



# SSM *Classic Wind*<sup>™</sup> for Rewinding

CWX-W

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# SSM CWX-W *Classic wind*™





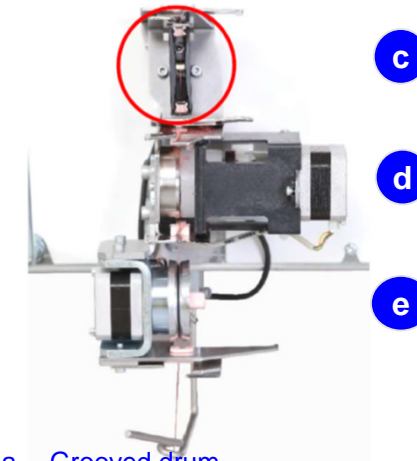
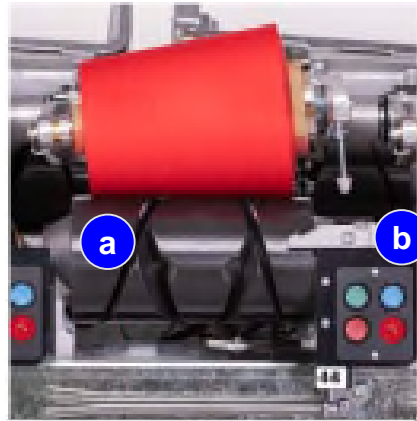
## **SSM CWX-W *Classic Wind*<sup>™</sup>: Applications**

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'cone to cone' rewinding of grey and dyed yarn for

- Knitting
- Weft yarn winding
- Warp beam preparations
- Remnant winding
- Rewinding of defective packages

# SSM CWX-W Classic Wind™ : Technology



- a. Grooved drum
- b. Transfer tail
- c. Yarn tension sensor
- d. Dry waxing
- e. Magnetic disc tension

1. Classic wind™ random winding
2. “Schweiter” drum design for highest speeds
3. Individual spindle BLDC Motor drive
4. Individual spindle inverter drive control
5. Electro Magnetic disc tension
6. Motorized dry waxing
7. Yarn tension sensor (on option)
8. Individual spindle length control
9. Diameter control
10. 15” touch screen terminal
11. Transfer tail
12. Mechanical speed up to 1500 m/min
13. Double sided MC
14. Spindle configuration-16,32,48.....96,112,128
15. Energy consumption- 35 ~ 75 watts/spindle
16. Cylindrical and Conical (5°57’) packages
17. Separator for supply packages
18. Full package tray and empty package pegs
19. Emergency stop
20. ‘CE’ accreditation



## **SSM CWX-W *Classic Wind*<sup>™</sup> : USP**

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1. *Classic wind*<sup>™</sup> for classic packages
2. Superior 'off winding' performances in the subsequent processes
3. Superior and unique machine features with manoeuvrability at ease
4. Highest productivity
5. Lowest operational costs
6. Least space requirements
7. Modular and flexibility
8. Centralized machine control via 15" touch screen for all MC settings
9. Delight in working
10. World class brand & pride in ownership
11. Superior service network
12. Better re-sale value and global market acceptance

# CWX-W Classic Wind™: Some Impressions



# CWX-W Classic wind™: Some Impressions



## Classic packages from SSM *Classic wind*<sup>™</sup>, CWX-W



- 100% Dyed Cotton
- Ne 24/1 / 4°20' / 1.52 kg / 330 kg/m<sup>3</sup>
- Package dia: 220mm
- Speed: 1000 m/min
- Application: Knitting



- 100% dyed cotton
- Ne 40/1 / 4°20' / 3.0 kg / 415 kg/m<sup>3</sup>
- Package dia: 270mm
- Speed: 900 m/min
- Application: Weaving



## Comparison of SSM *Classic wind*<sup>™</sup> Vs Others



Technology	SSM <i>Classic wind</i> <sup>™</sup>	Other Brand (XXXX)
Inverter	Individual per position	Group (1 per 18 or 24 positions)
Speed control	Individual	Group
Drum design	“Schweiter” drum	Normal drum
Motor	BLDC >> Low energy	AC Motor >> High energy
Slow start	Programmable	Not possible
Transfer Tail	In-Built	Not available
Tension device	Electro-magnetic	Mechanical
Tension control	Via machine terminal	Individually adjusted
Progressive tension control	Possible	Not possible
Display	15” touch screen	Simple display
Winding recipe control	Possible	Not possible
Diameter control	In-Built	Not Available
Space	Compact Machine	~ 40-50% more space
Speed	Up to 1500 m/min	Up to 1000 m/min

# CWX-W Classic wind™: Production at a glance...

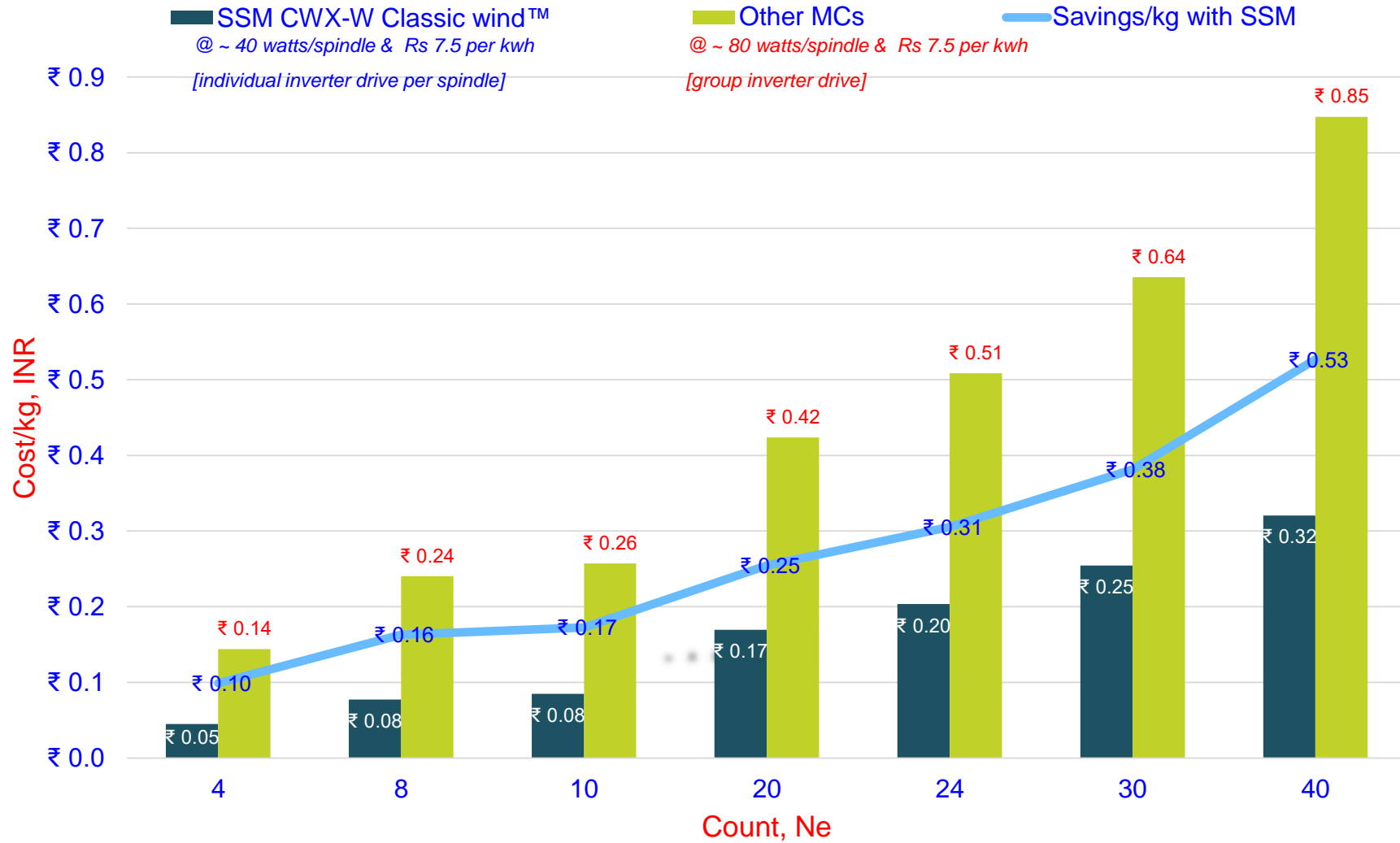
(for dyed yarns)



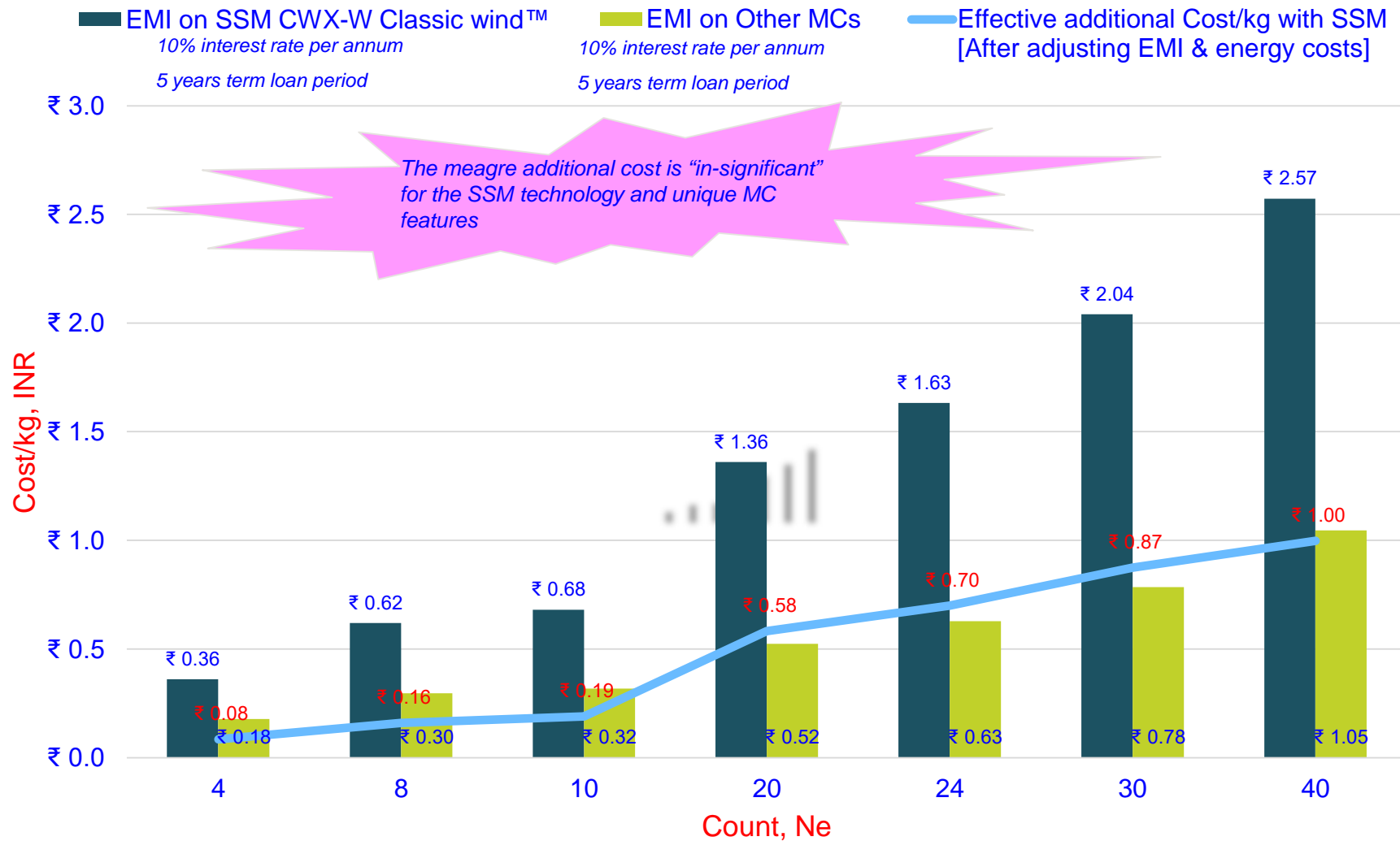
		Production in kg per day of 22.5 h								
Count Ne	Speed** m/min	Number of spindles								
		1	16	32	48	64	80	96	112	128
4	800	127.4	2039	4078	6117	8156	10195	12234	14273	16312
8	900	74.4	1190	2380	3570	4760	5950	7140	8330	9520
10	1000	67.7	1083	2166	3250	4333	5416	6499	7583	8666
20	1000	33.9	542	1083	1625	2166	2708	3250	3791	4333
24	1000	28.2	451	903	1354	1805	2257	2708	3159	3611
30	1000	22.6	361	722	1083	1444	1805	2166	2528	2889
40	1000	17.9	287	573	860	1147	1434	1720	2007	2294

\*\* speed is limited only to yarn quality and supply package quality / for grey yarn winding, the speeds can be higher by at least 20~30%

# Energy Cost Comparison of SSM CWX-W Vs other machines on different counts



# EMI Cost Comparison & Effective additional cost of SSM CWX-W Vs other machines on different counts



# Machine Layout- CWX-W Classic wind™



Spindles	16	32	48	64	80	96	112	128
Length, mm	2293	4570	6847	9124	11401	13678	15955	18232

