



DUSENBERY® CONVERTING SYSTEMS
PARKINSON TECHNOLOGIES INC

MASTERSLIT™

Slitter Rewinders



Dusenbery® has set converting industry standards for quality, performance and productivity for over six decades. Our latest line of MasterSlit™ slitter rewinders continues this tradition by using state of the art components and proven winding and web handling techniques to deliver equipment that is safe to operate, ensures quality, and improves productivity.

www.dusenbery.com

C Series

Center Slitter Rewinders



DC4 shown with optional roll pusher and laser core alignment system

DC4	
Overview	The DC4 was inspired by the popular model 835 center slitter rewriter. This new incarnation offers a new look and design with superior performance including faster speed, higher capacity, enhanced ergonomics, and easier thread-up. The DC4 offers exceptional web handling accuracy and technology by maintaining consistent web strain throughout the finished roll structure.
Standard Web Widths	48", 54", 62", 72" (1219 mm, 1372 mm, 1572 mm, 1828 mm)
Standard Rewind Diameters	32" and 40" (813mm and 1016 mm)
Standard Operating Speeds	2000 fpm and 2625 fpm (610 and 800 mpm)

Unwind Stand Options



Model Number	Unwind Type
SD40	Shafted, Frame Mounted
SD60	Shafted, Frame Mounted
PA48	Pivoting Arm, shaftless
PA72	Pivoting Arm, shaftless
TA48	Translating Arm, shaftless
TA72	Translating Arm, shaftless



DC1	DC2	DC3	DC5	TC1
Designed for narrow web applications the DC1 evolved from the original model 633.	Based on the model 635, possibly the most popular slitter rewinder ever created, the new DC2 expands on that popularity by continuing to offer an economical solution with increased performance.	Expanding on the successful model 700, the DC3 continues to offer a slitter with integral unwind for space saving functionality.	Elaborating on the robust qualities of the model 1035, the DC5 is equipped with a retracting center to support larger rewind diameters and wider web widths.	Expanding on the original model 335, the TC1 duplex turreting center slitter rewinder offers fast finished roll removal and easier core placement.
40" (1016 mm)	72" (1828 mm)	62" (1575 mm)	90" (2286 mm)	90" (2286 mm)
24" (610 mm)	30" (762 mm)	30" (762 mm)	32" (813 mm)	32" (813 mm)
1500 fpm (460 mpm)	2000 fpm (610 mpm)	1500 fpm (460 mpm)	2000 fpm (610 mpm)	2500 fpm (762 mpm)

Floor Pickup	Max. Roll Diameter	Max. Web Width	Max. Web Speed	Max. Roll Weight
Optional	40"			
		75"	2,000 fpm	2,500 lbs
Optional	60"			
Yes	48"			
		100"	3,000 fpm	8,000 lbs
Yes	72"			
Yes	48"			
		100"	3,000 fpm	10,000 lbs
Yes	72"			

CS Series

Center Surface Slitter Rewinders

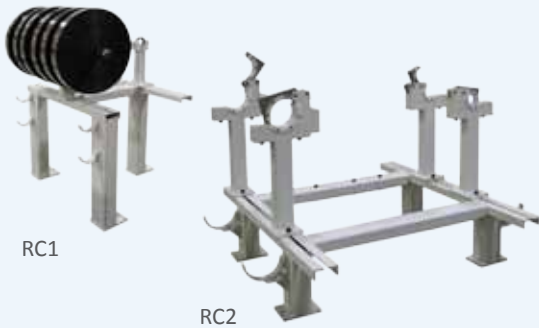


CS4

	CS4
Overview	Improving on the already successful model 280 and 800 , the CS4 offers unmatched flexibility with an updated new look and increased performance. Ideal for R&D applications or any operation seeking the versatility to accurately slit paper, film, nonwovens or foam up to 86 inches (2185mm) wide with center, center-surface or center winding in minimum gap mode.
Max. Web Width	86" (2185 mm)
Max. Rewind Dia.	40" OD and 50" OD (1016 mm OD and 1270 mm OD)
Max. Speed	2500 fpm (760 mpm)

	CS1	CS2	CS3
Overview	Originally developed as the model 740 , this duplex cantilevered center surface slitter rewriter is ideal for narrow width slitting. Also available as a lift-out.	The CS2 features a shaftless rewriter with trimming capability and minimum gap or contact rewinding capabilities that was originally known as the model 400 .	Built upon the model 220 , this simplex shafted rewriter is ideal for trimming and rewinding or bisecting; available in minimum gap or contact rewinding mode.
Max. Web Width	63" (1600 mm)	86" (2185 mm)	86" (2185 mm)
Max. Rewind Dia.	24" (609 mm)	50 " OD (1270 mm)	50" (1270 mm)
Max. Speed	1500 fpm (460 mpm)	2500 fpm (760 mpm)	2500 fpm (760 mpm)

Roll Cradle Stands



RC1

RC2

Model Number	Description
RC1	The RC1 Roll Cradle stand are suited for lift-out applications with narrower rewind diameters. The 3" and 6" mandrels are held from the center, allowing the operator to remove the finished packages from both sides of the shaft.
RC2	The model RC2 Roll Cradle stand are used with wider rewind diameter applications where additional strength is required. The two sets of adjustable holder/latches accommodate 3" and 6" mandrels.

Unload Stands



US1

US4

Model Number	Description
US1	Designed to unload finished rewind packages from cantilevered rewind mandrels. US1 is a standard vertical plane unloader.
US2	Same features as the US1 but with independent swinging mandrels to allow access for portable roll handlers.
US3	The US3 unloader rotates manually forward or away from the mandrels in a vertical plane (180° total rotation) and then mechanically pivots to the horizontal plane for ease of unloading.
US4	Same features as the US3 but motorized for a higher level of ease.

S Series

Surface Slitter Rewinders



DS2 shown with roll unload table

	DS1	DS2
Overview	The DS1 is ideally suited for many paper and nonwoven applications. Built upon the success of the model 840 , it features a special tension control technique for clean cutting of various paper and nonwoven materials including gummed tape. Similar to the DS1, the DS2 offers the ability to slit large paper and nonwoven materials. Expanding on the original model 909 , the DS2 is engineered to slit large rolls at higher speeds.	
Maximum Web Width	80" (2032 mm)	160" (4064 mm)
Maximum Rewind Diameter	48" (1219 mm)	60" (1524 mm)
Maximum Speed	2000 fpm (610 mpm)	2500 fpm (765 mpm)

Optional Features

Options	Description
Laser Core and Knife Positioning System	Ensure cores align with knife positions saving time and eliminating frustration.
Automatic Knife Positioning System	Available in score, shear (top or top/bottom configuration) or razor for quick and easy positioning.
Finished Roll Pusher	Linear actuated roll pushers enable the operator to remove the finished rewind packages without repetitive physical force.
Three Motor Drive	Independently driven duplex shafts accommodate rewind roll variations and allow full width rewinding.
Static Elimination System	Discharge harmful static electricity that may damage material or that can be harmful to operators.
Vacuum Trim System	The unique 45° Venturi profile substantially increases air velocity and static pressure, providing more efficient trim removal.
Oscillating Trim Winders	Trim winders help to maintain tension in the cutting zone and ensure that the maximum amount of waste trim can be wound onto a smaller core.
Dancer Assembly	Maintains consistent web tension.
Splice Table Assembly	Neatly join two web ends together with pneumatic clamps or vacuum suction.



Laser Core Positioning System



Vacuum Trim System



Finished Roll Pusher



Splice Table Assembly

SK Series

Single Knife Cutters



	SK1
Overview	The SK1 single knife cutter was evolved from the model 3100 . This hydraulically driven linear feed single knife cutter can cut most rolled products with ease, including textiles, nonwovens, plastics, rubber, pressure sensitive tape, film and more.
Max Untrimmed Web Widths	120" (3,048 mm)
Max Core Length	120" (3,048 mm)
Max Roll Diameter	22" (558 mm)
Max Roll Weight (3" core)	300 lbs (136 kg)
Available Knife Dia.	20" - 26" (508 - 660 mm)

- Two speed knife entry system
- Electronic digital knife positioning preselection in increments of .001" and holding tolerances of +/- .005"
- Piggyback grinding system on the carriage grinds in the rear position or while cutting for increased productivity
- Grinding mode selector, continuous or programmable in the back position
- 4-jaw Universal chuck creates positive gripping of roll and core
- Linear ball bearing design for strong and smooth operation
- Manually positioned shaft end support
- Pre-wired, fully labeled circuitry for easy troubleshooting
- Full width safety guarding
- Counter/Totalizer package accommodates up to ten different slit widths
- Locked-knife cutting operation for lathe-type operation



Laser Alignment Assembly



Spray Mist System



JudAir Chuck



Piggyback Grinding System

Available Options

- Variable roll lengths up to 120" (length requirements that exceed 120" will be advised upon)
- JudAir chuck - push button semi-automatic gripping of roll and core O.D.
- Hydraulic end support for easy loading and unloading
- Tuftram/anodized coated aluminum sleeves to fit 1 1/2" mandrel, for use with 2"-8" I.D. cores; with milled flat or insert
- Borazon® grinding system
- Spray mist system to cool and lubricate knife
- Saw knife with exhaust system for removal cutting
- Laser alignment for initial trim cut

SE Series

Specially Engineered

Some applications require a specially engineered solution. Whether it's as complex as a fully automated machine for slitting thermal transfer ribbons or as straightforward as a simplex machine for slitting back sheet, Dusenbery can engineer a solution to fit your needs.



MASTERDOC

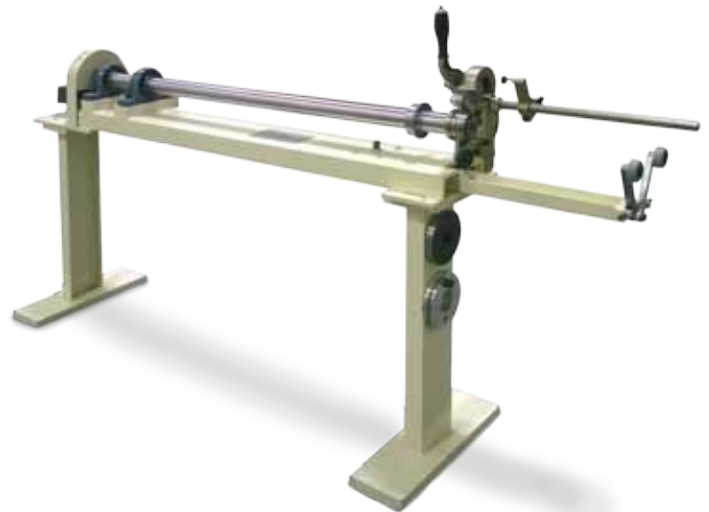
Roll Editor (Doctoring)

	Roll Editor
Overview	The Dusenbery roll editor is a versatile machine designed to provide a means of salvaging product by facilitating the removal of material and/or winding defects wound in a roll.

MASTERCORE

Core Cutters

	765 AB	765 AC
Overview	Dusenbery® Manual Core Cutters provide an efficient method for precision cutting of cores with 3" to 12" ID and up to 120" long.	
Core Diameter Min. I.D.	3"	3"
Core Diameter Max. I.D.	6"	12"
Max. Core Wall Thickness	1/2"	1/2"
Max. Core Length	45"	60"
Core Length with Support	90"	120"





Specification Sheet

Company: _____
Address: _____
City: _____
State: _____

Contact: _____
Title: _____
Phone: _____
Email: _____

Requested Model: _____
Existing Model S/N: _____
Equipment Budget: _____
Timing of PO: _____

APPLICATION SPECIFICATIONS									
Material	Thickness		Width		Tension		Speed		
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
1									
2									
3									
4									

REWIND SPECIFICATION									
Series	Slit Width		Roll Diameter		Core Sizes (ID)		Max Roll Weight		
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
C-Series (Center)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
S-Series (Surface)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

SLITTING ACCESSORIES				REWIND ACCESSORIES						TOP RIDING ROLL ACCESSORIES		
Type	Qty	Type	Qty	Cantilevered Qty	3"	6"	Other	3"	6"	Other	Length	Qty
Razor-in-Air		Direct Friction									Full Width	
Razor-in-Groove		Cam-Lock										
Shear		Locked-Core										
Score												

UNWIND SPECIFICATION									
Type	Floor Lift	Tension Control	Core Length		Max. Roll Diameter	Core Sizes (ID)	Max. Roll Weight		
Shaftless	<input type="checkbox"/>	<input type="checkbox"/>	Min.	Max.					
	Shafted	<input type="checkbox"/>	<input type="checkbox"/>						
		<input type="checkbox"/>	Brake	<input type="checkbox"/>					
	<input type="checkbox"/>	Motor	<input type="checkbox"/>						

OPTIONAL FEATURES

- Laser Core and Knife Positioning System
- Automatic Female Knife Positioning System
- Automatic Male/Female Knife Positioning System
- Semi-Automatic Model 413 RHS
- Fully-Automatic Model 413 RHS
- Finished Roll Pusher
- Three Motor Drive
- Static Elimination System
- Vacuum Trim System
- Oscillating Trim Winders
- Dancer Assembly
- Splice Table Assembly
- Overhead Web Path
- Alternative Drives & Controls (list Below)