



Velocity Engineers Private Limited

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16-Spindle High-Speed Braiding Machine

1. Application

The 16-Spindle Braiding Machine is designed for high-speed braiding of a wide range of communication and electronic cables, including:

- Coaxial cables
- LAN cables (CAT-6 / CAT-7)
- Computer and data cables
- Other shielded communication cables

2. Technical Parameters

No.	Item	Unit	Technical Data
1	Braiding Type	—	Over 2 × 2
2	Braiding Direction	—	Vertical
3	Upper Carriers	pcs	8
4	Lower Carriers	pcs	8
5	Bobbin Size	mm	Φ75 × Φ22 × 100
6	Machine Speed	rpm	30–150
7	Braiding Pitch	mm	3.2–32.5 or 6.4–65
8	Max. Core Diameter	mm	Φ14
9	Max. Line Speed	m/h	585
10	Braiding Wire Diameter	mm	0.08–0.20 (copper)
11	Tension Range	N	0.6–6.5
12	Take-up / Pay-off Capacity	mm	Φ800
13	Main Motor	—	2.2 kW, 380 V, 50 Hz, 5 A
14	Take-up Motor	—	0.2 kW, 380 V, 50 Hz, 0.8 A
15	Noise Level	dB	≤ 80 dB
16	Machine Dimensions (L×W×H)	mm	1600 × 1500 × 2300
17	Net Weight	kg	950
18	Inverter	—	DELTA (Taiwan brand)
19	Control System	—	Control Panel Type



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3. Machine Features

- High-speed, stable braiding for communication-type cables
- Precise tension control for fine copper wires
- Dual braiding pitch range for different cable structures
- Vertical braiding design to ensure uniform and smooth shield coverage
- Low noise performance (≤ 80 dB)
- Integrated take-up and pay-off structure ($\Phi 800$ mm)
- High reliability with Delta inverter and robust motor system



Picture is just for reference

Tap to see video