



Automatic capacitors winding machine



MINICAP 4 S160
S300

Producing high quality and high productivity
for DC metallized film capacitors

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Worldwide leader in the manufacturing of capacitors winding machine

METAR machines swiss made

Product

▶ Winding dimensions

	S160	S300
Minimum diameter	3 mm	3 mm
Maximum diameter	18 mm	18 mm
Minimum width	4.5 mm	6.5 mm (5 ^①)
Maximum width	17 mm	30 mm

① Dimension upon request

▶ Mandrel dimensions

	S160	S300
Minimum diameter	1.2 mm	1.6 mm
Maximum diameter	6 mm	6 mm

Equipment

▶ Standard equipment

Quantity	Designation
2	Reel carrier for rolls diameter 75 mm (3 inch)
1	Circular initial thermowelding device
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)
2	Aluminium roll for demetallization
1	Set of mandrels
1	Set of special tools
1	Set of air guiding sleeves

▶ Optional equipment

Designation

- ▶ Additional air guiding sleeves
- ▶ Mandrel diameter 1.2^③ / 1.6 / 2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 5.5 / 6.0mm
- ▶ Measuring bridge^②
 - Monitors & adjusts the capacity of each winding
 - Ensures quality & reduces costs of metallized film
- ▶ S4-Mode (S-Mode only) including independent film tension

▶ Other specifications^①

- ▶ Film tension for :
 - S160 from 7 to 100 cN
 - S300 from 7 to 100 cN
- ▶ Pressure roller :
 - S160 from 25 to 300 cN
 - S300 from 50 to 600 cN

▶ ① Not all combinations of parameters can be guaranteed, e.g. film width x thickness. For critical dimensions, please contact us.

▶ ② Upon request

▶ ③ Available for S160 only