



Peass Industrial Engineers Ltd.

FM-K/FM-PT-K

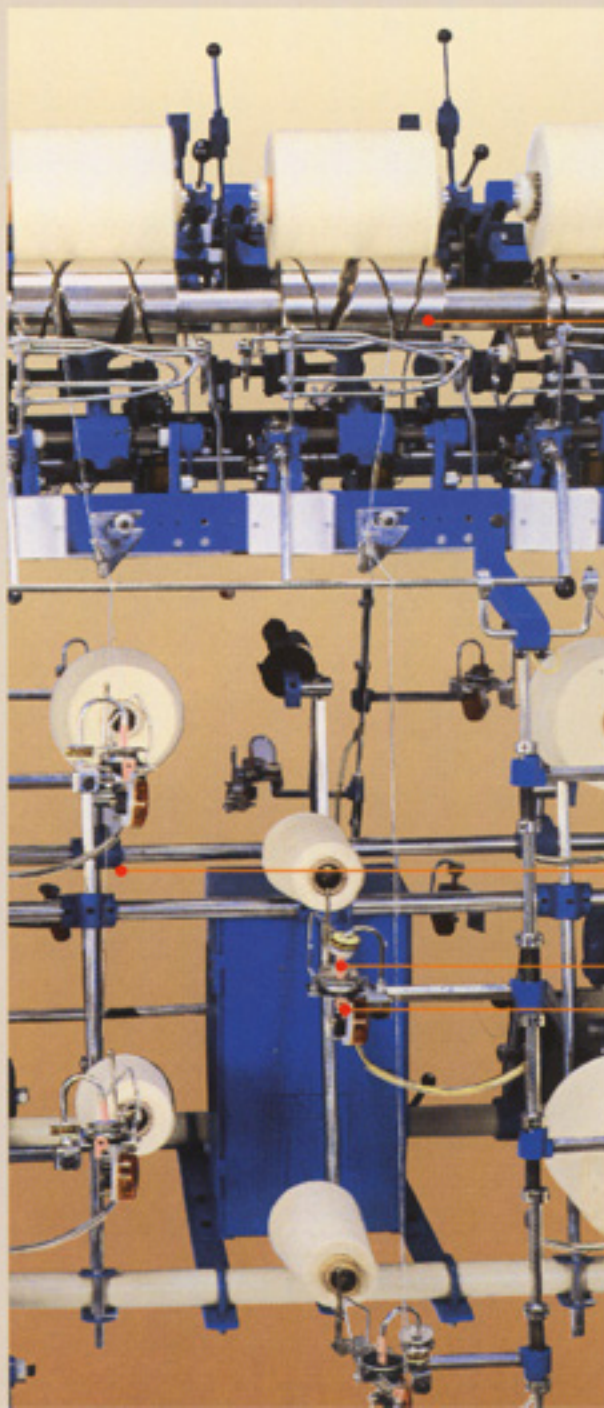
YARN ASSEMBLY WINDER



Yarn Assembly Winder

High speed Assembly Winding Machines are available in two different models for assembly up to 8 ends and 250 mm traverse, equipped with efficient electromagnetic brake shovel stop motion with built-in contact switch to prevent single end. Horizontal movable tension device with self-threading guide ensures threading with high efficiency & less fatigue. Twin wire yarn guide avoids split ends and compensates the tension difference of the individual end, resulting in best quality feed package for twisting machine.

The rigid and sturdy two sided construction of machine with heavy duty centrally driven ground shaft supported by pre-lubricated self aligned integral pedestal bearings ensures trouble / maintenance free high-speed performance of the machine.



Traverse drum

Self threading wire

Twin disc type tension device

Stop motion needle

Standard Features

- Individual electromagnetic stop motion
- Double Arm cradle to produce cheese or cone up to 4020'
- Grooved, light-alloyed hard anodized or C.I. hard electroless Nickle plated traverse drums
- Movable horizontal tension device with multi coloured weights
- Mechanical, split type loop catcher
- Efficient solid state electronic anti-ribboning device
- Universal supply package holder
- Twin wire yarn guide to avoid split end & to compensate the tension difference of individual ends
- Head stock with side openings, accommodating 2 main drive motors with 3 step pulleys
- Direct reading electronic tachometer for yarn speed indication



Optional Features

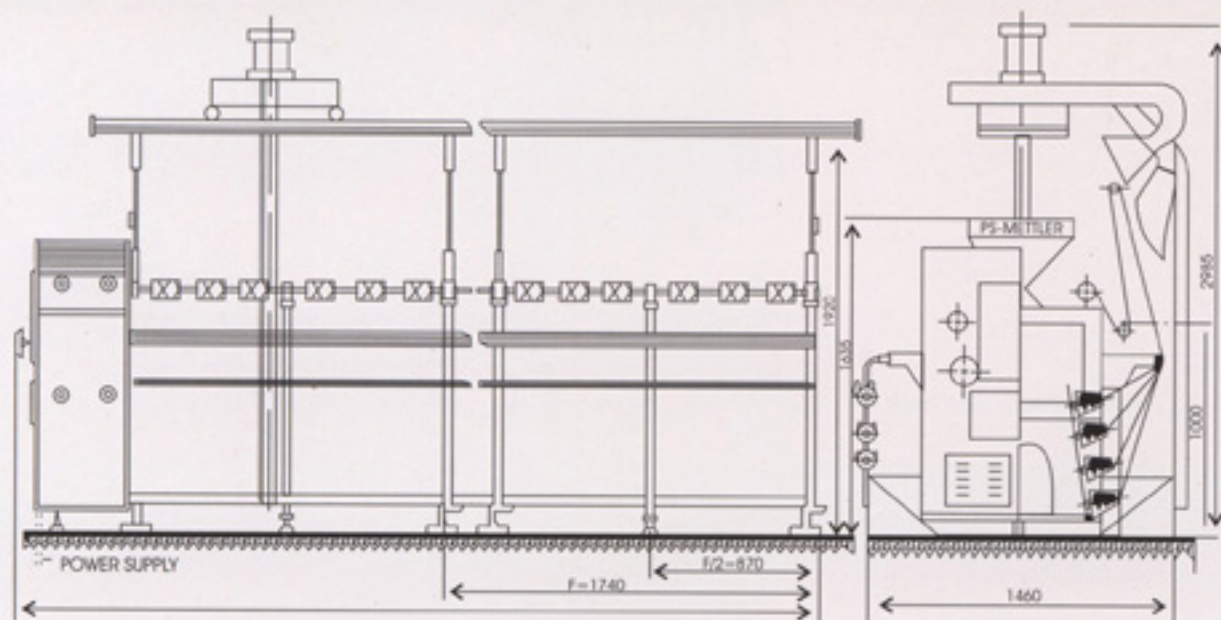
- Over head travelling blower
- Auto yarn length controlling device
- Indirect thread path
- Infinitely variable speed pulley
- Yarn cutter to prevent single end
- Ceramics on yarn path
- Balloon controller pot to avoid entanglement

Technical Specification

MACHINE MODEL	FMK	FMPTK
NO. OF WINDING HEADS	24 TO 156 (X 12)	16 TO 80 (X 8)
MACHINE ARRANGEMENT	DOUBLE SIDED	
SPINDLE GAUGE	270 mm	450 mm
NO. OF ENDS	2,3,4	2 TO 8
TYPE OF WINDING	RANDOM WINDING	
TYPE OF DRUM	STEEL / ALUMINIUM	
TYPE OF PITCH	1.5T/2T UNIFORM	3T UNIFORM
COUNT RANGE	No 6 TO 120	
PACKAGE DESTINATION	TWISTING	
WINDING SPEED	800 MPM	500 MPM
SUPPLY PACKAGE TYPE	ALL TYPES	
PRODUCE PACKAGE TYPE	CYLINDRICAL / CONE (4° - 20°)	
PRODUCE PACKAGE DIA	MAX Ø220	MAX 300
PRODUCE PACKAGE TRAVERSE	127/148 mm	200/250 mm
SUPPLY PACKAGE DIA	MAX Ø210	MAX Ø250
POWER	See table below	13 H.P. (80 SPDLS)
SPINDLE DRIVE	CENTRALIZED PER SIDE.	

Machine Dimensions

Number of spindles	24	36	48	60	72	84	96	108	120	156
Number of section 'F'	2	3	4	5	6	7	8	9	10	13
Approx. weight in kgs.	1900	2400	2900	3400	3900	4500	5100	5600	6200	7700
L (mm), f=1740mm. 5"×5" travs.	4240	5980	7720	9460	11200	12940	14680	16420	18160	23380
Transformer load in (KVA)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Total connected power (H.P.)	13	13	13	13	13	13	13	13	13	16



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