



# Print & apply flag labels in seconds

## Flagmaker

The Flagmaker can replace the tedious manual application of a variety of flag labels on a wide range of cables. Print and apply flag labels in just a few seconds to considerably increase production output.

- ▶ quickly and consistently identify large volumes of cables with flag labels of 15 to 50 mm wide, and up to 150 mm long
- ▶ print, encode and apply RFID flag labels and enhance your cable identification with track and trace capabilities.
- ▶ prints data received from almost any labelling software and can also be operated in stand-alone mode
- ▶ prints on a range of reliable label materials that remain legible and stay attached in challenging conditions
- ▶ compact design and hardware interfaces allow further automation
- ▶ cable diameter approx. 1-20 mm
- ▶ average time (print and apply) per label: 3-4 seconds

Some of the main machine specifications are listed in the table below. In addition to the conformity declaration, the delivery scope also includes a manual. Further details about the equipment are available upon inquiry.

Drive	Electro-pneumatic
Supply voltage	100–240 VAC
Power consumption	500 VA
Air pressure	nom. 6 bar (= max)
Fuse	(Mains filter module) 1 x T4AH250V
Protection class	IP10(2)
Appliance class	I / Protective conductor
Cables that can be worked	(approx.) 1–20 mm
Ambient temperature	Operation +10°C to 40°C
Storage/Transport	10°C to 55°C
Humidity	50% at 40°C (without condensation), 90% at 20°C (without condensation)
Degree of pollution	2
Continuous sound pressure level	70 dB(A)
Dimensions	352 x 505 x 700 mm (WxHxD)
Weight	35 kg
Accuracy with 80% of labels	
Y-offset of the label	max. 2 mm
X-offset of the label	max. 2 mm
Label closure (above cable)	max. 4 mm not glued
Interfaces	all standard printer signals as IOs (24V)
HW signals installation	Ready, Fault, External Start Signal
Label width	15 to max. 50 mm
Label length	50 to max. 150 mm
Print resolution	300 dpi (optional 600 dpi)

Brady has so far tested and approved the following materials for use on the FlagMaker: B-425, B-483, B-7573, B-7594, B-7604 and B-8470. Other materials are in preparation.

### Examples of the resulting flag length for different cable diameters and label sizes

Cable diameter (mm)	Label length (mm)					
	50	75	90	110	115	150
	Resulting Flag length (mm)					
1	23.4	35.9	43.4	53.4	55.9	73.4
2	21.9	34.4	41.9	51.9	54.4	71.9
4	18.7	31.2	38.7	48.7	51.2	68.7
6	15.6	28.1	35.6	45.6	48.1	65.6
8	12.4	24.9	32.4	42.4	44.9	62.4
10	9.3	21.8	29.3	39.3	41.8	59.3
12	6.2	18.7	26.2	36.2	38.7	56.1
14	3.0	15.5	23.0	33.0	35.5	53.0
16	- - -	12.4	19.9	29.9	32.4	49.9
18	- - -	9.2	16.7	26.7	29.2	46.7
20	- - -	6.1	13.6	23.6	26.1	43.6

Each label can be fully printed on the areas that make up the front and back of the flag, as well as the area that wraps around the cable. The resulting flag length in the table above refers to the flat area of the flag, once it has been applied to the cable. Keep this in mind when you for example need to print 2D codes (QR code, data matrix) on the label, as the readability of these codes is limited on curved surfaces.