

Surface Winders



Brampton Engineering

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Brampton Engineering Surface Winders are available in a wide range of models and sizes with standard and optional features to match specific winding applications.

- roller face widths up to 134" (3400mm)
- wound roll diameter up to 60" (1500mm)
- pneumatic core shafts to suit 3" (75mm) or 6" (150mm)
- line speeds up to 900 FPM (275m/min)
- standard automatic fly-knife cut over between the new core and finished roll for positive web transfer
- PLC controls for trouble-free operation.

Standard Features:

- automatic roll change-over requires operator only to load new core shaft and remove finished roll
- high pressure is maintained between the new core and the drum in the initial winding position and during core transfer which prevents slippage when winding tubular or gusseted films and ensures excellent roll density in the critical, initial stages of the roll
- full width, transparent knife guard, incorporating safety interlocks with the cut-off knife
- variable surface pressure between the wound roll and the drum allows roll hardness to be precisely controlled
- bowed spreader roll just prior to the winding drum
- surface drum driven by field-oriented control AC drive which follows the nip drive, with dancer tension control
- length counter – warning and cutover setpoints
- cutover sequence monitored through a PLC providing trouble-free operation
- full emergency stop system
- dual-knife slitting station allows slitting and/or edge trimming within the winder and adjustable blade depth provides longer blade life
- bowed spreader roller.

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Quality: Brampton Engineering Inc. World Headquarters continues to meet the ISO 9001:2000 standard which covers design, manufacture, assembly, installation and service of our products.

Optional Features

- additional winder nip
- cored roll and double-shelled cooling systems minimize post-winding web shrinkage
- precise tension control using ultra lightweight, horizontal dancer or electronic load cell tension control
- full-roll unloading allows rolls to be lowered to floor level hydraulically
- a variety of spreader rollers - web or tendency driven
- static eliminator bar
- pneumatic core shafts.

Roll Face		Winder Width	
inches	(mm)	inches	(mm)
34	850	84	2100
44	1100	94	2350
54	1370	104	2600
64	1600	114	2900
74	1900	126	3200
84	2100	134	3400
94	2350	144	3650
104	2600	154	3950
114	2900	164	4200
124	3150	174	4400