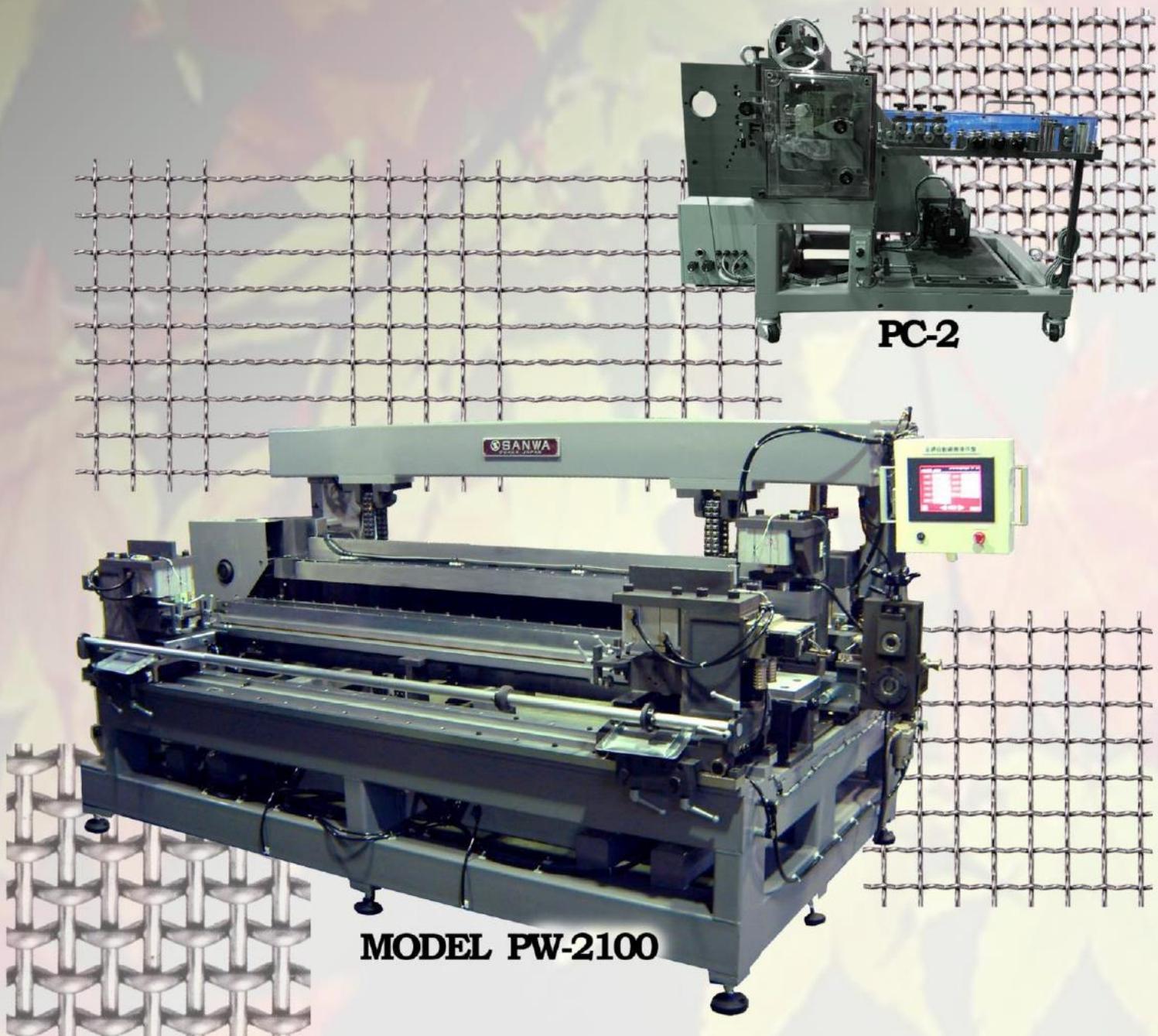


Fully Automatic Crimped Wire Mesh Weaving Machine



MODEL PW-2100

PC-2

SANWA COMPANY LIMITED

~ Since 1970 ~

Drastically Minimize Set-Up Time For Automatic Operation!!

(Common for both standard crimped wire mesh and crimped plain weave wire mesh)

Latest Model PW-2100 (with Numerical Control)

FEATURES

"SANWA"

- ◎ Servo motor design drastically reduces changeover time between one mesh and another. The Change-over time is reduced by 50% compared with a manual type weaving machine.
- Reed stroke and pitch can be easily changed on the touch screen panel.
- The Heddle-frame timing and stroke can be easily changed on the touch screen panel.
- The PW-2100 has the ability to memorize 2,000 types of mesh patterns and wire diameters enabling the operator to change from one mesh to another with touch panel.
- On conventional machines a fine backward or forward adjustment was necessary for the wire clamp and also the needle height. The PW-2100 eliminates both of these procedures.
- Reduces warp wire loss at the end of weaving by 40% from conventional machines.
- Automatic edge trim on both sides.
- Crimp depth is adjustable to 1/100mm using a digital counter. Crimp depth can also be memorized.

EXAMPLE OF TOUCH PANEL

The screenshots show the following panels:

- Selecting operating condition mode:** Options include Manual operation, One cycle with Weft Wire, One cycle without Weft Wire, Manual Operation Special Pattern One Cycle, Weaving Preparation Before Auto. Operation, Special Pattern Operation, and Auto Operation.
- Operation condition set-up:** Fields for Selected Wire Diameter (1.200 mm), Selected Opening (2.50 mm), Needle Diameter (2.20 mm), Heddle Opening (130.0 mm), Heddle Start point (10 Point), Reed Stroke End Position (66.300 mm), and No. of Weft Wire (18 Pcs.).
- Wire diameter selection panel:** A grid for selecting wire diameters and openings.
- Mesh size selection panel:** A grid for selecting mesh sizes based on wire diameter and opening.
- Operating speed set-up:** Fields for Reed Stroke (~30 Strokes/min) (20 /min), Weft Wire Length (~2200 mm) (1720.0 mm), Weft Wire Length For Wheel Circumferential Length (456.0 mm/rev), and Crimping Speed (82.98 rpm).
- Automatic operation:** A summary screen with START and STOP buttons, and production count information (Set 0 Pcs., Present 11 Pcs.).

MODEL	PW-2100	PW-2500
WIRE DIAMETER	φ 1.0 mm ~ φ 4.0 mm	
MESH SIZE	1.5 mm ~ 70 mm (φ 1.0 mm × 1.5 mm / φ 4.0 mm × 5.0 mm)	
FABRIC WIDTH	500 mm ~ 2,100 mm	500 mm ~ 2,500 mm
SPEED	30 Strokes / Min	
Main Body MOTOR (Servo Motor)	Reed : 5.5 KW × 2 Heddle : 2.9 KW × 1	Weft Wire Guide : 5.5 KW × 1 Feeding Roller 2.9 KW × 1
Crimping Machine MOTOR	2.9 KW (Servo Motor)	



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※ The motor for compressor (7.5KW) is required that separately.
 ※ There is case to change the specifications without announcement.