

**TCW 150**

**GLOBONIC'S**  
MFG OF SPECIAL PURPOSE MACHINES

## SMART TRIPLE CONCENTRIC CAPACITOR WINDING MACHINE

**Star or Delta Configuration**  
OD150mm & Length 150mm



**ACCURACY**

**- DURABILITY -**

**VERSATILITY**

### Features

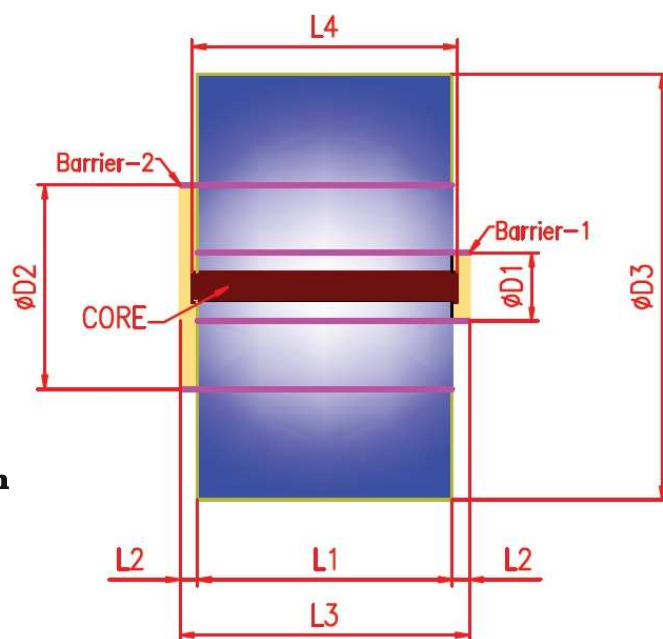
- Automatic Winding Machine for Large Capacitors for Power Factor Correction and Power Electronics.
- Dual & Triple Concentric Winding for Star or Delta Configuration and Single Value Winding facility.
- Double or Single Winding Mode, facility Up to 150mm, Provision for 13Hex Core Winding.
- Reel with quick Locking System for Easy Loading / Unloading of the Spools.
- All 4 MPP Films are De-Metallization Facility in the Initial and Final Turns of Winding.
- Electronic Tension Control for Mpp Film Spools gives Uniform Tension, resulting in High Quality Winding & Higher Productivity.
- Robust Welded Steel Structures, accurately Machined and Finished for Mounting of Various Parts Ensures Prefect Alignment - of All Mechanical Assemblies with reference to the winding mandrel.
- 3 Position Indexing Arrangements, Facilitates Simultaneous and Continuous Operation .
- Staggered cut with or without Burn-off.
- Different De-Metallization Configurations Technology.
- Winding with Calculated Capacitance turns.

## TECHNICAL SPECIFICATION

Width Range of Double Winding	30-75mm
Width Range of Single Winding	100mm & 150mm
Core Size	5 Hex & 13 Hex
Range of Winding Diameter	15mm to 150mm In Normal Winding 37.5mm to 150mm In DCW & TCW Winding (Star / Delta)
Max. Barrier Projection	4mm
Max. Mandrel Rotation Speed in RPM	6000RPM
Range of MPP Material Thickness	4μ - 12μ
ID / OD of MPP Spool	ID 75 and OD 350mm
Number of Mpp Spool	4
Range of Barrier Material Thickness	65μ - 75μ
ID / OD of Barrier Spool	ID 75 and OD 250mm
Number of Barrier Spool	2
Range of PP Material Thickness	25μ - 30μ
ID / OD of PP Real	ID 75 and OD 220
Number of De- Metallization Device	2
Width Range of De- Metallizatio Foil	180
ID / OD of Alu. Foil Spool	ID 40/ 75mm and OD 180mm
<b>General Specification</b>	
Power Supply	415 /380V, 3 Phase , 50/60Hz, 4kW
Air Supply	Compressed Air @ 6 bar. Consumption 10cfm
Floor Space	2450mm x 1600mm x 2600mm ( L x W x H)
Machine Weight	2400Kgs ( Approx)

\* Other specification available on request.

Note: We reserve the right to modify above specifications at any time. Please confirm your specification before ordering.



**Star or Delta Configuration**

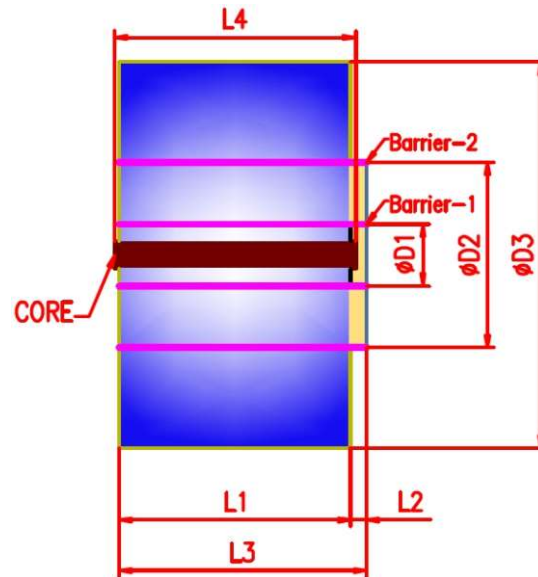
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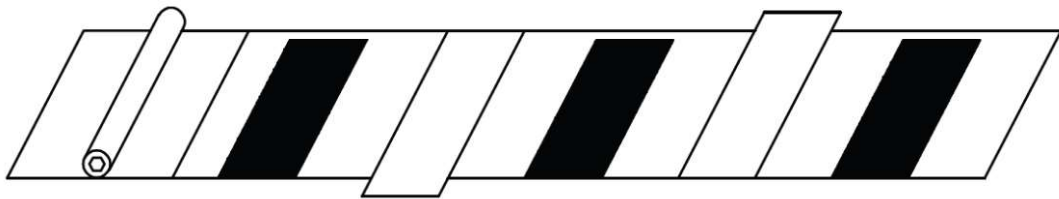
ØD1, ØD2 Barrier	ØD1- 22 to 66mm & , ØD2- 30 to 90mm
ØD3 ØWinding	150mm
L1 Winding Width Dual Mode	30 to 75mm
L1 Winding Width Single Mode	100 or 150mm
L2 Barrier Shift	3 to 4mm
L3 Dual Mode	38 to 83mm
L3 Single Mode	108 or 158mm
L4 Core	33 to 153mm

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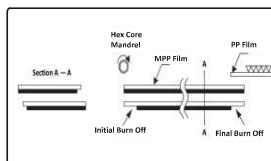


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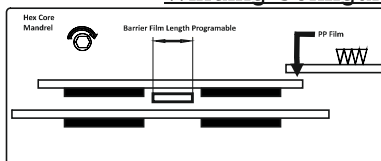


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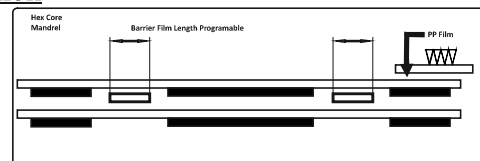
## Winding Configuration



Single Value Winding



DCW Winding



TCW Winding

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