ID machine BCD-M5BP
(BEAM)

BCD-M5BP

Features ─────────────────

- The color touch-panel indicates various information,such as the set conditions of harness length,production quantity and alarm contents.
- AC servo-motor is equipped for length measuring system. The harness length can be measured by digital method, thus, required time length adjustment can be reduced sharply.
- With the use of the new type sequence controller, high-speed production is possible, i.e. 4.8 seconds/cycle for double-ended harness when L=41mm, and 4.5 seconds for single-ended harness when L=45mm.
- By changing the termination unit, various kinds of harnesses can be produced:- JST's 0.8mm, 1.0mm, 1.5mm, 2.0mm and 2.5mm insulation displacement connectors, double-ended harnesses (both 1-N type and 1-1 type), single-ended harnesses either with stripping or cutting.

Specifications

Power source	200V AC, Single-phase, 2.5kVA
Air pressure	590 to 640kPa[6 to 6.5kgf/sq.cm]
Air consumption	Approx. 450N ℓ /minute
Weight	Approx. 1,060kg(2,337 lb)
Type of harness	Double-ended harness(1-1, 1-N) Single-ended harness
Length of harness	Double-ended harness: 41 to 1,300mm Single-ended harness: 45 to 1,300mm [0.8mm pitch connector: 500mm max.]
Strip length	2.5mm, 3mm, 5mm, 10mm, [0.8mm pitch and 1mm pitch connectors: 1.5mm, 2.0mm, 2.5mm, 3mm]
Wire length accuracy	±[1mm+preset length×0.003]
Processing capacity	750 cycles/hour with double-ended harnesses at L=41mm [0.8mm pitch connector: 675 cycles/hour]
Appliccable connectors	JST's 0.8mm, 1.0mm, 1.5mm, 2.0mm, and 2.5mm pitch insulation displacement connectors
Applicable wire bobbin	JIS C 3201 P-10 or P-30 plastic bobbin

Number of harnesses to be processed simultaneously

Number of circuits					Number of harnesses
0.8mm pitch	1.0mm pitch	1.5mm pitch	2.0mm pitch	2.5mm pitch	
2 to 5	2 to 5	*2 to *5	*2 to *4	*2,*3	5
6, 7	6, 7	6, 7	5	4	4
8 to 10	8 to 10	8 to 10	6, 7	5, 6	3
11 to 16	11 to 16	11 to 16	8 to 12	7 to 10	2
17 or more	17 or more	17 or more	13 or more	11 or more	1

Note: With connector circuits marked*, the number of harnesses to be processed simultaneously may be 4 sets max. depending on the type of connectors.