SINCE 1980

Micro Slitter & Winder Machine Mfg.
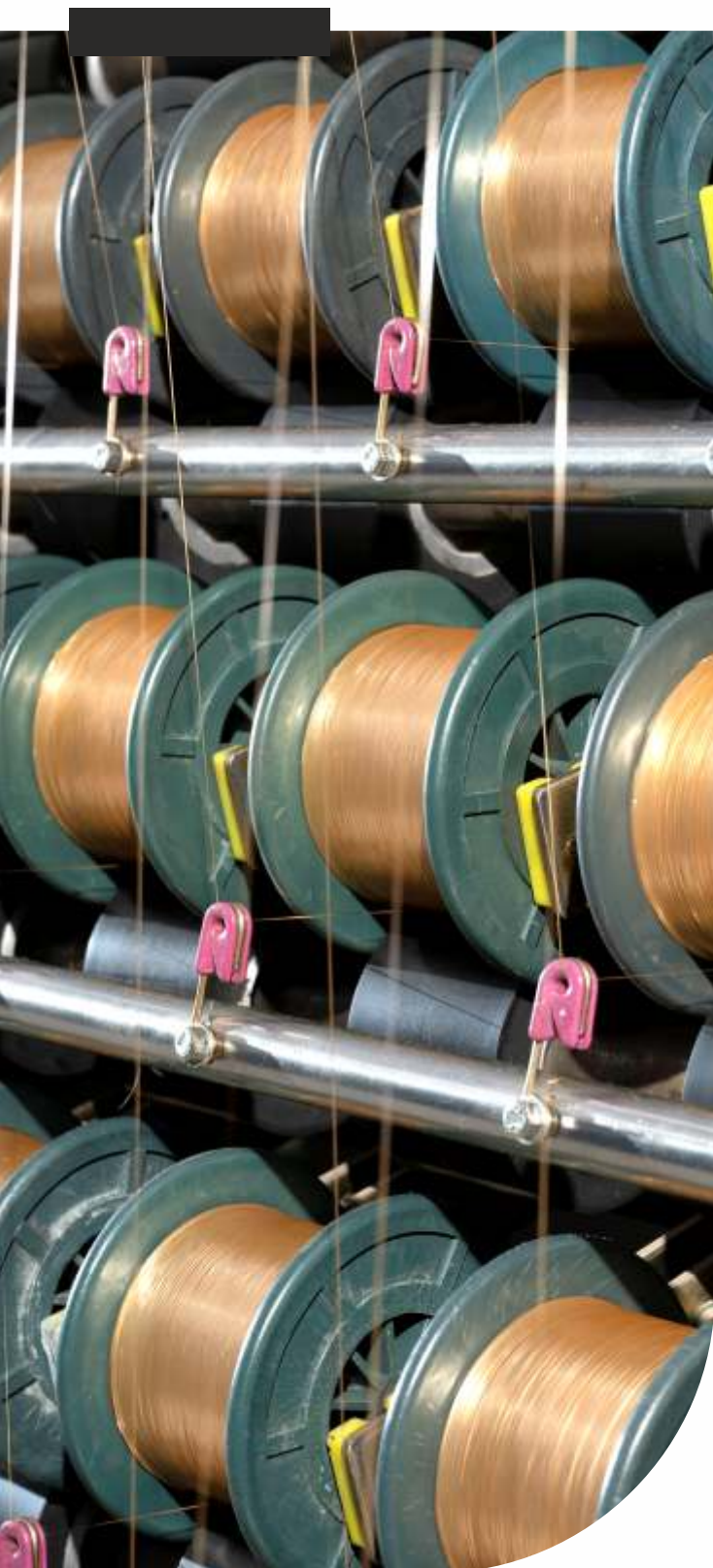
www.sm-engineering.com

S M
ENGINEERING

S.M. ENGINEERING
(Prop. Viral Corporation)

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About Us

Customer-centric attitude and technology driven approach, we identify the needs of the clients and incorporate them while developing our products. We use latest product development techniques to bring up an advance range. We have a proficient team blessed with creative insights to develop attractive range of products. Apart from these, we have control over price mechanism and thus we offer products at competitive prices.

SM Engineering is delivering excellence since more than four decade. A company with background of machine tools, established in 1947 by Late Sanmukhlal M. Jariwala.

We make, what we call a state of an art machine with latest Innovative design. Our machines are Robust, Perfect & Precision.

On going research and development have been extensively carried out, as the most important programme in production activity, by thorough investigation into the problem of Micro Slitters.

We have developed what we sincerely believe to be the most advanced and efficient mechanism to suit the purpose of producing metallic yarn.

SM Micro Slitters and winders cover every possible requirement of today's industries where yarn is produced & used.
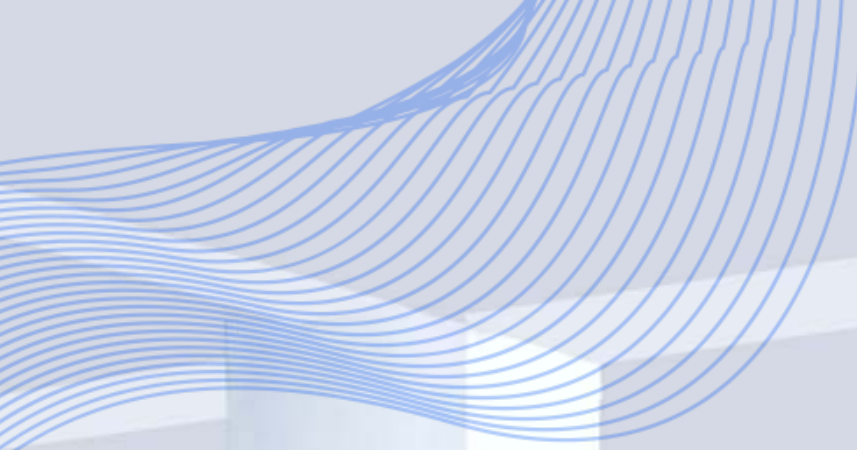
"Micro Slitter" is a general name given to both slitter and winder for producing fine metallised yarn 0.15mm 1 mm wide.
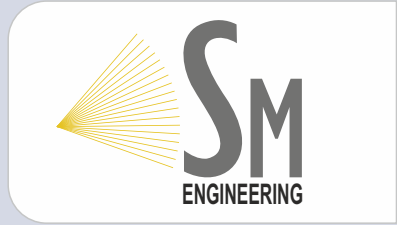
Quality Policy

Wind & Slit what can be easily unwound, effortlessly with maximum working efficiency anytime, every time, time to time.

- Deepak Jariwala

S.M.
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HIGH SPEED
MICRO SLITTER
& WINDER

Micro Slitter - Feature

★ Material to be slit is positioned easily at unwind shaft by one knob operation.

★ Smooth start lead by A.C. Drive Motor / Servo Motor.

★ Cutter unit accurately & efficiently built to eliminate friction heat, thrust pressure, jerking of cutters and obtains beautiful cutting face of yarn.

★ Cutter unit is quickly & easily interchangeable.

★ Cutters are well quenched, carefully sharpened, reasonably set, to last for 6,000-10,000 hours working.

★ Unwind tension is controlled completely by electrical brake and any torque can be easily set up by one knob operation & servo motor & drive.

★ Length counting device measures accurately length of the material to be slitted.

Material

1	Material to be handled	PET Film
2	Maximum web width	200 mm.
3	Web thickness	12 Micron to 50 Micron (50 to 100 gauge)
4	Max. unwind diameter	500 mm.
5	I.D. of unwind core	75 mm.

Slitter: Model No SMS 360/432/540

No.	Specification	Model 360	Model 432	Model 540
1	Cutter Size	43mm / 51mm	43mm / 51mm	43mm / 51mm
2	Minimum Slit Width	0.15mm	0.15mm	0.15mm
3	Slitting Speed (Max)	310 Meters/min. (Max)	310 Meters/min. (Max)	310 Meters/min. (Max)
4	Speed Change	Servo Drive / A.C. Motor	Servo Drive / A.C. Motor	Servo Motor/Drive
5	Main Motor	7.5H.P., 440 Volts / 4.5KW Servo	15H.P., 440 Volts / 5.5KW Servo	15H.P., 440 Volts / 5.5KW Servo
6	Cooling Blower for Cutter	1 H.P.	1.5 H.P.	1.5 H.P.
7	Unwind Brake	Electrical brake 5 Kg. nM torque	Electric Magnetic brake particles 10kg. nM torque	Electric Magnetic brake particles 10kg. nM torque

# Specification are subject to change.

BOBBIN WINDER MACHINE
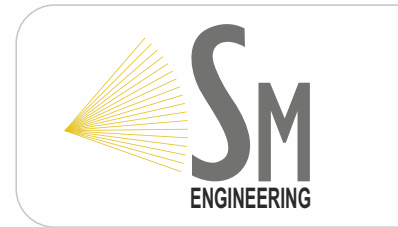
Winder: Model No SMW 360/432/540/ Up to 720 Bobbins

No.	Specification	Model 360	Model 432	Model 540
1	Number of bobbin	360	432	540
2	Diameter of bobbin flange	75mm	75mm	75mm
3	O.D. of bobbin core	55mm	55mm	55mm
4	Effective width of bobbin	76mm / 110mm	76mm / 110mm	76mm / 110mm
5	Adjustable extent of traverse stroke	53-59mm / 89-92mm.	53-59mm / 89-92mm.	53-59mm / 89-92mm
6	Adjuster of traverse speed	2HP A/C Motor	2HP A/C Motor	2HP A/C Motor
7	Weight (Approx.)	2100 Kgs (Approx.)	3000Kgs (Approx)	3500Kgs (Approx)

Specification are subject to change.
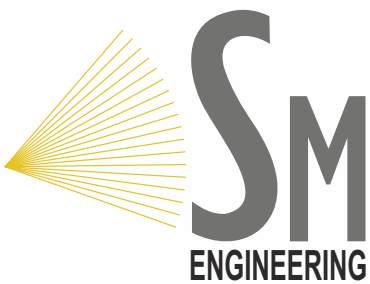
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