

# AUTOMATIC CAPACITOR WINDING MACHINE

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- \* **Quad Winding System**
- \* **AC Servo Tension Control**
- \* **Stagger Cut & Burn off Winding**
- \* **One Touch Spool Locking System**
- \* **Electro Pneumatic for Film Tension**

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**PRODUCTION CHART**

**QUAD WINDING**

VALUE	Film Width	Thickness	Turns	Qnt/hr
2.5Mfd	37.5 mm	6µm	300	1400 - 1500
10 Mfd	37.5 mm	6µm	852	850 - 900

**TRIPLE WINDING**

VALUE	Film Width	Thickness	Turns	Qnt/hr
10 Mfd	50.0 mm	6µm	630	900 - 950
25 Mfd	50.0 mm	6µm	1200	380 - 400

**DUAL WINDING**

VALUE	Film Width	Thickness	Turns	Qnt/hr
30Mfd	75 mm	6µm	1000	250 - 275
36Mfd	75 mm	6µm	1200	225 - 250
50 Mfd	75 mm	6µm	1350	200 - 225

**SINGLE WINDING**

VALUE	Film Width	Thickness	Turns	Qnt/hr
36Mfd	100 mm	7µm	940	180 - 200
50Mfd	100 mm	7µm	1200	140 - 160
72Mfd	100 mm	7µm	1350	120 - 130

Winding Speed : 3000 to 8000 rpm

Surface Speed : 3 to 8 m/sec

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## TECHNICAL SPECIFICATIONS

### METALLIZED & COVER FILM

Details	Quad	Triple	Dual	Single
Number of Reels	4	3	2	1
Min Width (mm)	30	30	50	50
Max Width(mm)	37.5	50	75	110
Core Size (mm)	34 &42	54	79	104

#### Metallized Films

**Diameter** ID : 75mm OD: 350mm

**Thickness** 5 to 12 micron

#### Cover Film

**Diameter** ID : 75mm OD: 250mm

**Thickness** 20 to 30 micron

#### Burn off Foils

**Diameter** ID : 75mm OD: 180mm

**Width** 170mm

**Thickness** 18 to 30 micron

#### Logic & Drives

**Interface** 7"Colour Touch Screen with 200 program memory (Delta).

**Controls** Programmable Logic Controller ( Delta)

**Drives** AC Drive for Winder and Cover Film ( Delta)

**Tension** Ac Servo Drive and Motor (Delta)

#### Power Supply & Dimensions

**Power** 230 V AC +/- 10%, 50 Hz, 1 phase, 3 KW ( Must be with UPS).

**Air Supply** Pressure - 6 Bar, consumption - 6 cfm ( Filtered & Dry Air Supply).

**Weight** 2250 Kgs (Approximate).

**Dimensions** 2500 (W) x 1850 (H) x 1850 (D) mm.

**Work Place** Must be Dust Free & Air Condition Room.

**Work Area** 2500 (W) x 1850 (H) x 1850 (D) mm.

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# About the Company

Geotron has begun its journey in 2009 and has been focused on developing Capacitor Manufacturing Machineries.

Machines are designed using modern automation Techniques incorporated with AC Servo system, Programmable Logic Controller, Touch Screen with memory, reliable pneumatic and electrical parts which makes machine more reliable, efficient, highly functional, easy to operate and maintained.

Geotron offers a range of low-cost to automated systems, provides specific solutions to the capacitor industry. Geotron has become synonymous for providing reliable products & an attractive source in terms of Technology & price.

## GEOTRON

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