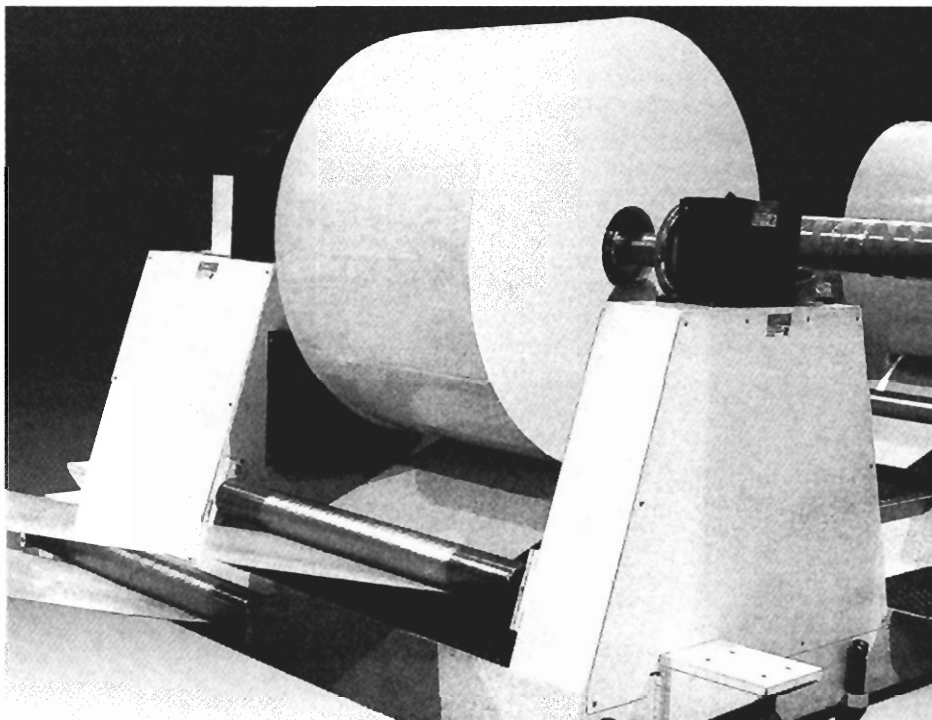


FIXED SHAFT WINDERS

FW Series



(Two Spindle Fixed Shaft Winder)

DESCRIPTION:

Vulcan's fixed spindle winders provide an economical means of winding sheet when line speeds are sufficiently low such that manual cut and transfer is employed. These units also work well with split web applications.

MODELS AVAILABLE:

No. of Spindles	Max. Package OD (inches)	SHEET WIDTHS					
		24"	36"	48"	60"	72"	84"
1	48	FW241	FW341	FW441	FW541	FW641	FW741
2	48	FW242	FW342	FW442	FW542	FW642	FW742
3	48	FW243	FW343	FW443	FW543	FW643	FW743

LOAD CAPACITY:

- Maximum load capacity - 3000 pounds/spindle
- Higher spindle capacity winders available as option

WINDER CONFIGURATION:

- Modules rigidly bolted together
- Provisions for modules to be permanently joined - offered as option
- Sheet Transfer conveyor and direction changing idlers provided for manual cut-and-transfer operations
- Multiple spindle configurations for winding slit sheet
- Sturdy operator platforms for easy access to all spindles

FRAME CONSTRUCTION:

- Heavy duty formed and welded plate, tubing and structural sections
- Rigid V-groove casters and screw type floor jacks
- Fully guarded drive train and electrical components

DRIVE TRAIN:

- Constant tension winding duty motor drive for each center-driven spindle
- Drive sized for maximum tension of two pounds per lineal inch of sheet width unless otherwise specified
- Gear shift transmission for wider speed range
- Maximum line speed - geared in for customer's specific requirements
- Independent spindle operation - accommodates slit sheet winding
- Maximum to minimum spindle RPM range - 50 to 1

SPINDLE CONFIGURATION:

- Spindles furnished with safety type chucks with 1 1/2" square openings as standard on 6" or above; 1 1/4" square openings for 3" cores
- Electrical and mechanical interlock requires chucks to be closed before spindle will rotate
- Winders furnished for operation with optional inflatable rubber membrane, sleeve or button type chucks

TENSION CONTROL:

- Constant winding tension adjustable to maximum of 2 PLI
- Tension controlled over wide tension range by varying motor voltage
- Motor voltage variation accomplished by variable AC transformer

CONTROLS AND ELECTRICAL:

- 230/460 Volt motors, 3 Phase, 60HZ
- 115 Volt control transformer
- Motor On-Off push buttons for each spindle
- Single turn rotary knob for tension control - each station

OPTIONS:

- Spindle capacities in excess of 3000 pounds
- Electrical other than 230/460V, 3PH, 60HZ
- Button type, leaf type, expandable rubber sleeve core chucks
- Provisions for modules to be operated independently
- AC brushless servo driven units
 - All parameters are adjustable "on the fly" via a 4-line LCD operator control station with key pad input
 - Drive can be programmed for constant tension, torque taper, dancer control, constant torque, or position error, depending on application requirement

Vulcan Machinery Corporation

20 North Case Ave., Akron, Ohio 44305
Phone: (330) 376-6025 Fax: (330) 376-2172