



Automatic capacitors winding machine

FLEXCAP 4



Producing high quality coreless capacitors
for AC and power electronic applications

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Worldwide leader in the manufacturing of capacitors winding machine

METAR machines swiss made

Product

▶ Winding Dimensions

	D-Mode	② S-Mode	② S4-Mode
Minimum diameter	15 mm	15 mm	15 mm
Maximum diameter	80 mm	80 mm	80 mm
Minimum width	25 mm	50 mm	50 mm
Maximum width	80 mm	127 mm	127 mm

▶ Mandrel diameter

	Extended range ①	Standard range
D-Mode	Ø5mm to Ø7,5mm	Ø8mm to Ø22mm with pitch every 0,5mm
S-Mode ②	Ø5mm to Ø7,5mm	

① Dimension upon request → requires special equipment for thermowelding

② Optional / upon request

Equipment

▶ Standard and optional equipment for FlexCap 4 Basic machine

D-mode (2 burn-off without cover film)

▶ Standard equipment D-Mode

Quantity Designation

1	Center thermowelding
6	Reel carrier for rolls diameter 75 mm (3 inch)
1	Smooth (and linear) thermowelding device at end
2	Burn-off device for one side of one film
4	Rewinder for aluminium reel, inside diameter 33 mm or 40 mm (to be confirmed)
4	Aluminium roll for demetallization
1	Set of 3 mandrels, (to be confirmed)
1	Set of special tools

▶ Optional equipment

Designation

- ▶ Edge guiding system for metallized film type DS
- ▶ Positioning device for metallized and / or cover film
- ▶ Motor rotation inversion for metallized film
- ▶ Winding up to outside diameter on cover film winding position
- ▶ Winding on calculated capacitance
- ▶ Variable film tension during main winding
- ▶ Variable pressure on pressure roller during main winding
- ▶ Printing device
- ▶ Cover film
- ▶ S-Mode
- ▶ S4-Mode
- ▶ Special equipment for mandrels Ø5 to Ø7,5mm