CONVERTING
MADE EASY

Grafisk Maskinfabrik

GM

Grafisk Maskinfabrik, commonly known as GM, has provided converting solutions for the label industry for four decades. GM is a family-owned company, building on the traditional values of Danish design and solid craftsmanship with a backbone of 40 years of experience in providing solutions for customers in the label industry worldwide. The company is firmly grounded by knowledge and insight of the graphic business and continuously works towards the goal of "Making Converting Easy".

Even though GM is a global player on the labelling market with agents worldwide and offices in Denmark, Italy, US and Chile, all machines are developed, designed, produced and assembled in the small town of Birkerød just outside Copenhagen. The core product and flagship of the company is the DC330, a converting line that comes in three sizes with a vast number of options and can run either inline or offline with your press of choice.

INDEX

Through 40 years in the graphic industry, GM has gained a solid experience in finishing. We were first in the market to show new innovative solutions like inline finishing, ultra-compact finishing and finishing for new markets like flexible printed solar-cells. 40 years ago, GM's humble beginnings were based on traditional blueprints - today our entire range of machines is designed in full 3D using Solid Works CAD software. To achieve maximum performance, we simulate complex processes such as high-precision hot stamping using the latest in computer software. This combination of experience and innovative technology makes GM your unique

innovative partner in the world of finishing. In this brochure, you will find some of our latest designs. Our standard products cover 2/3 of the production range. The remaining 1/3 is custom work. If you can dream up a machine that no one has ever made - think GM, and please do contact us for an open talk on how your ideas could come to life using our equipment.

Best regards
Uffe Nielsen, CEO
GM
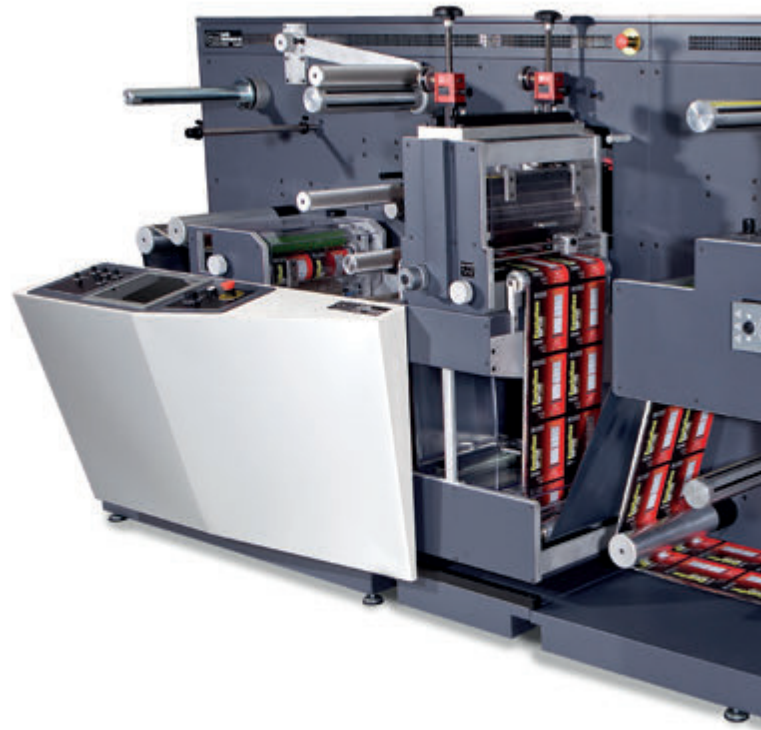
DC330

Semi-rotary label finishing
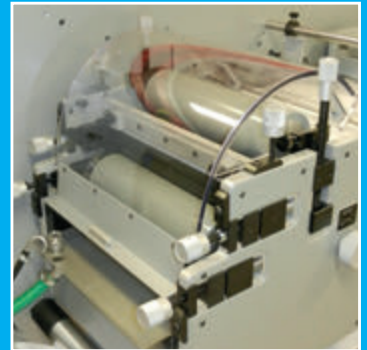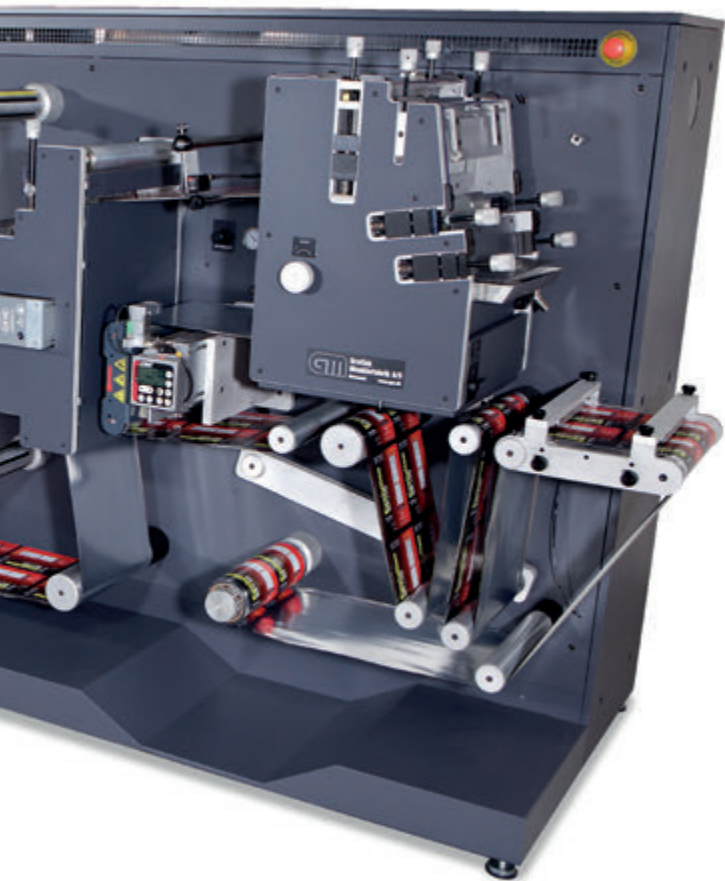

Automatic knife box.
Set all knifes in less
than 60 seconds.

Flexo varnish for
float, spot
and cold foil.

GM's DC series has been in the market for the past 15 years. All DC's are prepared for both offline and inline operation with a digital press. The inline interface includes remote start, stop and pause of the digital press from the DC's touch screen. The lines come with a number of

Laser die cut option.
Die-less operation.
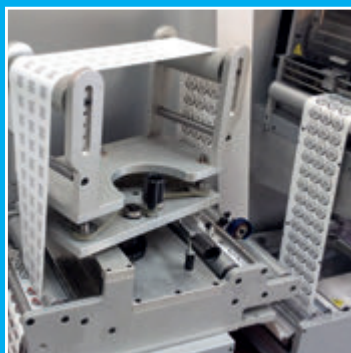
Multi-layer option for multi page and Peel and Reveal labels.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	50mm - 330mm	2" - 13"
Substrate	50gsm - 200gsm	
DIE STATION		
Semi-rotary speed	50m/min	150 ft/min
Full-rotary speed	72m/min	236 ft/min
Die plate size (repeat)	50mm - 558.8mm	2" - 22"
REWINDER/UNWINDERS		
Max. Internal unwind	Ø700mm	27.6"
Max. Single or dual shaft rewind	Ø500mm	19.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
LASER DIE		
Power	100W, 250W or 400W	
Laser type	Single head pulsed CO_2	
Laser spot size	350µm	
FLEXO STATION		
Cylinder size	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12.7mm	0.5"
Minimum distance shear	10mm	0.4"

Power / Air	3x400V+N+PE, 32A / 5bar
Size (WxDxH)	4.0m x 1.3m x 1.7m
Exhaust	Ø100mm, 800m³/h. Outside.

options; laser die cutting, hot and cold stamping, screen printing, automatic knife box, 100% inspection, web-to-sheet mode (conveyers) and more. As standard, the machine operates in blank label mode, full rotary mode, semi-rotary mode and re-register mode for digital finishing.

DC330 HYBRID

Hybrid laser and semi-rotary finishing

Barcode reader - scan die cutting file.

Online internet support.

The **DC330HYBRID** is the perfect solution for digitally printed webs. Simply download the file from the pre-press department and the laser module is ready. It fits an optional barcode reader for faster re-load of existing jobs. The laser module is an independent module that can be retrofitted into any *DC330*.

User friendly Windows software for job design.

Built-in conventional semi-rotary die cut for full substrate compatibility.

The laser power ranges from 200 to 400W (200-1000W peak). The standard **DC330HYBRID** configuration has flexo varnish, lamination, slitting and dual rewinding built in. The **DC330HYBRID** can be combined with GM's automatic knife system for digital production.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	50mm - 330 mm	2" - 13"
Substrate	50gsm - 200gsm	
DIE STATION		
Semi-rotary speed	50m/min	164ft/min
Full-rotary speed	72m/min	236ft/min
Die plate size (repeat)	50mm - 558.8mm	2" - 22"
REWINDER/UNWINDERS		
Max. internal unwind	Ø700mm	27.6"
Max. single or dual shaft rewind	Ø500mm	19.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
LASER DIE		
Power	100W, 250W or 400W	
Laser type	Single head pulsed CO_2	
Laser spot size	350µm	
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12.7mm	0.5"
Minimum distance shear	10mm	0.4"

Power / Air	3x400V+N+PE, 32A / 5bar	
Size (WxDxH)	4.0m x 1.3m x 1.7m	
Exhaust	Ø100mm, 800m³/h. Outside.	
Exhaust LASER	Ø160mm, 800m³/h. Outside.	

LC330

Compact laser finishing

Barcode reader for easy job re-load.

High precision German mirror system.

The **LC330** is a compact, economic and fully digital laser finishing machine. Simply download the file from the pre-press department and the laser module is ready. The system can be fitted with an optional barcode reader for faster re-load of existing jobs. The laser power ranges

Easy to use Windows software.

Online support for job set-up and trouble shooting.

from 100-400 Watt (400-1000 Watt peak). It is possible to cut with different power levels on the same label. The standard **LC330** has laser die, slitting and dual rewind. The unit is prepared for flexo varnish, spot varnish, lamination, cold foil and automatic knife box.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	50mm - 330mm	2" - 13"
Substrate	50gsm - 200gsm	
Speed	Up to 72m/min (236ft-min) - depending on laser power/cut pattern	
REWINDER/UNWINDERS		
Max. internal unwind	Ø700mm	27.6"
Max. single or dual shaft rewind	Ø450mm	17.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
LASER DIE		
Power	100W, 250W or 400W	
Laser type	Single head pulsed CO_2	
Laser spot size	350µm	
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12.7mm	0.5"
Minimum distance shear	10mm	0.4"

Power / Air	3x400V+N+PE, 32A / 5bar	
Size (WxDxH)	3.3m x 2.4m x 1.7m	
Exhaust UV	Ø100mm, 800m³/h. Outside.	
Exhaust LASER	Ø160mm, 800m³/h. Outside.	
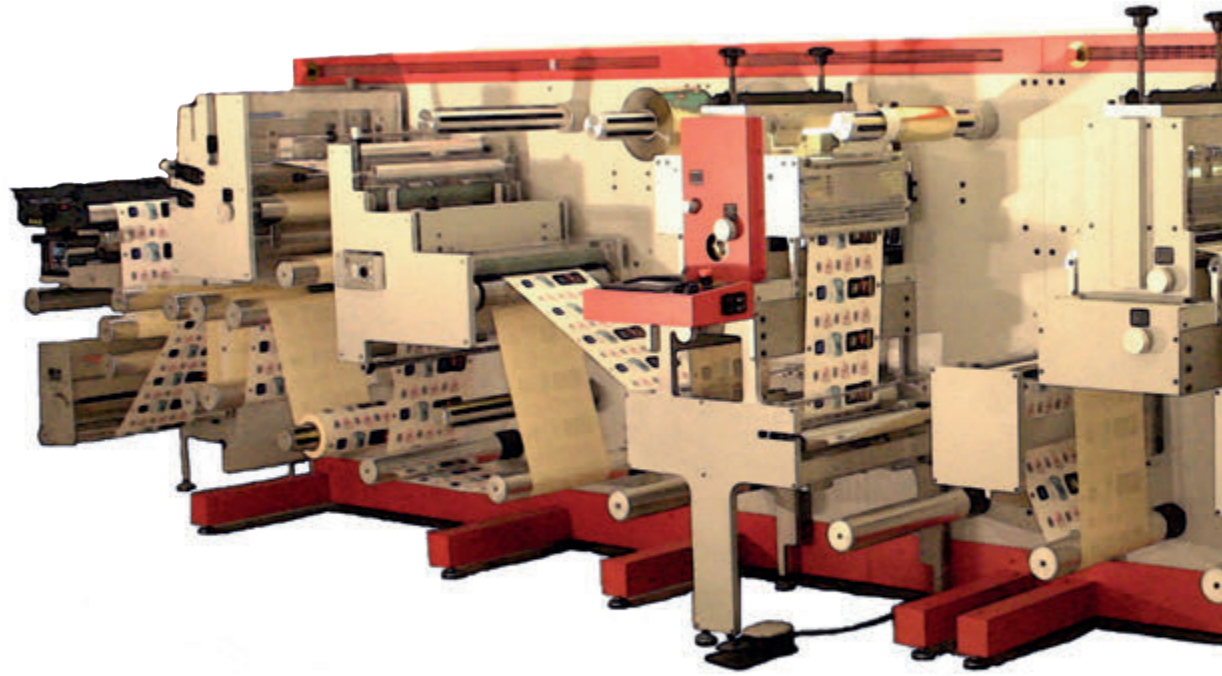
DC500

*Wide web
semi-rotary
finishing*

Heavy die cutter: Heavy
semi-rotary die cutter for
330 and 500 mm web.

Inline module: Buffer
module for inline non
stop production.

The **DC500** offers maximum flexibility
with fast and easy job changes between
330 mm and 500 mm web. The **DC500**
converting line has one distinct feature
that makes it special: It runs web widths
ranging from 515 mm down to 100 mm.
In addition to this, the modular set-up of
the **DC500** makes it easy to add sections
like e.g. the hot foil. So when investing
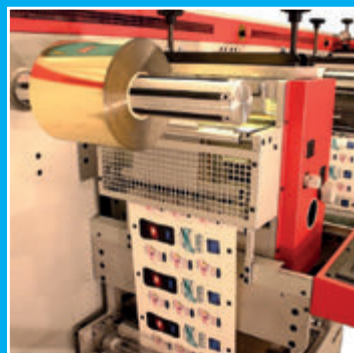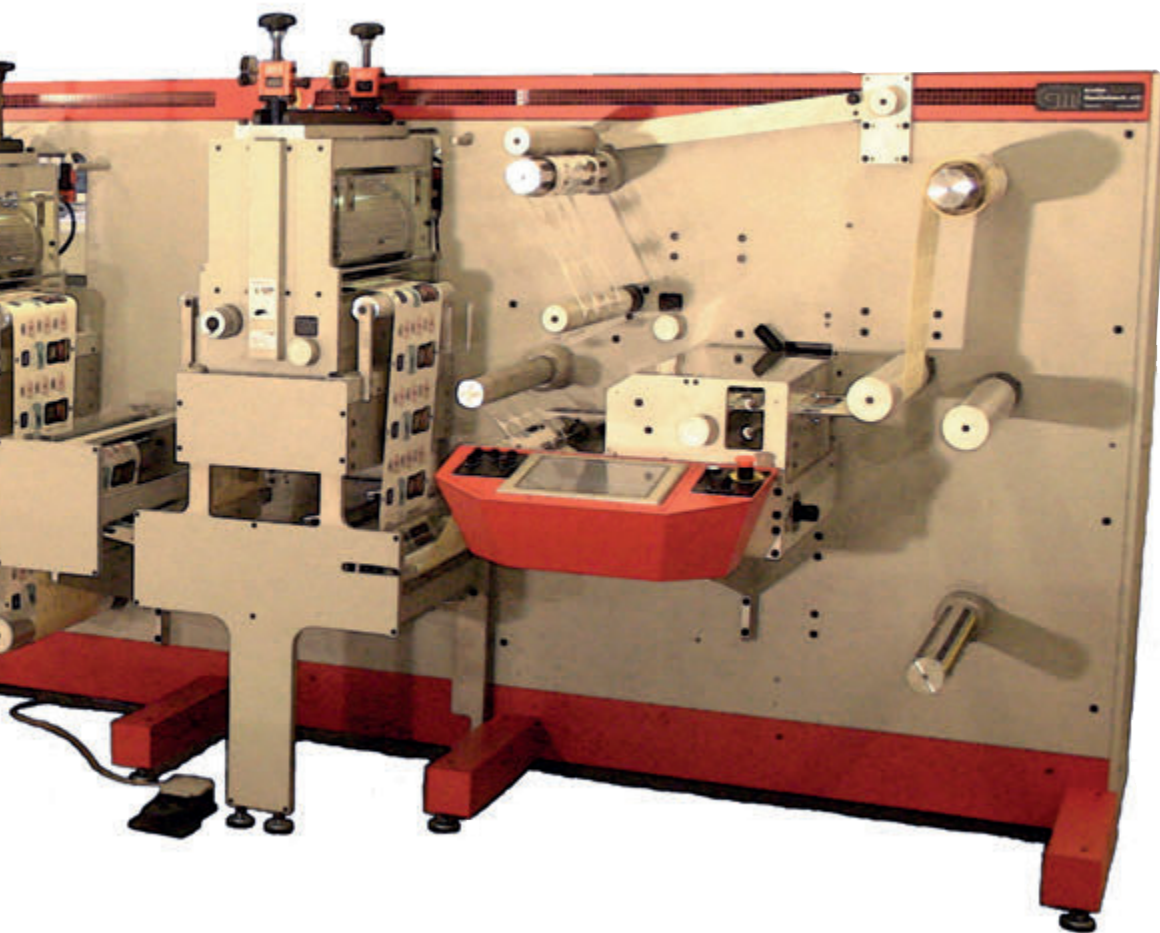
Hot foil and cold foil: Hot and cold foil support for spectacular labels.

Conveyer: Drop-in conveyer for sheet or free-shape production runs.

in a new line, instead of having to guess about future needs - just prepare for it with the **DC500.** As your print-jobs change, your finishing line should not have to. The **DC500** gives you huge flexibility on web sizes. The **DC500** is a long-term investment for your current and future needs.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	100mm - 500mm	4" - 20"
Substrate	50gsm - 200gsm	
DIE STATION		
Semi-rotary speed	40m/min	105ft/min
Full-rotary speed	72m/min	236ft/min
Die plate size (repeat)	50mm - 558.8mm	2" - 22"
REWINDER/UNWINDERS		
Max. Internal unwind	Ø600mm	27.6"
Max. Single or dual shaft rewind	Ø500mm	19.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12.7mm	0.5"
Minimum distance shear	10mm	0.4"

Power / Air	3x400V+N+PE, 63A / 5bar	
Size (WxDxH)	5.0m x 1.3m x 1.7m	
Exhaust	Ø100mm, 800m³/h. Outside.	
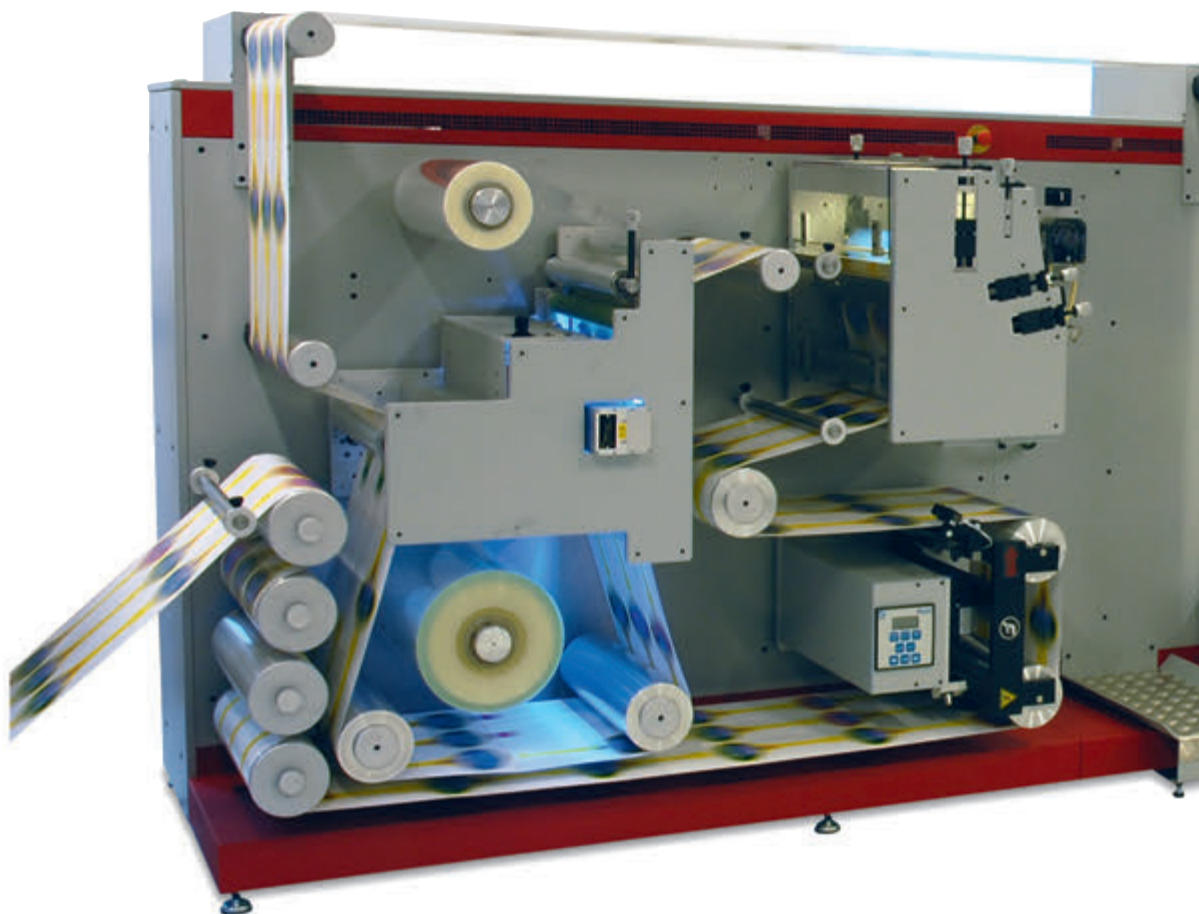
XP500

Cardboard finishing

The XP500 support dual-side varnish and lamination.

Buffer for inline non-stop operation.

The **XP500** line is designed to varnish (flood, UV and spot), laminate and sheet or die cut a 500 mm wide web on both sides in one process. It integrates with your digital press and forms a full production line for post cards, brochures and many other products. Your end product lands on a conveyer or can be
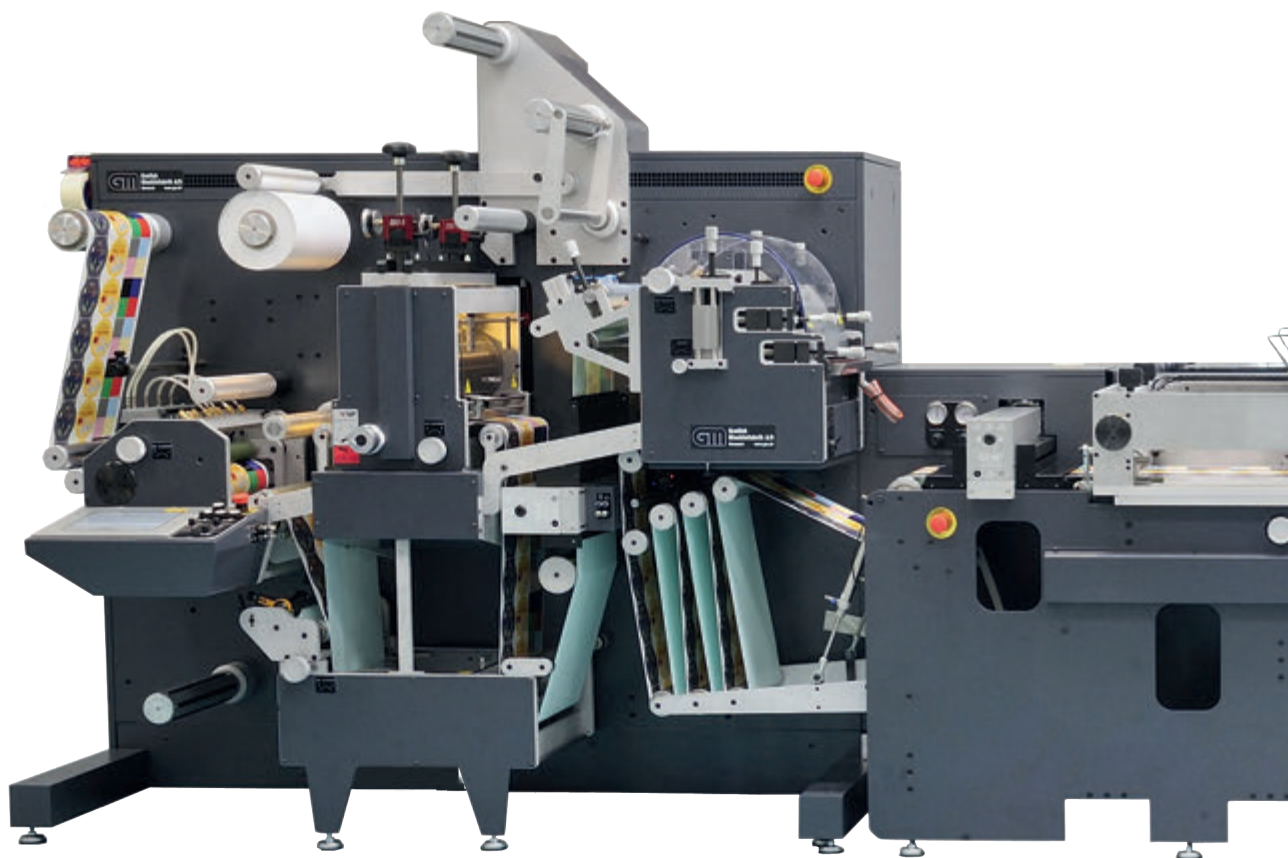
Spot varnish. UV- or water-based.

Conveyor for single-shaped delivery.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	100mm - 500mm	4" - 20"
Substrate	50gsm - 400gsm	
DIE STATION		
Speed	30m/min *opt 72m/min	98ft/min
Die plate size (repeat)	228.6mm - 711.2mm	9" - 28"
UNWINDERS		
Max. diameter	Ø1200mm	47.2"
Core diameter	76.2mm or 152.4mm	3" or 6"
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush	
Minimum distance crush	12.7mm	0.5"
Minimum distance shear	10mm	0.4"

Power / Air	3x400V+N+PE, 32A / 5 bar	
Size (WxDxH)	7.5m x 1.3m x 1.8m	
Exhaust	Ø100mm, 2x800m^3/h. Outside.	

packed in boxes at the end of the line. Designed for postcards, tags, pocket folders and flyers the flexible magnetic die cutter offers many possibilities. As standard the line comes with a sling stacking system but more advanced stacking systems as be added.

Optional laser die cut module.

DC330FB

Combination print finishing
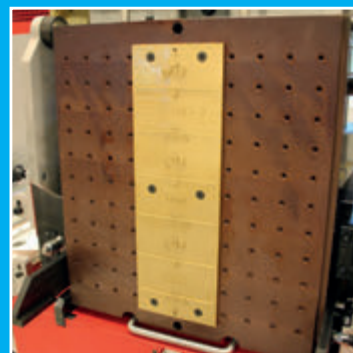

Detailed combination label with screen and hot foil.

Easy change system for hot state plate swap.

The powerful combination of semi-rotary die cutting, flatbed screen-printing and a 30 ton pressure heavy duty stamping and hot foil unit, makes even complex labels easy to run. The tooling cost is very low and most tools can be made locally or in-house. Existing tooling for older flatbed
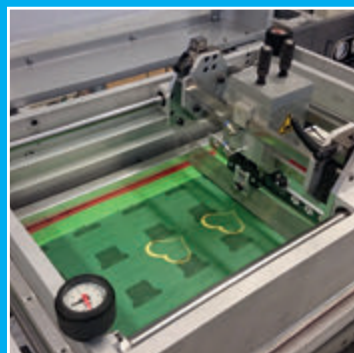
Flat bed screen unit with pneumatic frame lock.

Flexo unit for flood varnish or cold foil.

equipment can be reused. If you disable the flatbed units, the line cab produce normal industrial labels with flexo, lamination, cold foiling and semi-rotary die cutting at up to 45m/min.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	50mm - 330mm	2" - 13"
Substrate	50gsm - 200gsm	
FLATBED		
Stamp plate	330mm x 304.8mm	13" x 12"
Screen frame	660mm x 500mm	26" x 19.7"
Print area	350mm x 304.8mm	
DIE STATION		
Semi-rotary speed	45m/min	147ft/min
Full-rotary speed	72m/min	236ft/min
Die plate size (repeat)	50mm - 558.8mm	2" - 22"
REWINDER/UNWINDER		
Max. Internal unwind	Ø700mm	27.6"
Max. Single or dual shaft rewind	Ø450mm	17.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	

Power / Air	3x400V+N+PE, 63A / 5bar	
Size (WxDxH)	4.0m x 1.3m x 1.7m	
Exhaust	Ø160mm, 2x800m³/h. Outside.	

DC330MINI

Compact full feature converting
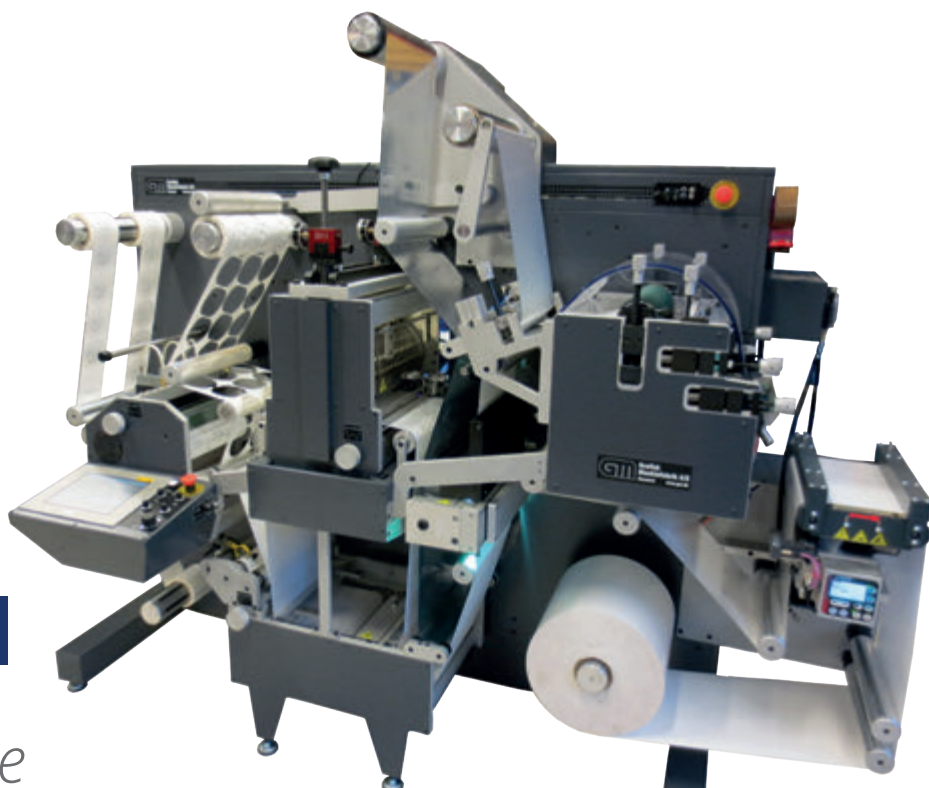
Provides UV flexo varnish, die cutting, slit and rewind on one single compact platform. The drive train in the **DC330** series of machines is completely servo driven offering low maintenance, stepless tension control and good registration. Minimum waste die dials in within one rotation. No station movement or mechanical setup needed and lastly graphical touch screen which shows the machine configuration, spindle directions and web-up.

Cold foil labels.

DC330MINI inline with digital press.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	50mm - 330mm	2" - 13"
Substrate	50gsm - 200gsm	
DIE STATION		
Semi-rotary speed	45m/min	147ft/min
Full-rotary speed	72m/min	236ft/min
Die plate size (repeat)	50mm - 558.8mm	2" - 22"
REWINDER/UNWINDER		
Max. Internal unwind	Ø700mm	27.6"
Max. Single or dual shaft rewind	Ø450mm	17.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12.7mm	0.5"
Minimum distance shear	10mm	0.4"

Power / Air	3x400V+N+PE, 32A / 5bar	
Size (WxDxH)	2.2m x 1.5m x 1.7m	
Exhaust	Ø100mm, 800m³/h. Outside.	

DC330NANO

Ultra compact converting

Ultra compact, cost effective unit for lamination, die-cutting and slitting. As digital label printing continues to grow, label-printing houses are realizing the need for all-inclusive digital printing systems that provide value-adding features for producing fully finished labels. The **DC-330NANO** offers the ideal solution. The **DC330NANO** offers unwind, self-adhesive lamination, semi-rotary die cutting and length slitting on a compact 1.3m x1.3m platform. The unit is ideal as converter for a small digital press or as a backup to an existing finishing line. The unit can run either offline or inline.


Knifebox with room for 10 fast set knives.
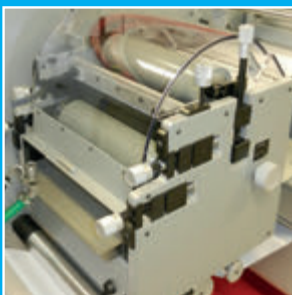

Webguide with splice table.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	50mm - 330mm	2" - 13"
Substrate	50gsm - 200gsm	
DIE STATION		
Semi-rotary speed	32m/min	105ft/min
Full-rotary speed	72m/min	236ft/min
Die plate size (repeat)	50mm - 558.8mm	2" - 22"
REWINDER/UNWINDER		
Max. Internal unwind	Ø500mm	19,7"
Max. Single or dual shaft rewind	Ø450mm	17.7"
Core diameter	76.2mm	3"
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12.7mm	0.5"

Power / Air	3x400V+N+PE, 16A / 5bar	
Size (WxDxH)	1.3m x 1.3m x 1.6m	

DC500MINI

Wide web compact converting
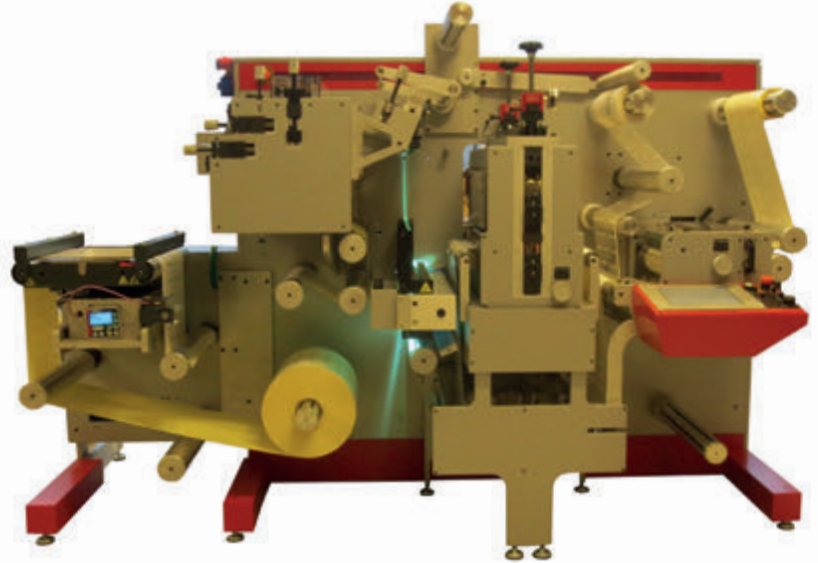
The **DC500MINI** offers a complete converting and finishing unit, this product was specially created for use with digital printing presses. The **DC500MINI** can be set up as an in-line extension to a digital label printing system, allowing the web to continue directly into the converter from the digital press. It can also be used as an off-line converting and finishing unit for jobs from other digital presses or conventional presses. It can even function as a printing press for specialized value-adding solutions.


Flexographic station with spot option.

Heavy duty semi-rotary die cutter.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	50mm - 500mm	2" - 20"
Substrate	50gsm - 200gsm	
DIE STATION		
Semi-rotary speed	40m/min	131ft/min
Full-rotary speed	72m/min	236ft/min
Die plate size (repeat)	50mm - 558.8mm	2" - 22"
REWINDER/UNWINDER		
Max. Internal unwind	Ø600mm	27.6"
Max. Single or dual shaft rewind	Ø450mm	17.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12.7mm	0.5"
Minimum distance shear	10mm	0.4"

Power / Air	3x400V+N+PE, 32A / 5bar
Size (WxDxH)	2.6m x 1.5m x 1.7m

HOTFB330

Flat bed hot foil and embossing
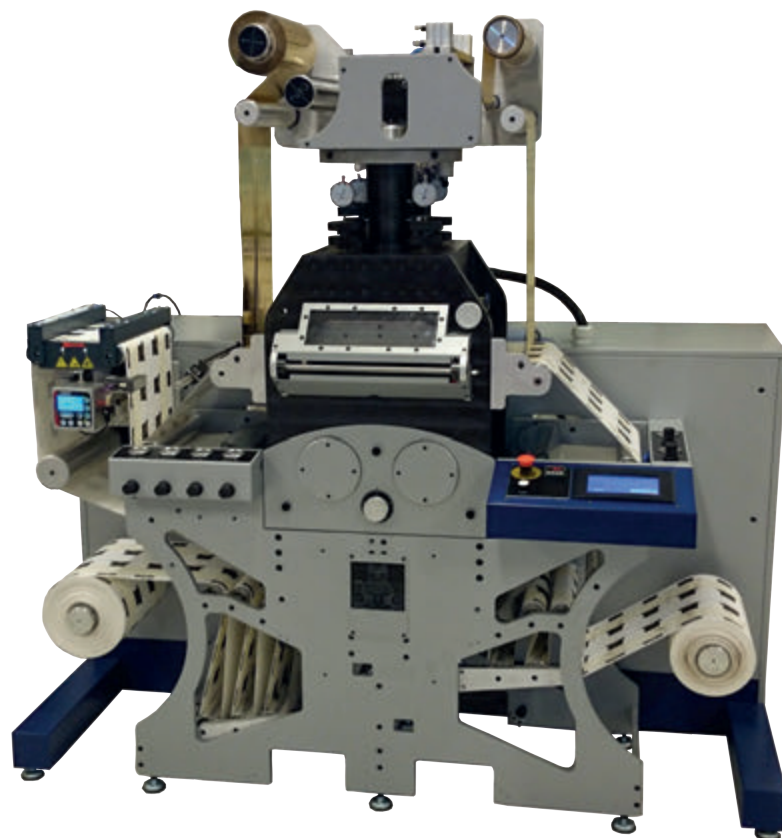
The HOTFB330 is a precision, 30 ton pressure heavy duty, stamping unit for production of high quality labels. The machine can do foil stamping, embossing or one pass foil and embossing. The best way to impress consumers is the right combination of quality and beauty, and this is exactly what this unit can bring to the table. The **HOTFB330** is an innovative unit that will add intricate details of gold, silver or even holograms to your labels. The HOTFB330 will do both hot foil and cold embossing, foil saver, servo-register and electronic temperature control, dual foil unwind, and BST web-guide are standard.
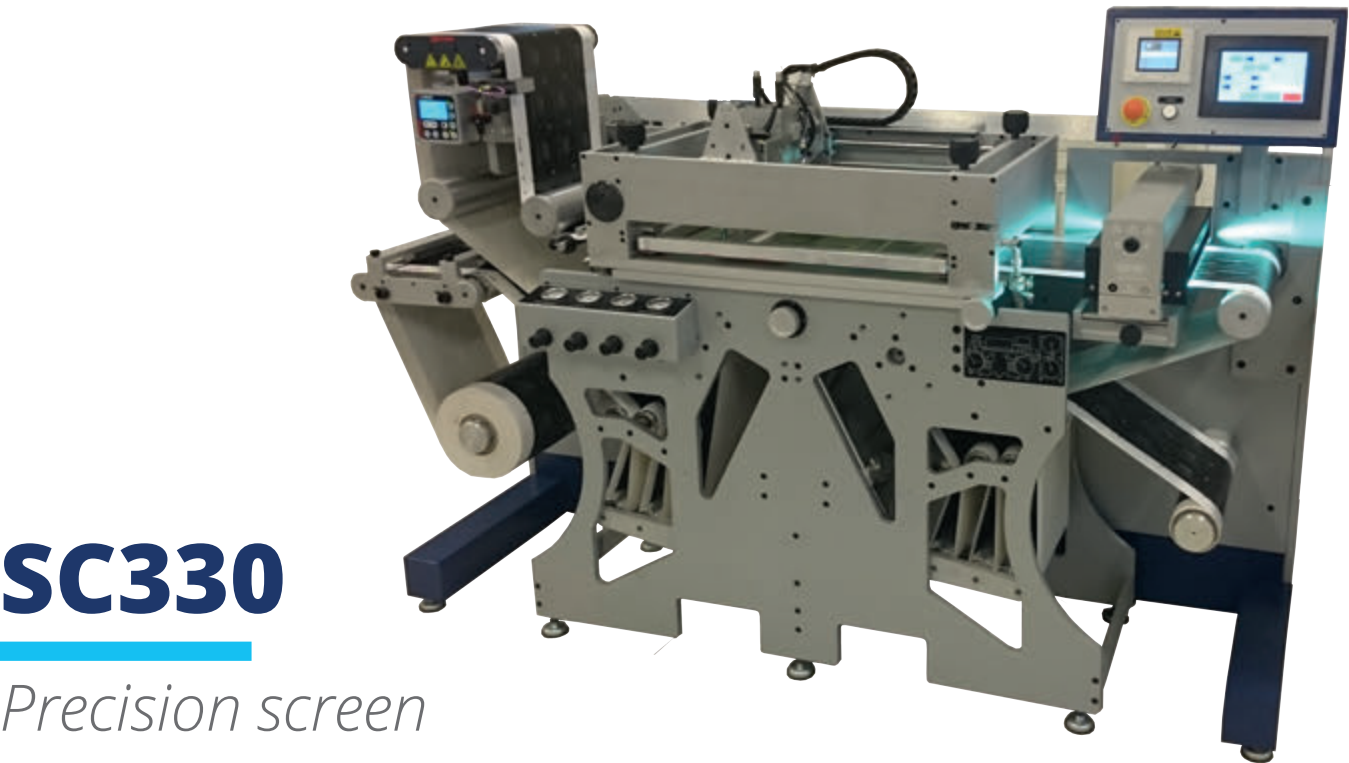
Easy plate mount system - swap in hot state.

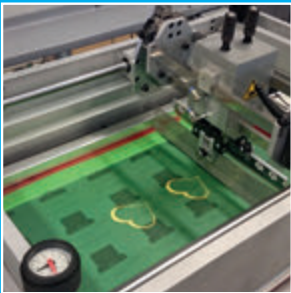Create amazing foil and embossing combinations.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	100mm - 330mm	4" - 13"
Speed	6000imp/h. or 10-15m/min	
Web unwind and rewind	Ø500mm - 3" pneumatic, shaft	
Foil unwind	Dual spindle with 1" or 3" core	
Foil rewind	Ø200mm - 3" pneumatic, shaft	
Foil feed cross and length direction (turning foiltower) Servo register system for printed marks or optional label group sensor		
Plate size and type	304,8mm x 330mm. 5-9mm magnesium or copper	
Digital temperature control	80ºC - 130ºC	
Warm up time	20min	
Power / Air	3x400V+N+PE, 16A / 5bar	
Size (WxDxH)	2.2m x 1.25m x 1.5m	

SC330

Precision screen printer

The **SC330** has a servo system that ensures perfect register on tight jobs. The frame size is 500x660mm. Frames can be made locally at a low cost. A special "after glow" feature cures even high layers of ink. The **SC330** is compatible with tooling from existing equipment. Setting up the **SC330** is very simple and fast, which makes it suitable to complete very short runs. Apart from being a cost-efficient alternative to rotary printing due to the low costs of mesh and frame, flat bed screen printing is also a good match for digital print - as the screen can be very fast for day to day production of labels.

Strong print frame with 4 adjustment points.

High build screen varnish label.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	100mm - 330mm	4" - 13"
Speed (depending on repeat):	4000imp/h. or 5m/min -15m/min	
Web unwind and rewind	Ø500mm - 3" pneumatic	
Frame size	660mm x 500mm	
Frame type	30x30mm alu frame	
Print area	350mm x 304.8mm	
Power / Air	3x400V+N+PE, 16A / 5bar	
Size (WxDxH)	2.3m x 1.6m x 2.0m	

UC500

Coating and priming unit
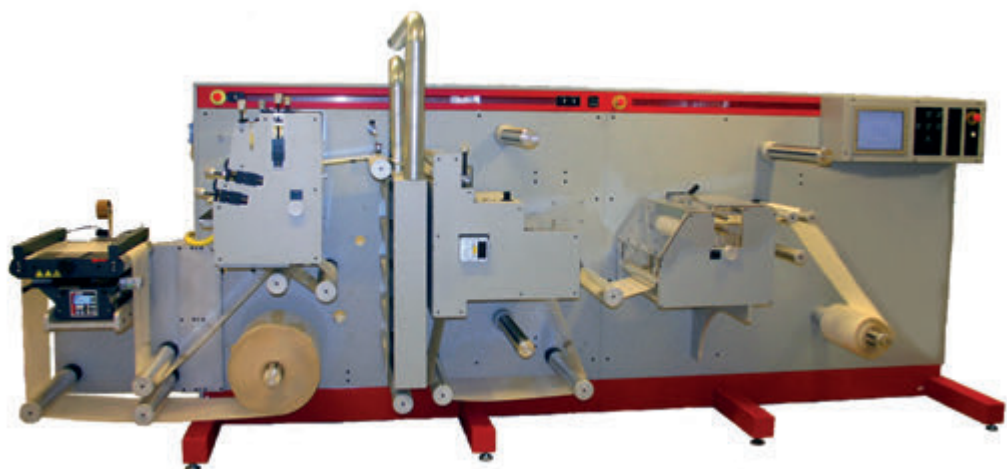
The **UC500** coating line is a universal coating/priming unit. It comes as an inline or offline version. Inline versions support all major digital presses. GM delivers the **UC500** in both left-right and right-left run direction. Coatings are applied with a flexo graphic station and can be both UV and water based. The **UC500** can be equipped with partial varnish, lamination, super gloss and other coating options. For priming synthetics a Corona system is needed. Water based coatings will need a closed chamber option in most cases. The **UC500** can be delivered in a "full duplex version" that applies coatings to both sides of the web. The standard 4x1.6 meter UC500 has a more compact sister; The ultra compact UC500L. This light version measures only 2x1.6 meters.

Closed chamber blade option for water based inks.

Corona system for synthetic materials.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	100mm - 500mm	4" - 20"
Substrate	50gsm - 200gsm	
Speed	30m/min	98ft/min
REWINDER/UNWINDER		
Max. Internal unwind	Ø700mm	27.6"
Max. Single or dual shaft rewind	Ø500mm	19.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Curing	GEW UV 6KW	
Spot varnish option (digital sensor register control)		
Hot air drying system	11KW	

Power / Air	3x400V+N+PE, 16A / 5bar	
Size (WxDxH)	3.8m x 1.5m x 1.7m	
Exhaust	Ø100mm, 800m3/h. Outside	

HS30

High speed rotary sheeter

The **HS30** rotary sheeter is a cut-to-mark high-speed sheeter for 30" wide web. It is designed to convert roll-fed material into sheets. The size can be from 20" to 60" depending on tooling. Precision register is managed by servo drive technology. The **HS30** can deliver sheets to a conveyer or a stacker solution. The unwind station is a double sided hydraulic unwind stand with tension control and lift from floor function. Maximum diameter is 1000mm.
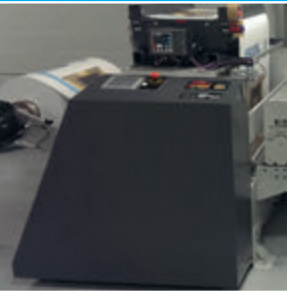
Jumbo unwinder with hydralic lift from floor.

Pile high stackker for "offset style" stacking.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	762mm - 300mm	12" - 30"
Substrate	80gsm - 400gsm	
Speed	66m/min	200ft/min
Max. unwind diameter	Ø600mm	23,6"
Repeat range		20" - 60" depending on tool
Core diameter	76.2mm or 152.4mm	3" or 6"
Option	Pile high stacker, Corona, Varnish	
Power / Air	3x400V+N+PE, 16A / 5bar	
Size (WxDxH)	4.7m x 1.6m x 1.7m	

ETV330/515

High speed sheeter

Roll to sheet guillotine cutter suitable for cutting labels and heavy materials. In-line and off-line operation. Built-in register control. A touch screen that allows for easy handling operates the sheeter. Cutting according to length, number of labels or print marks. It features a conveyor belt with stack and total counter. The web speed is limited to max. 30 m/minute and max. 14.000 sheets/hour and varies consequently according to the selected cutting length. The speed is typically 3.000 - 10.000 sheets/hour, subject to the job.

Easy-to-use touch panel.

Rotary slitting option.

SPECIFICATIONS	METRIC	IMPERIAL
Max. web width	330/515mm	13.0"/20.3"
Min. web width	30mm	1.8"
Max. sheet length	9999mm	393.7"
Min. sheet length	10mm	0.4"
Max. web speed	30m/min	
Core diameter	76.2mm or 152.4mm	3" or 6")
Max. unwind diameter (internal unwind section)	800mm	31.5"
Cutting accuracy	approx. ± 0,15mm	0.006"
Max. roll weight, unwinding	150kg	
Power / Air	200-240V+N+PE, 13A / 5bar	
Size (WxDxH):	1.9m x 0.9m x 1.5m	

COOLIE

Electro-hydraulic roll lifters

The **Coolie** roll lifter line contains a variety of roll lifters. Mobile electric or hydraulic roll lifters and roll turners. All models are available with remote control and are equipped with an expansion mandrel and a roll holder preventing telescoping of the roll. The roll lifter features a side-adjustment system for easy fitting of the mandrel into the core. Optional equipment includes "claws" to grab the roll from the outside and mandrel sizes from 3" to 12".

Coolie200 - manually pushed with hydraulically assisted lifting and tilting.

Coolie600 - largest model lifting up to 600 kg.

SPECIFICATIONS FOR SMALLEST AND LARGEST MODEL	
Lifting height	1450mm - 2400mm
Clearance height	1240mm - 2080mm
Max. roll diameter	900mm - 1260mm
Min. roll diameter	360mm - 540mm
Max. roll width	330mm - 600mm
Min. roll width	160mm
Max. roll weight	200kg - 600kg

LRFT-18/25

Inspection rewinder

The **LRFT-18/25** rewinders are vertical table top models with splicing table and two motor controllers - one working as an unwinder and the other as a rewinder - and the design offers control of the web tension which ensures superior winding quality. The mandrels are air expansion mandrels with sleeves easily exchangeable to other sizes. A touch panel makes the operation of the machine very easy with graphic figures showing the rewind direction, and the direction of rotation for the shafts. The machine has integrated label counter. Options include web guide, missing label system and meter counter. In case of a missing label, the machine stops and places the error on the splice table with high precision. A small LR11T "flat table" version is also available for narrow webs.


The smallest version of our rewinders; the LR11T is an economic flat table rewind with missing label system and counters. Touch screen in local language.

The LRFT series of standing rewinds support very small webs - down to 10mm webs can be inspected.

TECHNICAL SPECIFICATIONS	
Models	LR11T, LRFT18, LRFT25
Max. web width	110mm, 180mm or 250mm
Minimum web width	10mm
Speed	100m/min - 300m/min depending on diameter
Max. unwind diameter	400mm
Max. rewind diameter	350mm - 400mm
Mandrel size	25mm - 120mm
Power / Air	200-240V+N+PE, 6A - 13A / 5bar
Size LRFT (LxWxH)	1310mm x 810mm x 800mm
Size LR11 (LxWxH)	1050mm x 700mm x 360mm
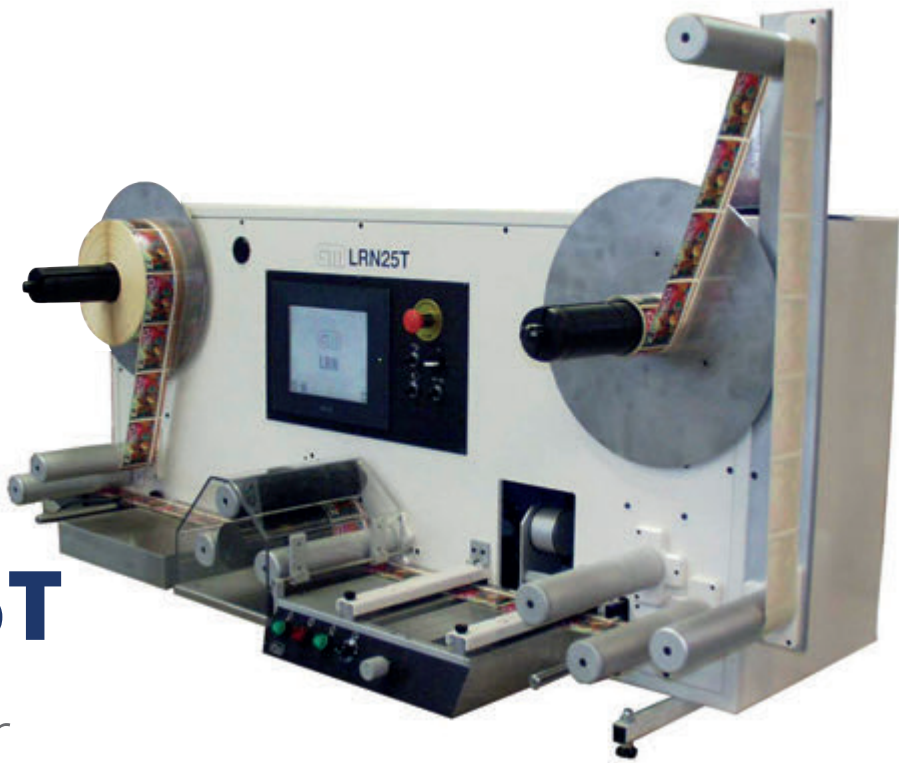
LRN18T/25T

*Inspection rewinder
with room for inkjet*

The **LRNT** rewinding and inspection unit is designed especially for demanding rewind jobs of high quality. The two-way rewinder has web tension control, nip and adjustable splice table with pneumatic splice clamps. It is equipped with air expansion mandrels with sleeves easily exchangeable to other sizes and can be fitted with an inkjet system. This turns the rewinder into an excellent machine for making labels, tickets, tags, forms, barcodes, cards in one process. Quicker, easier setup compared to other variable data printers.

Moveable splice table.

Inspection system.

SPECIFICATIONS	
Max. web width	180mm / 250mm
Max. speed	200m/min
Max. unwind diameter	400mm
Max. rewind diameter	400mm, subject to web width and material
Built-in label counter	One preselection and five digits
Built-in inspection equipment	For detection of missing labels or waste matrix
Air mandrels with sleeves	Ø25mm - Ø120mm
Power / Air	200-240V+N+PE, 6A / 5bar
Size (WxH):	1.3m x 0.8m

LST330

High speed slitter rewinder

The **LST330** slitter-rewinding and inspection unit is a tabletop model designed for especially demanding rewind jobs of high quality. The LST can be fitted with rotary, crush or razor blades. A built-in digital ruler makes knife set easy. The two-way rewinder has web tension control, nip and adjustable splice table with pneumatic splice clamps. It is equipped with air expansion mandrels with sleeves easily exchangeable to other sizes. The rewinder can be set at rewinding label-in or label-out.

Digital ruler for fast knife set.

Knifebox with crush knife.

SPECIFICATIONS	METRIC	IMPERIAL
Max. web width	330mm	(13")
Max. speed	220m/min	
Max. unwind diameter	400mm	(16")
Max. rewind diameter	400mm, subject to web width and material	(16")
Knife types supported	Rotary, Crush and Razor	
Minimum knife distance	15mm	
Air mandrels with sleeves	Ø25mm -Ø120mm	1-5"
Built-in label counter	One preselection and five digits	
Built-in inspection equipment	For detection of missing labels or waste	
Size (WxDxH)	1.6m x 1.1m x 0.8m	
Power / Air	3x400V+N+PE, 16A / 5bar	

PNT160

Semi-automatic core cutter

The **PNT160** core cutter provides high precision feeding and cutting of cardboard cores of optional length and sizes at high speeds. Long experience in the manufacturing of core cutters has resulted in the development of a unique product giving high priority to service friendliness and production speed. The switchover from job to job is easily done within a few minutes. The core cutter is operated by a user-friendly touch display with graphic symbols. The **PNT160** automatically adjusts all machine operations to the selected core size and wall thickness.
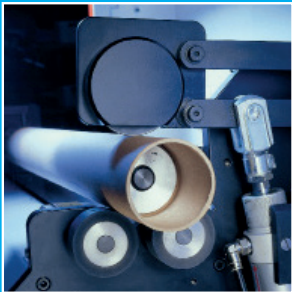
Core cutting with 4" blade and electronic contact kick-off for knife life saving.

Fast-mount core adapter. Easy reloading.

SPECIFICATIONS	METRIC	IMPERIAL
Cutting speed	Max. 40-70cut/min. Depending on core size and material	
Cardboard core diameters	12.7mm - 152.4mm	0.5" - 6"
	One adapter set needed for each diameter	
Material thickness	Max 15mm	0.59"
Air supply	Min. 4bar	
Power / Air	200-240V+N+PE, 13A	
Size (WxDxH)	2.5m x 0.5 x 1.6m	

AUXILLIARY MACHINES

XRN500
REWIND UNIT

The **XRN500** is a dual rewind unit with constant tension control towards the press. It features stepless tension on the rewind roll and a tension dividing nip. Operates on both slack-loop and tight web presses. Dual rewind, knifebox and webguide optional.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	500mm / 330mm	
Maximum roll diameter	400mm dual / 600mm single rewind	
Maximum roll weight	100kg	
Maximum speed	32m/min	96ft/min

RTJS ROLL
TURNER

A simple, practical and cost-efficient roll turner available with various options. Designed for mounting on a crane or similar. GM offers smaller roll turners as well.

SPECIFICATIONS	METRIC	IMPERIAL
Max. roll diameter	1240mm	49"
Min. roll diameter	660mm	13.8"
Max. roll weight	300kg	
Shaft	76mm or 152mm	3"/6"
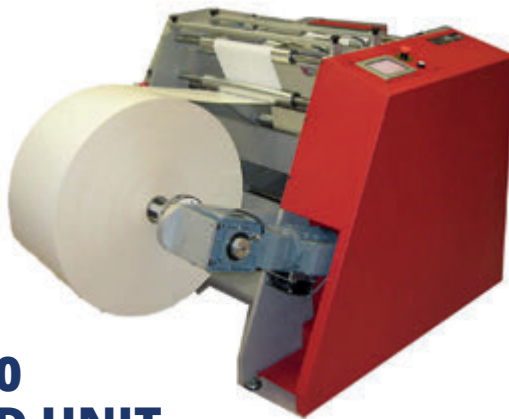
LRW500
REWIND UNIT

For the heaviest and most demanding jobs, GM offers this multi-purpose, stand-alone rewinding unit with splice table, web guide and slitting knife. The entire module is electronically synchronized and capable of communicating with a variety of printing systems

SPECIFICATIONS	METRIC	IMPERIAL
Maximum web width	520mm	20"
Maximum roll weight	600kg	
Maximum roll diameter	1000mm	40"
Maximum speed	30m/min (higher on request)	
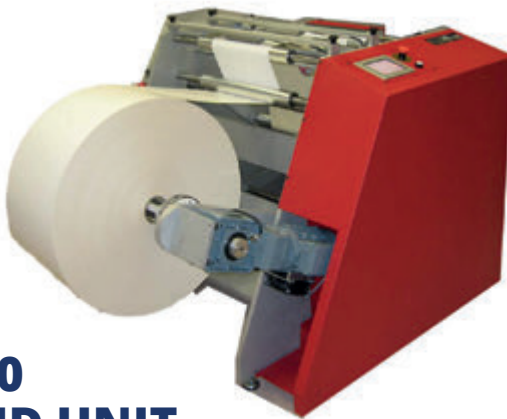
LUW500
UNWIND UNIT

For the heaviest and most demanding jobs, GM offers this multi-purpose, stand-alone unwinding unit with splice table, web guide and slitting knife. The entire module is electronically synchronized and capable of communicating with a variety of printing systems. Unit has a low unwind signal for press.

SPECIFICATIONS	METRIC	IMPERIAL
Web width	520mm	20"
Maximum roll weight	600kg	
Maximum roll diameter	1270mm	50"
Maximum speed	30m/min (higher on request)	

GR80

Shredder without own suction. Designed to shred a wide range of materials and reduce it to approx. 5 - 10% of the original volume.

SPECIFICATIONS	
Max. trim width	30 mm
Max. trim extraction speed	200m/min
Connection tube diameter inlet int./ext. dimensions	63mm / 75mm
Size (LxWxH)	600mm x 480mm x 1100mm

GR80K

Shredder with built-in waste removal unit. Designed to shred a wide range of material and reduce it to approx. 5 - 10 % of the original volume.

SPECIFICATIONS	
Max. trim width	30mm
Max. trim extraction speed	250m/min
Connection tube diameter inlet int./ext. dimensions	2x56mm / 2x63mm
Size (LxWxH)	650mm x 650mm x 860mm

SU3 WASTE REMOVAL UNIT

The SU3 Waste Removal Unit is an inline shredder for slitting applications, designed to convey trim from slitters of almost any make to a waste bin. The SU3 is mounted on wheels and is easily moved from one machine to another.

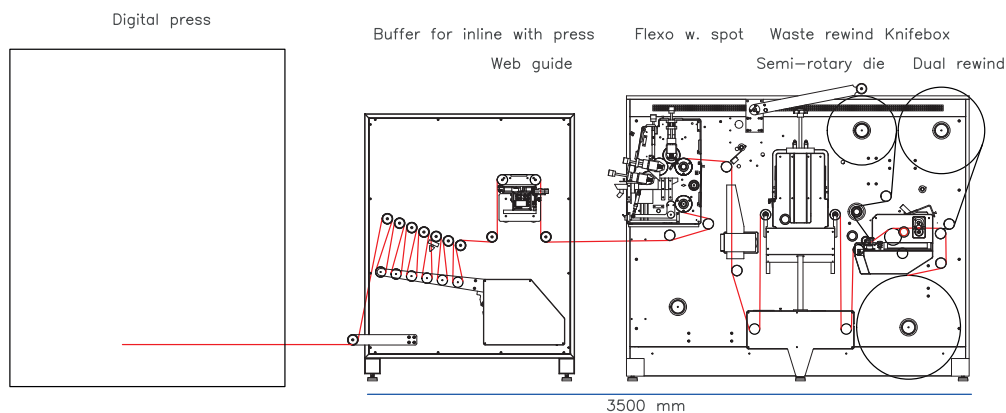| SPECIFICATIONS	
Max. trim width	20mm
Max. trim extraction speed	150m/min - 200m/min
Size (LxWxH)	600mm x 400mm x 600mm
Weight	35kg

RL ROLL LIFTERS

Mobile lifting units for handling of paper rolls. The RL-line includes four models with different lifting heights and manual or automatic lifting. Fits under EUR pallets. Both hydraulic and electric models are available.
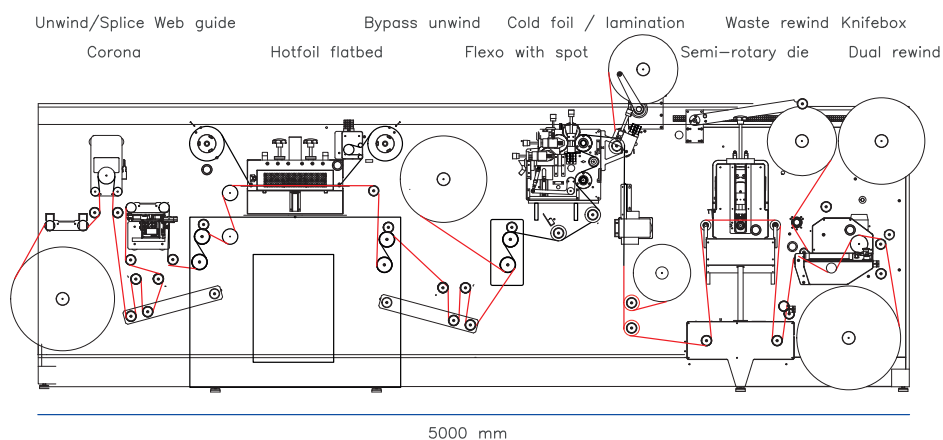
SPECIFICATIONS	
Lifting height	20mm - 1700mm
Max. roll weight	160kg - 350kg
Lifting system	Electric or manual hydraulic foot pump
Weight	80kg - 110kg

CONFIGURATION EXAMPLES

Digital press

Buffer for inline with press   Flexo w. spot   Waste rewind Knifebox
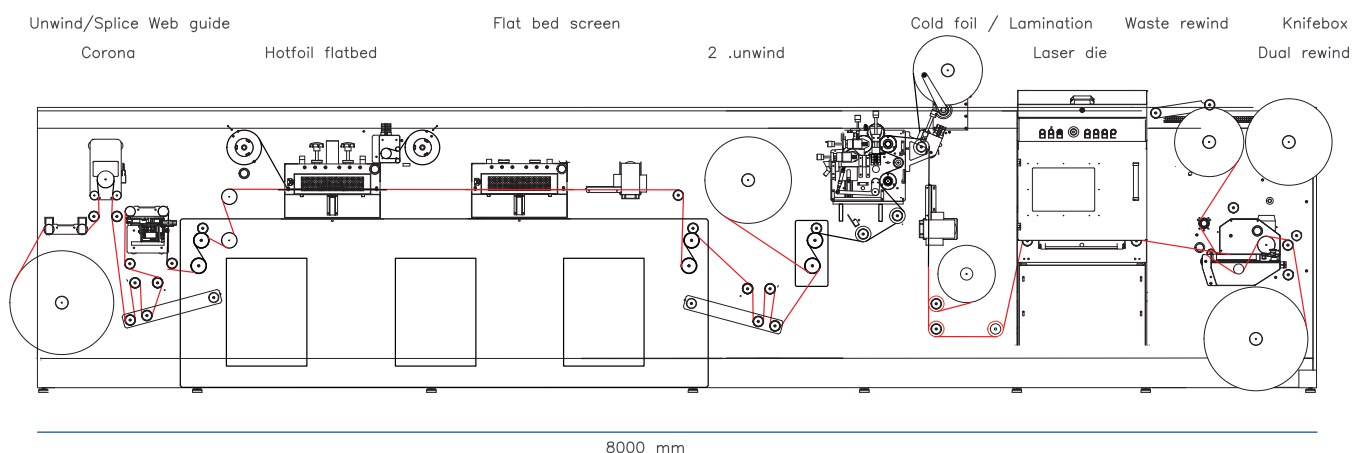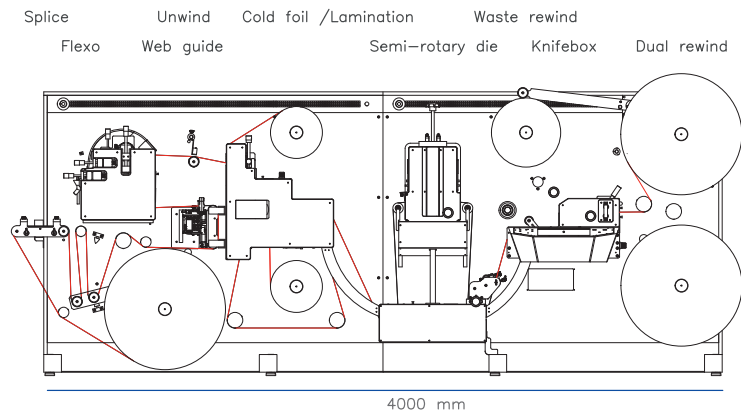
Web guide   Semi—rotary die   Dual rewind

3500 mm

DC330Mini finishing line with inline option for HP Indigo digital press. This configuration offers compact and economic processing of labels. Features are flexo varnish, lamination, spot varnish and die cutting.

Unwind/Splice Web guide   Bypass unwind   Cold foil / lamination   Waste rewind Knifebox

Corona   Hotfoil flatbed   Flexo with spot   Semi—rotary die   Dual rewind
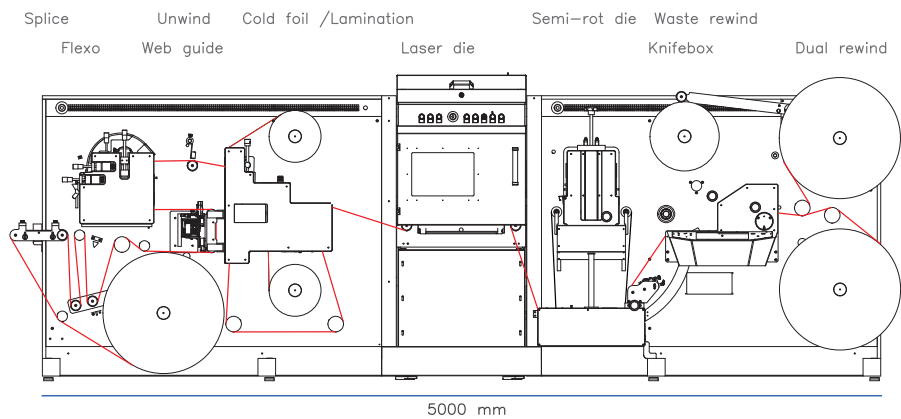
5000 mm

DC330 compact finishing line for high quality flatbed foil stamping. Integrated foiling unit with dual foil unwind, foil saver and servoregister. Embossing and foiling can be done using the same tool. Flexo varnish, lamination, spot varnish and die cutting.

Unwind/Splice Web guide   Flat bed screen   Cold foil / Lamination   Waste rewind   Knifebox

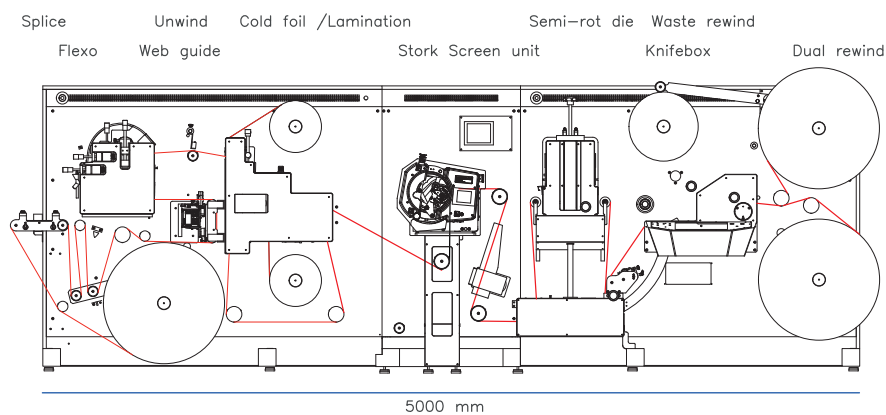Corona   Hotfoil flatbed   2 .unwind   Laser die   Dual rewind

8000 mm

DC330 compact finishing line with combined high quality flatbed foil stamping and flatbed screen printing. Servo register and foil saver. Embossing and foiling can be done using the same tool. Laser die cutting unit, flexo varnish, lamination, spot varnish and traditional die cutting.

Splice   Unwind   Cold foil /Lamination   Waste rewind
Flexo   Web guide   Semi—rotary die   Knifebox   Dual rewind

4000 mm

DC330 finishing line with built-in inline/offline option. Flexo varnish with spot, lamination, cold foiling, semi-rotary die cutting, slitting and dual rewind.

Splice   Unwind   Cold foil /Lamination   Semi—rot die   Waste rewind
Flexo   Web guide   Laser die   Knifebox   Dual rewind

5000 mm

DC330HYBRID finishing line with built-in inline/offline option. Hybrid laser and traditional die cutting. Flexo varnish with spot, lamination, coldfoiling, semi-rotary die cutting, slitting and dual rewind.

Splice   Unwind   Cold foil /Lamination   Semi—rot die   Waste rewind
Flexo   Web guide   Stork Screen unit   Knifebox   Dual rewind

5000 mm

DC330 finishing line with built-in inline/offline option. Stork rotary screen unit for raised varnish/special colors/silk screen finish. Flexo varnish with spot, lamination, cold foiling, semi-rotary die cutting, slitting and dual rewind.