

# TAKEMURA TECHNO WORKS ELECTRONIC JACQUARD

## MODEL *EJ-D-S*

*(Electronic Jacquard – Double lift – Small type)*

- Patented -

- ◆ Full electronic jacquard machine, highly reliable & low-cost, using PIEZO ceramic element as actuator, by our own patented technology.
- ◆ No more punching paper or card, with our EJ you can immediately start weaving with the pattern drawn or loaded on a PC.
- ◆ Overwhelming power saving of Piezo system, compared to conventional solenoid system.
- ◆ Small size jacquard for various types of textile: selvedge, label, ribbon, etc.
- ◆ For shuttle, rapier, needle or air-jet looms, etc.

### ◇ Features of the product ◇

#### **Proprietary PIEZO needle selection system**

After years of successful experiences in the SB series - electronic needle selection equipment for mechanical jacquard -, we have developed the series of full electronic jacquard with new technology of Piezo ceramic actuator, which replaces the conventional electronic jacquard of solenoid (electromagnets) type.

Low price and low running cost.

The needle selection unit consists of replaceable cassettes, to ease the maintenance or repair.

Very low power consumption of PIEZO, less than 1/10 of the solenoid, is highly effective on energy saving and CO<sub>2</sub> reduction.

No heat generation such as solenoid, no need for cooling fans, no worry in the midsummer heat.

#### **Easy operation**

Familiar user interface using Windows PC as controller.

Weaving software is provided for your pattern data in major electronic jacquard manufactures' format, which can be saved on any storage device such as USB flash drive, memory card, etc. or sent through internet / e-mail.



EJ-D-S 128



Driver Box and Piezo cassette

## ◇Specifications◇

### ◆Shedding

Shedding type	double lift - parallel - open
Shedding height	60 – 105 mm

### ◆Hooks

Model	Hooks *	Depth (cassette columns) **	Body specification
<b>EJ-D-S 96</b>	96 hooks	3 deep	128 (32×4)
<b>EJ-D-S 128</b>	128 hooks	4 deep	128 (32×4)
<b>EJ-D-S 192</b>	192 hooks	6 deep	192 (32×6)
<b>EJ-D-S 265</b>	256 hooks	8 deep	256 (32×8)
<b>EJ-D-S 512</b>	512 hooks	8 deep × 2 (connected)	512 (32×8×2)

\* Other hook numbers available on combined connection.

\*\* One cassette, having 32 Piezo-ceramic actuators, can select max. 32 hooks.

### ◆Pattern data

- BMP format
- Major electronic jacquard formats

### ◆Configuration

Electronic jacquard body and cassettes		1 set
Driver Box	For AC200V single-phase power supply	1 piece
Controller	Windows PC and the weaving software	1 piece
Sensors and cables		1 set
Timing belt or shaft to drive the jacquard		1 set
Mounting frame gantry	Depending on the type of the loom	



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