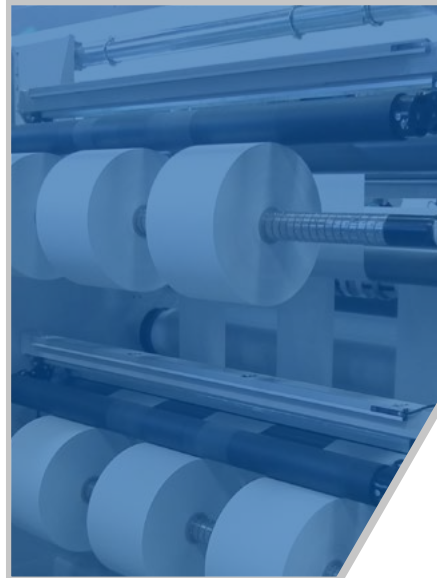
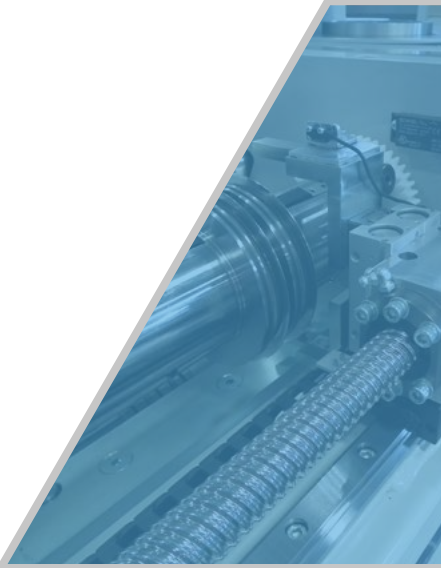




PRODUCT RANGE

Slitting & Rewinding Machinery



COMPANY PROFILE

ASHE converting equipment is a family owned company, established in 1976, and a global manufacturer and supplier of specialist state of the art slitting and rewinding machinery for the film, paper and allied web industries, ranging from widths of 300mm (12") up to a maximum of 8.7m (343").

The company's headquarters is in Ipswich, UK, and here all of the machines are designed by an experienced team of mechanical engineers using the latest engineering software. They work along-side dedicated software engineers who are responsible for tailoring software that make each machine 'user friendly'.

Our supplier level of technical expertise is reflected in the standard of technology you'll find in all of our machines.

We have subsidiaries in U.S.A. and China for sales and service (see back page for details), and have a network of qualified agents which can be found at www.ashe.co.uk.



WHERE TO GO

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DUPLEX SLITTER REWINDERS

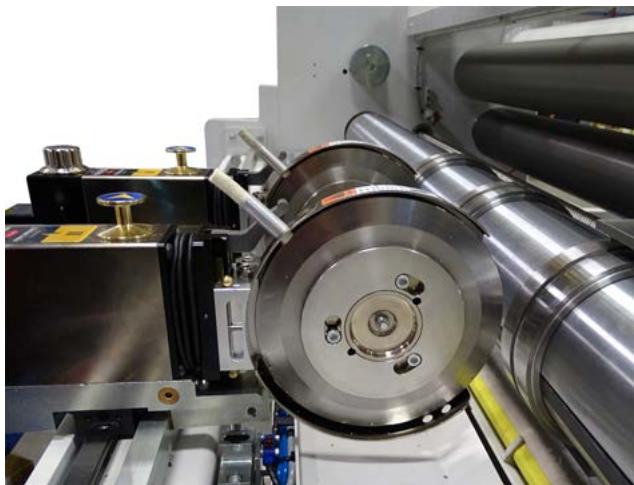
Sapphire S2 Series

Easy to use for high speed, high finish results

The Sapphire S2 is the only choice for ease of operation, repeatability and minimal downtime. The machines are acclaimed for its versatility in being able to handle many different products, without any changes to the machine operation.

Our vacuum roller technology is a key feature of the machine, which requires no operator setting or maintenance throughout the life of the machine. The machine is also a total electric operation, no hydraulics are used in the machine.

The machine can be equipped with many options for automation, which help in reducing setup times. It is also now available in three rewind diameter configurations, being 600mm, 800mm or 1000mm (24", 32" or 40").



Key Features

- Maximum speed 800m/min (2625ft/min) for optimum productivity.
- Perfect tension isolation and superior winding avoids slips and scratches.
- All electrical operation makes it the hygienic choice.
- Ergonomic design for ease of use, including walkway for access to slitting section.
- Core alignment system for quick, easy set up and use.
- Intuitive touch screen with job memory storage.
- ASHE digital edge guider.
- 3 motor drive system as standard.
- ASHE patented differential winding shafts or chucks.
- Guarding around unwind to meet CE standards.
- Optional extras include laser core alignment, digital knife positioning, auto knife positioning, driven unwind, splice table, static eliminators and various options for offloading and moving finished reels.
- Option for energy efficient trim winders available.
- Various rewind core sizes available.



Specifications

Machine Width	1000mm to 2000mm	(40" to 80")
Unwind Diameter	Up to 2000mm	(Up to 80")
Maximum Rewind Diameter	600mm, 800mm or 1000mm	(24", 32" or 40")
Maximum Machine Speed	800m/min	(2625 ft/min)
Minimum Slit Width	25mm and upwards	(1" and upwards)

Various slitting configurations available. Able to handle a wide range of Films, Laminates, Foils, Non-Wovens and Paper Full shaftless unwind with electric reel lift.

DUPLEX SLITTER REWINDERS



Sapphire S2T Series

Turret shaft technology for maximum output, minimum downtime

The sapphire S2T is the choice for the converter that is looking for maximum productivity and minimum downtime. This is achieved by the machine continuing to run, whilst the operator (or machine) takes off the finished rolls and puts new cores onto the rewind shaft.

The cycle time of the Sapphire S2T can be as low as 15 seconds and will automatically cut the web (at set length), and apply the new incoming web onto new cores.

Once again, the Sapphire S2T utilises our vacuum roller technology, and most options for minimising job setups can be added to the machine to increase productivity further. It also features a unique shaft support system (for larger rewind diameters) where the rewind shafts remain fully supported through the turreting sequence.



Specifications

Machine Width	800mm to 2000mm	(32" to 80")
Maximum Unwind Diameter	Up to 2000mm	(Up to 80")
Maximum Rewind Diameter	450mm and 600mm	(18" and 24")
Maximum Machine Speed	800m/min	(2625 ft/min)
Minimum Slit Width	25mm and upwards	(1" and upwards)

Various slitting configurations available

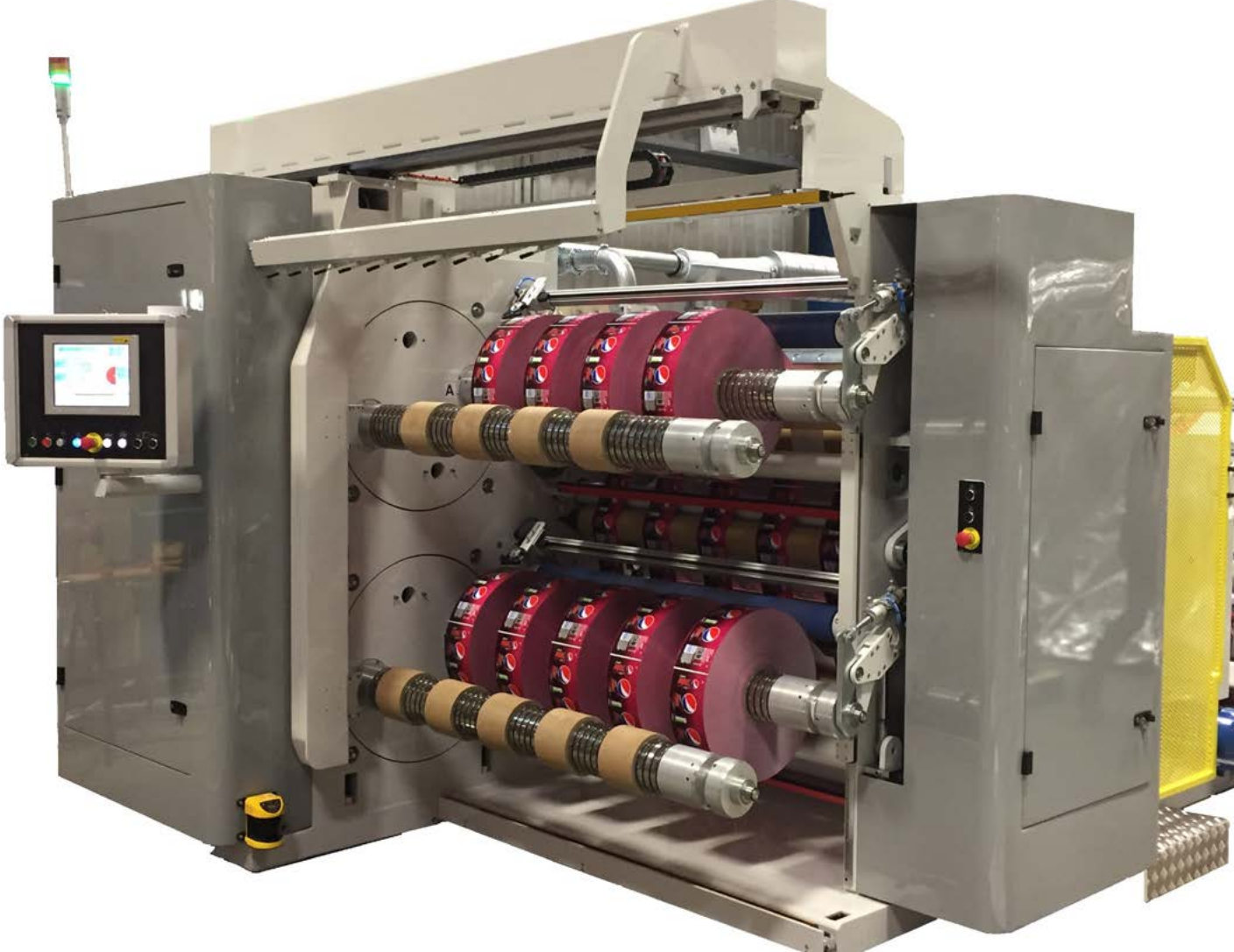
Able to handle a wide range of Films, Laminates, Foils, Non-wovens and Paper. Full shaftless unwind with electric reel lift

Key Features

- Maximum speed 800m/min (2625ft/min) for optimum productivity.
- Easy to assemble and maintain, with built in electrical panel, pneumatics, operator panel and remote diagnostic capabilities.
- Automatic web cut off saves on downtime.
- Vacuum pull roller for perfect tension isolation which avoids slips or scratches even on sensitive materials.
- All electrical operation makes it the hygienic choice.
- Core positioning for fast, accurate, easy set up even while machine is running.
- Automatic offload pushes finished rolls onto unloading device to save time.
- Unique turret support ensures minimum shaft deflection.
- Intuitive touch screen with job memory storage.
- ASHE digital edge guider.
- ASHE patented differential winding shafts.
- Guarding around the unwind to meet CE standards.
- Unloading stands available.
- Optional extras include laser core alignment, digital knife positioning, automatic knife positioning, driven unwind, splice table, static eliminators and various options for offloading and moving the finished reels.
- Option for energy efficient trim winders available.



DUPLEX TURRET SLITTER REWINDERS



Diamond Series

Peak productivity to suit every budget

The Diamond model has been designed to be a compact, cost effective solution whilst keeping production requirements in mind. The machine has been based on our renowned Sapphire ranges of machines, and therefore has the flexibility to be able to slit and rewind most products at high speeds.

The machines are available in various configurations and all options within ASHE's range are available to add onto the machine. The machine uses the ASHE vacuum roller technology and is hydraulic free, making it a total clean operation.

The machine is supplied as a 'one piece' configuration, therefore making shipping and installation easy.



Key Features

- Maximum speed of 500m/min (1640ft/min) for greater productivity.
- Vacuum pull roller for perfect tension isolation which avoids slippage or scratches even in sensitive materials.
- All electrical operation makes it the hygienic choice.
- Integral unwind with an electrical reel lift.
- Cantilevered when unloading for ease of use.
- Small footprint so you can maximise your space.
- Handles multiple widths of paper, film, aluminium, foil, laminates and more.
- Intuitive touch screen with job memory storage.
- ASHE digital edge guider.
- 2 or 3 motor drive system.
- Unloading stands available.
- Optional extras including laser core alignment, digital knife positioning, automatic knife positioning, driven unwind, splice table, static eliminators and various options for offloading and moving the finished reels.
- Option for energy efficient trim winders available.
- Machine can be made modular to allow for a separate unwind and integration of ancillary equipment



Specifications

Machine Width	1000mm to 1800mm	(40" to 72")
Maximum Unwind Diameter	1000mm	(40")
Maximum Rewind Diameter	600mm	(24")
Maximum Machine Speed	500m/min	(1640ft/min)
Minimum Slit Width	25mm and upwards	(1" and upwards)

Various slitting configurations available. Able to handle a wide range of Films, Laminates, Foils, Non-Wovens and Paper
Full shaftless unwind with electric reel lift

DUPLEX SLITTER REWINDERS



DUPLEX TURRET SLITTER REWINDERS

Diamond T Series

Peak productivity to suit every budget

The Diamond model of slitter rewinder is also available as a duplex turret machine. The machine is a one piece configuration to allow for ease of installation and can also be supplied with a separated unwind to allow for integration of ancillary units, such as perforating and punching machines.

The machine utilises our unique shaft support system where the rewind shafts remain fully supported through the turreting cycle with a maximum rewinding diameter of 600mm (24"). With a low cycle time and a maximum speed of 500mpm the machine will provide you high performance whilst giving you a quick return on your investment.

The machine is suitable for most flexible substrates and thicknesses.

Key Features

- Full integral shaftless unwind stand with unwind electric roll lift included as standard
- ASHE edge guider for edge and line tracking
- Easy use controls with job memory storage
- Duplex turreting rewind design with low cycle time
- Fully supported rewind shafts through turret cycle
- Vacuum pull roller for tension isolation
- Automatic web cross cutting system
- Auto rewind roll push off system
- Laser alignment systems available
- Machine can be made modular to allow for a separate unwind and integration of ancillary equipment



Specifications

Machine Width	1350mm to 1650mm	(53" to 65")
Maximum Unwind Diameter	1000mm	(40")
Maximum Rewind Diameter	600mm	(24")
Maximum Machine Speed	500m/min	(1640ft/min)
Minimum Slit Width	25mm and upwards	(1" and upwards)

Razor and rotary shear slitting available.

Onyx Series

Performance, affordable machines for perfect reels, every time

When space is at a premium, the Onyx is a one-piece machine with unwind, all electric operation, electronics and pneumatics all integral. Making installation quick and easy and the hygienic choice. Low cost and easy to use, its ideal for start-up companies or those working to a tight budget.

Key Features

- Maximum speed of 400m/min (1310ft/min) for maximum productivity.
- Precision cutting down to 25mm (1").
- Shaftless unwind handles diameters up to 1000mm (40").
- Layon control and web guiding as standard to ensure perfectly finished reels.
- State of the art AC digital flux vectors drives.
- Full diagnostics.
- Unique ASHE differential shafts fitted as standard.
- Fully cantilevered but supported in the running position.
- Easy to use dovetail mount knives.
- Simple to operate full colour touch screen.
- ASHE digital edge guider.
- Optional extras including laser core alignment, static eliminators and various options for offloading and moving the finished reels.
- Option for energy efficient trim winders available.
- Integral unwind for small footprint, cantilevered when unloading for ease of use.



Specifications

Machine Width	1350mm or 1650mm	(54" or 65")
Maximum Unwind Diameter	1000mm	(40")
Maximum Rewind Diameter	600mm	(24")
Maximum Machine Speed	400m/min	(1310ft/min)
Minimum Slit Width	25mm and upwards	(1" and upwards)

Various slitting configurations available. Able to handle a wide range of Films, Laminates, Foils, Non-Wovens and Paper Full shaftless unwind.

Solitaire Series

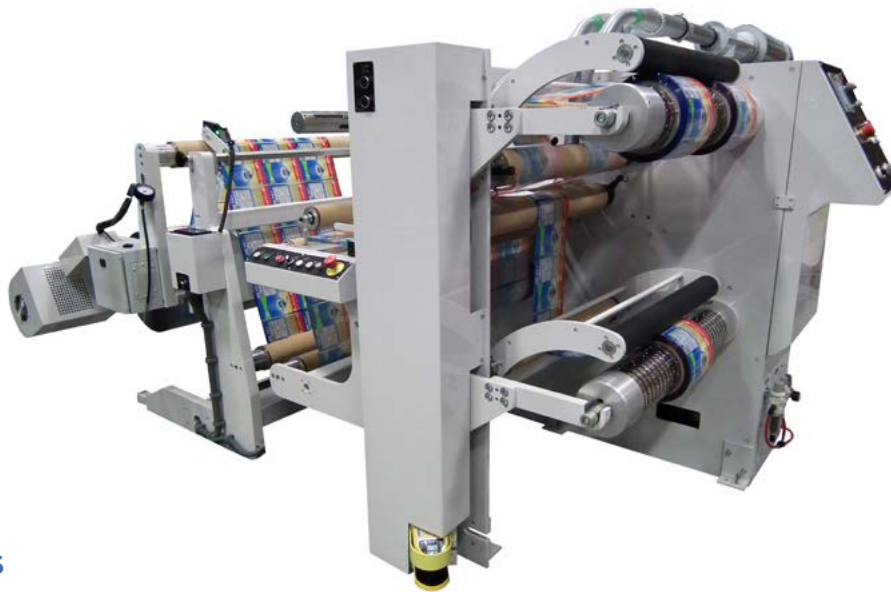
Big performer with a tiny footprint

As the sophistication in the narrow web industry expands, so should the ability to slit and rewind narrow web, particularly with the range of materials that a narrow web converter now uses. For this reason, the Solitaire series was developed some time ago. The machine is able to handle a wide range of products, from films through to papers, laminates and aluminium foils.

The technology on the machine has been taken from the Sapphire series, such as tension isolation through vacuum roller and fully automatic diameter control. Features to minimise downtime, such as laser core positioning are now available on the machine, and for this reason is the perfect choice for the narrow web printer who converts a wide range of materials.

Key Features

- Maximum speed 500m/min (1640ft/min) for optimum productivity.
- Perfect tension isolation and superior winding avoids slips and scratches.
- All electrical operation makes it the hygienic choice.
- Core alignment system for quick, easy set up and use.
- Intuitive touch screen with job memory storage.
- ASHE digital edge guider.
- 2 or 3 motor drive system.
- ASHE patented differential winding shafts or chucks.
- Guarding around unwind to meet CE standards.
- Optional extras including laser core alignment, digital knife positioning, automatic knife positioning, driven unwind, splice table, static eliminators and various options for offloading and moving the finished reels.
- Also available with integral unwind



Specifications

Machine Width	400mm to 1000mm	(16" to 40")
Maximum Unwind Diameter	1000mm	(40")
Maximum Rewind Diameter	600mm or 800mm	(24" to 32")
Maximum Machine Speed	500m/min	(1640ft/min)
Minimum Slit Width	25mm and upwards	(1" and upwards)

Various slitting configurations available.

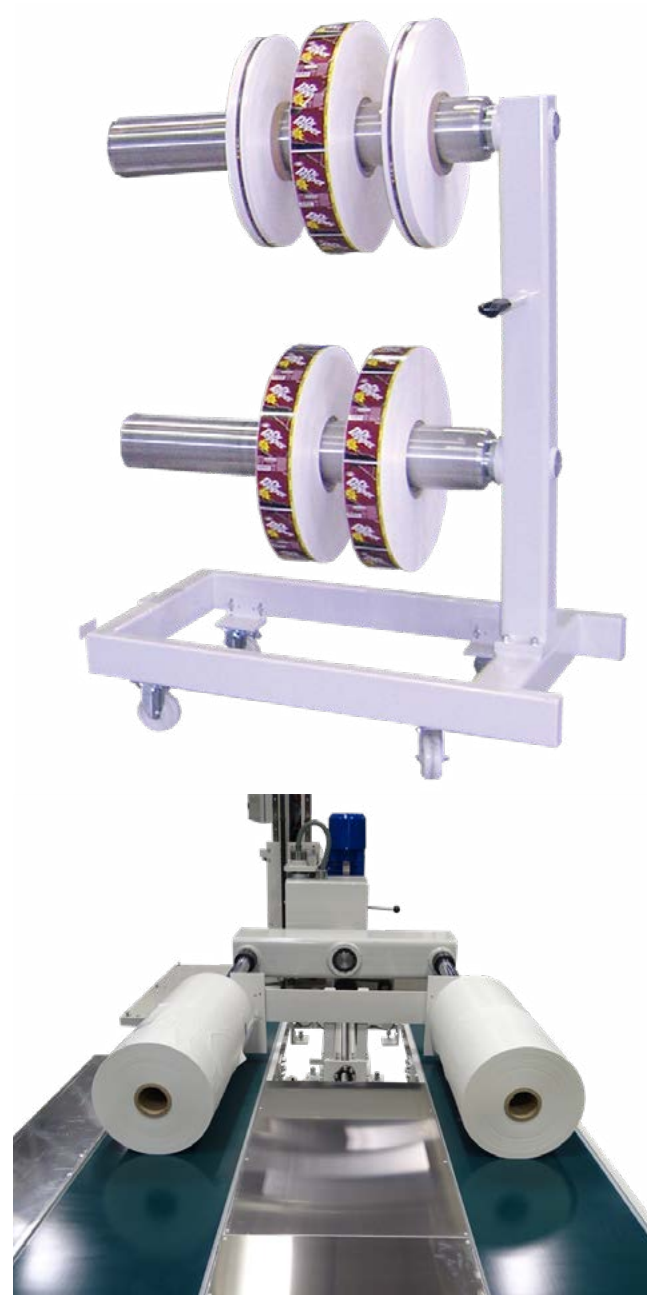
Able to handle a wide range of Films, Laminates, Foils, Non-Wovens and Paper

Unloading Options

Performance, affordable machines for perfect reels, every time

Ashe are able to offer a wide variety of solutions for taking the finished rolls from the slitter rewriter and onto the next process. Solutions from a simple manual unload trolley, to full conveyer systems with automatic weighing, labelling and palletising are all available from the ASHE range.

We are also able to provide roll history data and can integrate into any of our customers' ERP systems.



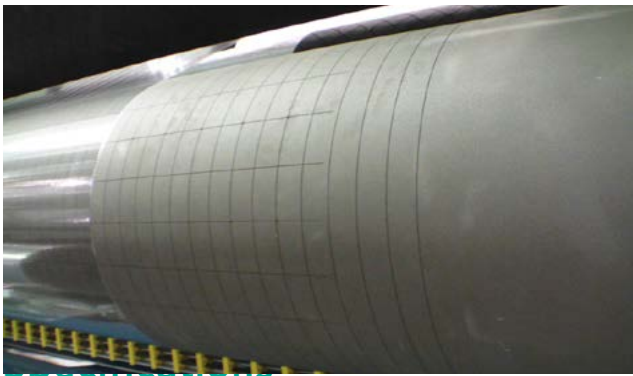
Jade Series

Innovative technology for the finest roll quality available

The design of the Jade series is to improve the winding quality of all films at high speeds, and to add greater flexibility on machine setup. Based on a new winding principle, the rewind stations are able to move independently on the same rewind beam, allowing our end user to wind with different core sizes on the same rewind beam. The rewind stations also move linearly away from the contact roller as the rewind diameter increases, which allows excellent finished roll profiles, both in tension and edge quality.

Tension isolation is through our vacuum roller. Our vacuum roller technology is proven to give superior tension isolation without scratching or marking the most delicate of films, and is totally maintenance free.

The jade series is a total electric operation, no hydraulics are used throughout the machine, making it a total clean operation.



Key Features

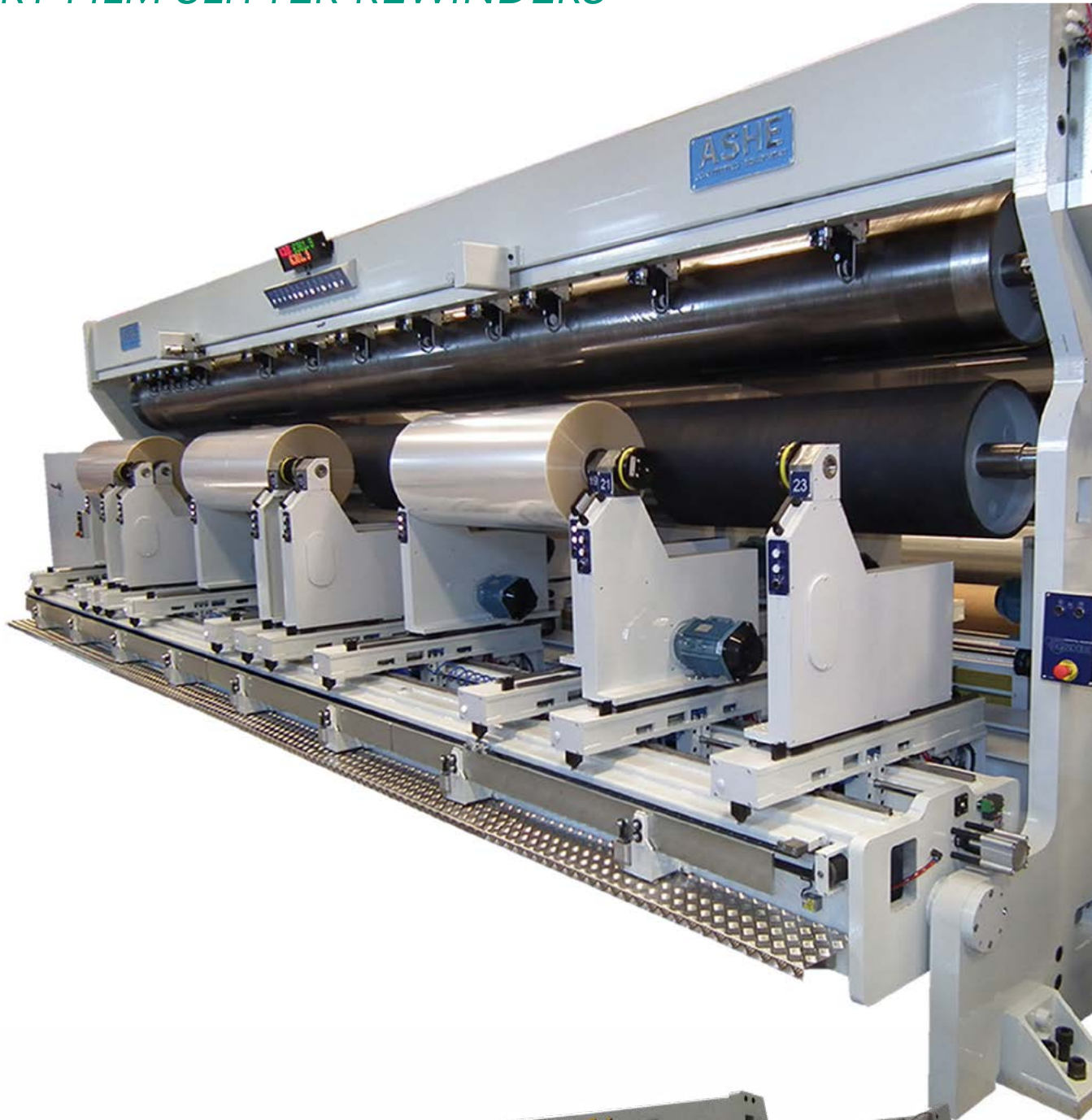
- Maximum speed 1200m/min (3940ft/min) for optimum productivity.
- Perfect tension isolation through vacuum roller, also eliminating creasing, wrinkling and scratching even on the most sensitive materials such as optical films.
- All electrical operation makes it the hygienic choice.
- Easy to install and maintain.
- State of the art AC digital vector drives mounted locally to save space.
- Minimise downtime using one common layon roller.
- Optional automatic knife and arm positioning available.
- Coreless trim winders



Machine Width	3500mm to 8700mm	(138" to 343")
Unwind Diameter Range	1000mm to 2000mm	(40" to 80")
Rewind Core Sizes From	76mm and Upwards	(3" and Upwards)
Maximum Rewind Diameter	Up to 1200mm	(Up to 48")
Maximum Machine Speed	Up to 1200m/min	(Up to 3940ft/min)
Minimum Slit Width	250mm	(10")

Various slitting configurations available
Able to handle all filmic substrates

PRIMARY FILM SLITTER REWINDERS



SECONDARY FILM SLITTER REWINDERS

Jade Series

Superior winding quality even at high speed

Like the primary slitting machine, the Jade Secondary Slitter Rewinder utilises a linear winding principle, tracking back from a single contact roller per rewind beam. This winding technology is proven for winding different types of plain, metallised and coated films.

The machine is available in many different configurations for unwind types, slitting systems and rewind configurations.

Once again, the Jade Secondary Slitter Rewinder is an all-electric operation. The loading of the parent roll and unloading of the finished rolls is all executed electrically, eliminating the need for hydraulic systems on the machine. Tension isolation is done through our vacuum roller system, which is proven to give superior isolation without damaging sensitive films.

Ever since the machines original design, all drives have been mounted locally on the machine.



Key Features

- Maximum speed 1200m/min (3940ft/min) available for optimum productivity.
- Perfect tension isolation eliminates creasing and wrinkling even on the most sensitive materials.
- All electrical operation makes it the hygienic choice.
- Easy to install and maintain.
- State of the art AC digital vector drives mounted locally to save space.
- Minimise downtime using one common layon roller.
- Optional automatic knife and arm positioning available.
- Parking areas available.
- Driven rollers throughout the machine.
- Servo driven rewind stations.



Specifications

Machine Width	1600mm to 3500mm	(63" to 138")
Unwind Diameter Range	1000mm to 2000mm	(40" to 80")
Rewind Core Sizes From	76mm and Upwards	(3" and Upwards)
Maximum Rewind Diameter	Up to 1200mm	(Up to 48")
Maximum Machine Speed	Up to 1200m/min	(Up to 3940ft/min)
Minimum Slit Width	250mm	(10")

Various slitting configurations available

Able to handle a wide range of plain, metallised and coated films

SECONDARY FILM SLITTER REWINDERS



Jade Series

Superior winding quality even at high speed

Our Lablestock/Paper slitter Rewinder is based on our Jade series of slitting machines. With centre surface capabilities the machine is able to wind with individual rewind stations, a full width differential rewind shaft, or with an airshaft. The shaftless or shafted rewinding system both utilise a linear tracking system away from the contract roller to give a perfect finished roll, in profile and tension.

As with all ASHE machines, our vacuum roller is utilised on the machine to give perfect tension isolation and does not scratch or deform the most sensitive of labelstocks and papers.

A range of options, such as automatic unloading systems are available on the machine with online roll wrapping and weighing. Other options such as knife positioning systems, web cleaners etc, are all available on the machine.

We are also able to produce a range of two drum surface winders, for paper mills and paper converters. We are able to produce such machines with rewind diameters of up to 1800mm (70").

Key Features

- All electric systems offered – no hydraulics.
- Vacuum roller for tension isolation.
- Unique linear tracking system.
- Shaftless rewind stations
- Shafted rewind stations with differential rewinding and patented shaft support system.
- Range of offloading options.

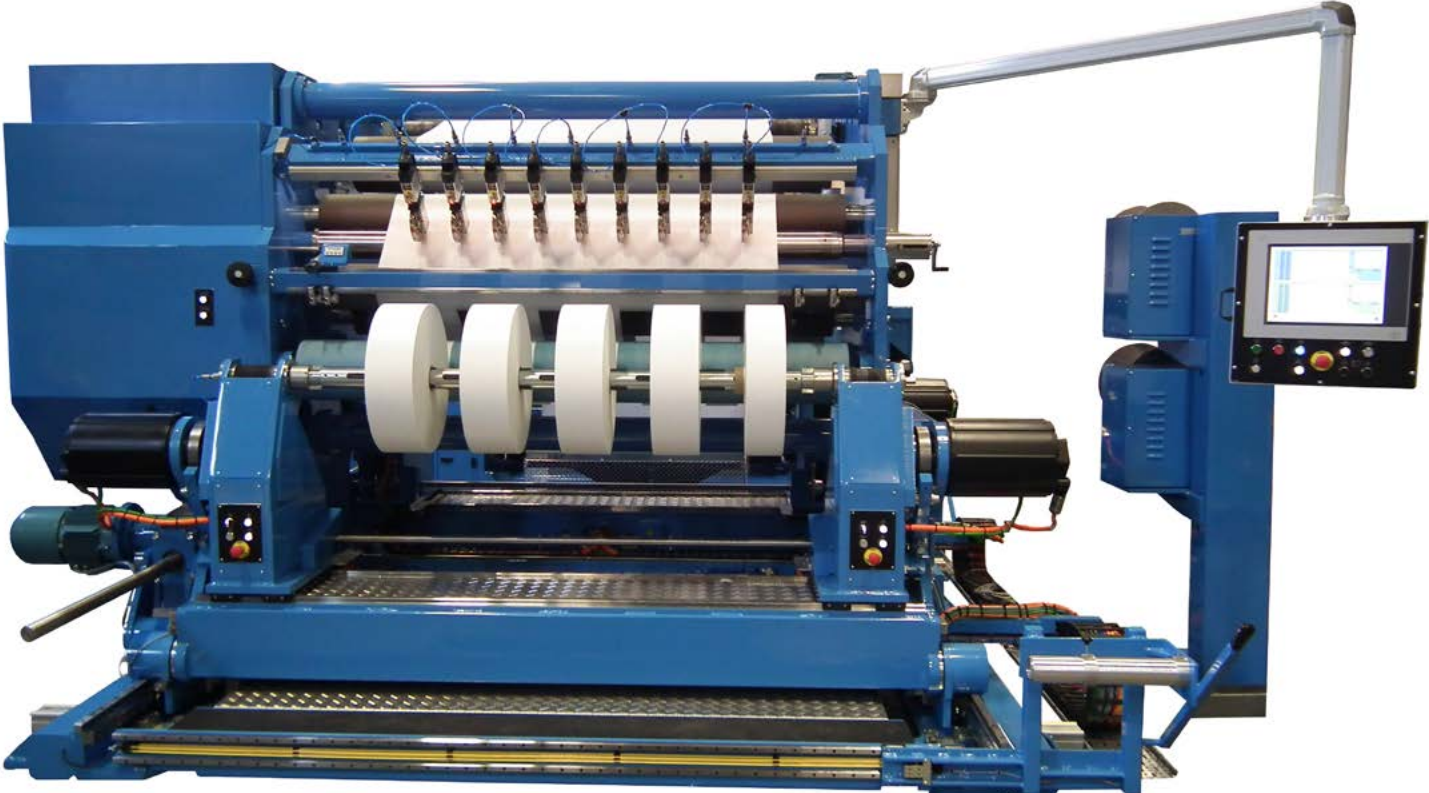
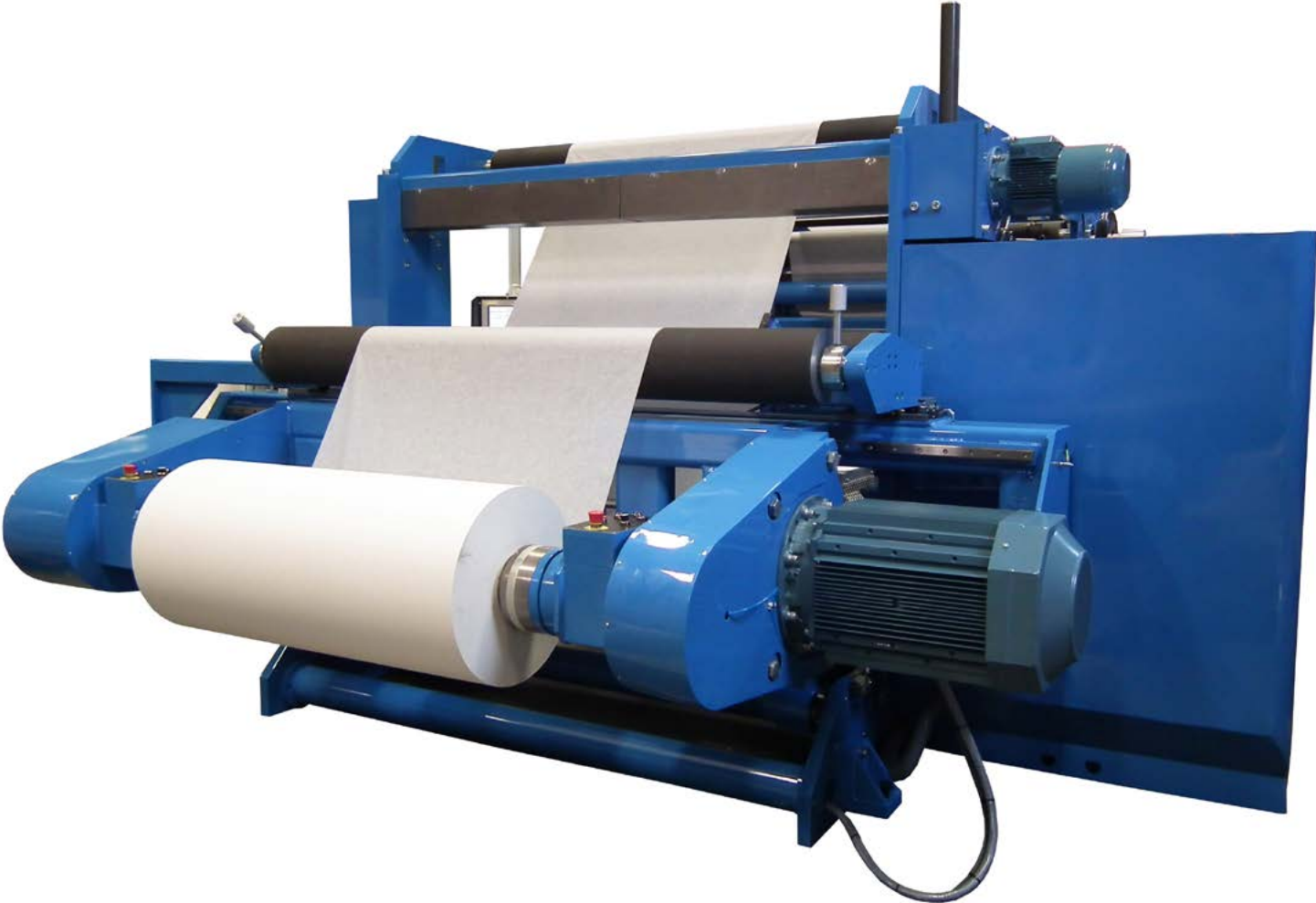


Specifications

Machine Width	Up to 3000mm	(Up to 120")
Rewind Diameter Range	1000mm to 2000mm	(Up to 60")
Maximum Machine Speed:	Up to 800m/min	(Up to 2625ft/min)
Minimum Slit Width:	50mm	(2")

Various slitting configurations available
Able to handle a wide range of plain, metallised and coated films

LABELSTOCK / PAPER SLITTER REWINDERS



Emerald Series

Less waste saves money and boosts output

Waste is an important issue at present, with most companies trying to minimise waste to ensure maximum profitability. Being 'environmentally friendly' also needs to be considered with most countries keeping a close eye on waste that goes to landfill. For this reason, the Emerald series of rewinding machines is a must for most companies.

The Emerald series has been designed to minimise waste by transforming a badly wound roll, be it by tensions or roll profile, into a perfect grade A roll. With the Emerald, the operator is able to correct tensions, correct edge profiles, and splice end rolls to make larger finished rolls and also inspect.

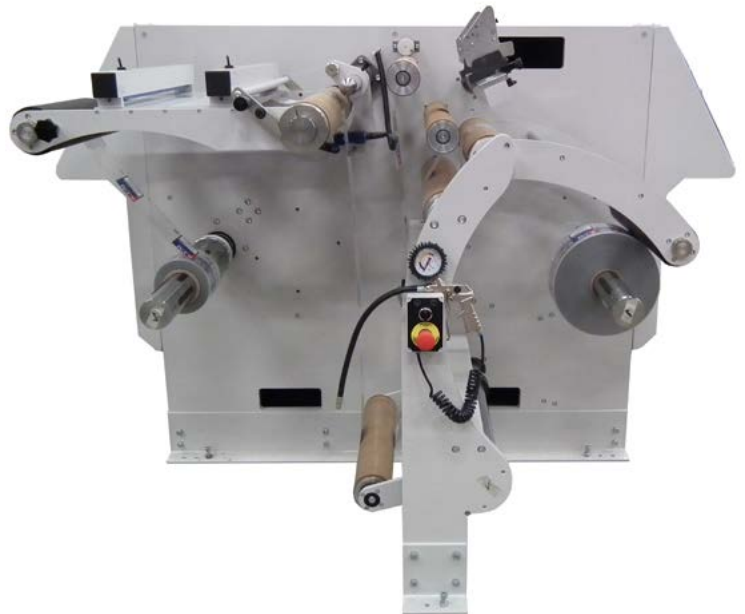
The Emerald series can also be linked to the Inspection Systems where faults can be logged and taken out to ensure you are delivering a fault free roll.

The machine is available in single direction or fully reversible along with tension control through Dancer rollers.



Key Features

- Maximum speed of up to 800m/min (2625ft/min) for greater productivity.
- Perfect tension control via pneumatic dancer avoids slippage or scratches in delicate materials.
- Fully reversible without stopping to minimise downtime.
- All electrical operation makes it the hygienic choice.
- Layon control.
- Full cantilevered available (depending on width).
- Slitting options available for edge trimming and a centre slit.
- Various inspection systems available ranging from back light to full 100% camera inspection.



Specifications

Machine Width	300mm to 2500mm	(12" and 99")
Maximum Unwind Diameter	Up to 1500mm	(Up to 60")
Maximum Rewind Diameter	Up to 1500mm	(Up to 60")
Maximum Machine Speed	Up to 800m/min	(Up to 2625ft/min)

Various slitting configurations available. Able to handle a wide range of Films, Laminates, Foils, Non-Wovens and Paper
Various core sizes available.

REWINDING / DOCTORING MACHINES



MACHINES FOR SPECIAL APPLICATIONS

Tailored Solutions

Custom built to meet your every need

Our team of expert mechanical and software engineers can develop a wide range of machines to meet your exact requirements.

Previously, we've made inline turret winders with widths of 4m (157") and rewinding diameters of up to 1.5m (60"). These units come with a fully automatic cut and transfer at speed or accumulator, and enjoy fully automatic tension control. They're also equipped with a range of winding, offloading options and slitting capabilities.

You'll find we've also manufactured machines for a range of special applications, such as copper foil, which require particularly heavy duty machines.

When other machines just won't cut it, you need one that's tailor made. Contact us today to find out more.



MACHINES FOR SPECIAL APPLICATIONS





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