

Digicon Series 3

Specification

General

Handling	Left to right or right to left	
Maximum material thickness	0.45mm	0.018"
Minimum material thickness	0.05mm	0.002"
Maximum running speed die cutting	80m/min	210ft/min
Maximum running speed of FAST Track semi rotary	150m/min	492ft/min
Maximum running speed full rotary re register	150m/min	492ft/min
Minimum running speed	2m/min	6.6ft/min
Manual cross adjust movement	+/- 10.00mm	0.394"
Maximum material width	350mm	13.780"
Minimum material width	150mm	9.055"
Unwind		
Standard unwind diameter	800.00	31.496"
Maximum unwind diameter	1000.00mm	39.370"
Standard uniwnd shaft diameter	76.20mm	3.000"
Maximum adjustment web guide	+/- 25.40mm	1.000"
Corona Treater		
Corona power	1-	3 KW
25 Tonne flatbed hot foil & emboss		
Standard foil tool thickness	6.35mm / 7.00mm	0.250"
Maximum diameter foil unwind	450.00mm	17.717"
Standard foil unwind shaft diameter	76.20mm	3.000"
Maximum adjustment web guide	305.00mm x 340.00m	m 12.008" x 13.386"
Minimum foil pull	1.00mm	0.039"
Skew adjust of head	+	-/- 1°
Maximum running speed with 304.80mm (12.000") repeat	52m/min	171ft/min
Maximum running speed with 622.30mm (24.500") repeat	72m/min	236.2ft/min
Maximum number of foils in web direction	3 Lanes	
Chase turn device	Yes	
Operational modes	Stroke & Rotary	
Maximum foil chase temperature	180°C	356°F
Blanket thickness	0.95mm	0.037"
Embossing tools	6.35mm female 1.15mm male	0.250" female 0.045" male
Intelligent foil save system	Yes	



BIG FOOT 50 Tonne flat bed hot foil & emboss		
Standard foil tool thickness	6.35mm / 7.00mm	0.250"
Maximum diameter foil unwind	450.00mm	17.717"
Standard foil unwind shaft diameter	76.20mm	3.000"
Maximum hot foil stamp area (LxW)	410.00mm x 340.00mm	16.142" x 13.386"
Minimum foil pull	1.00 mm	0.039"
Skew adjust of head	+/- 1°	
Maximum running speed with 410.00mm (16.142") repeat	60m/min	197ft/min
Maximum running speed with 622.3mm (24.500") repeat	72m/min	236.2ft/min
Maximum number of foils in web direction	4 Lanes	
Maximum number of foils across web	4 Lanes	
Chase turn device	Yes	
Operational modes	Stroke & Rotary	
Maximum foil chase temperature	180°C	356°F
Blanket thickness	0.95mm	0.037"
Embossing tools:	6.35mm Female 1.15mm Male	0.250" Female 0.045" Male
Intelligent foil save system	Yes	

Semi rotary hot foil & emboss		
Unwind shaft diameter	76.20mm	3.000"
Maximum hot foil stamp width	320.00mm	12.598"
Minimum foil pull	1.00mm	0.039"
Maximum number of foils in web direction	40m/min	131ft/min
Magnetic Cylinder		
Standard tool thickness	0.71mm	0.028"
Maximum hot foil stamp repeat 482.00mm (25.500")	622.30mm	24.500"
Maximum hot foil stamp repeat 635.00mm (25.500")	457.20mm	18.000"
Clamping Cylinder		
Standard tool Thickness	1.000mm	0.039"
Maximum hot foil stamp repeat 482.00mm (19.000")	546.10mm	21.500"
Maximum hot foil stamp repeat 635.00mm (25.500")	381.00mm	15.000"

Flexographic type	Flexographic printing station			
Maximum printing width 330.00mm 12.992" Maximum rotary flexo plate cylinder size 647.70mm 25.500" Minimum rotary flexo plate cylinder size 254.00mm 10.000" Maximum repeat semi rotary with 647.70mm (25.5") cylinder 622.30mm 24.500" Minimum plate repeat semi rotary 50.80mm 2.000" Coating roller width - standard 325.00mm 12.795" Accuracy to pre printed web +/- 0.15mm 0.006" Doctor blade carbon steel 15.00mm x 0.15mm 0.591" x 0.028" Ink pump duct connection inlet diameter 15.00mm x 0.15mm 0.591" x 0.028" Ink pump duct connection outlet diameter 10.00mm 0.394" Ink pump duct connection outlet diameter 25.00mm 0.984" Cold Foil 27m/min 89ft/min Cold foil full rotary with chill roller maximum speed 40m/min 13ft/min Cold foil full rotary with chill roller maximum speed GEW E2C Lamp arc length 380.00mm 14.961" Lamp arc length	Flexographic type	full rotary / full rotary i	full rotary / full rotary re-reg / semi rotary	
Maximum rotary flexo plate cylinder size 647.70mm 25.500" Minimum rotary flexo plate cylinder size 254.00mm 10.000" Maximum repeat semi rotary with 647.70mm (25.5") cylinder 622.30mm 24.500" Minimum plate repeat semi rotary 50.80mm 2.000" Coating roller width - standard 325.00mm 12.795" Accuracy to pre printed web +/- 0.15mm 0.006" Doctor blade carbon steel 15.00mm x 0.15mm 0.591" x 0.006" Doctor blade M10 tipped trupoint orange synthetic 15.00mm x 0.7mm 0.591" x 0.006" Ink pump duct connection inlet diameter 10.00mm x 0.7mm 0.591" x 0.028" Ink pump duct connection outlet diameter 25.00mm 0.394" Cold Foil Vold Foil semi rotary with chill roller maximum speed 27m/min 89ft/min Cold foil semi rotary with chill roller maximum speed 40m/min 13lft/min Cold foil full rotary with chill roller maximum speed GEW EZC Lamp arc length 380.00mm 14.961" Lamp arc length 380.00mm 14.961" Lamp power 100°C 212°F	Weight of ink cartridge (empty)	10kg	22lb	
Minimum rotary flexo plate cylinder size 254.00mm 10.000" Maximum repeat semi rotary with 647.70mm (25.5") cylinder 622.30mm 24.500" Minimum plate repeat semi rotary 50.80mm 2.000" Coating roller width - standard 325.00mm 12.795" Accuracy to pre printed web +/ - 0.15mm 0.066" Doctor blade carbon steel 15.00mm x 0.15mm 0.591" x 0.006" Doctor blade MI0 tipped trupoint orange synthetic 15.00mm x 0.7mm 0.591" x 0.006" Ink pump duct connection inlet diameter 10.00mm 0.394" Ink pump duct connection outlet diameter 25.00mm 0.984" Cold Foil Cold foil semi rotary without chill roller maximum speed 27m/min 89ft/min Cold foil semi rotary with chill roller maximum speed 40m/min 13ft/min Cold foil full rotary with chill roller maximum speed 6EW E2C Lamp as length 380.00mm 14.961" Lamp power 140-180w/cm 355.6w/inch Hot air dryer Maximum temperature 100°C 212°F	Maximum printing width	330.00mm	12.992"	
Maximum repeat semi rotary with 647.70mm (25.5") cylinder 622.30mm 24.500" Minimum plate repeat semi rotary 50.80mm 2.000" Coating roller width - standard 325.00mm 12.795" Accuracy to pre printed web +/- 0.15mm 0.006" Doctor blade carbon steel 15.00mm x 0.15mm 0.591" x 0.006" Doctor blade M10 tipped trupoint orange synthetic 15.00mm x 0.7mm 0.591" x 0.028" Ink pump duct connection inlet diameter 10.00mm 0.394" Ink pump duct connection outlet diameter 25.00mm 0.984" Cold Foil 25.00mm 0.984" Cold foil semi rotary with out chill roller maximum speed 27m/min 89ft/min Cold foil semi rotary with chill roller maximum speed 40m/min 131ft/min Cold foil full rotary with chill roller maximum speed 60m/min 328ft/min UV curing system Type - low energy air cooled GEW E2C Lamp arc length 380.00mm 14.961" Lamp power 140-180w/cm 355.6w/inch Hot air dryer Maximum temperature 100°C 212°F	Maximum rotary flexo plate cylinder size	647.70mm	25.500"	
Minimum plate repeat semi rotary 50.80mm 2.000" Coating roller width - standard 325.00mm 12.795" Accuracy to pre printed web +/- 0.15mm 0.006" Doctor blade carbon steel Doctor blade M10 tipped trupoint orange synthetic 15.00mm x 0.15mm plant	Minimum rotary flexo plate cylinder size	254.00mm	10.000"	
Coating roller width - standard 325.00mm 12.795" Accuracy to pre printed web +/- 0.15mm 0.006" Doctor blade carbon steel 15.00mm x 0.15mm 0.591" x 0.006" Doctor blade M10 tipped trupoint orange synthetic 15.00mm x 0.7mm 0.591" x 0.028" Ink pump duct connection inlet diameter 10.00mm 0.394" Ink pump duct connection outlet diameter 25.00mm 0.984" Cold Foil Cold foil semi rotary without chill roller maximum speed 27m/min 89ft/min Cold foil semi rotary with chill roller maximum speed 40m/min 131ft/min Cold foil full rotary with chill roller maximum speed 60m/min 328ft/min UV curing system Type - low energy air cooled GEW EZC Lamp arc length 380.00mm 14.961" Lamp power 140-180w/cm 355.6w/inch Hot air dryer Maximum temperature 100°C 212°F Air flow 300m³/h 10594.4ft³/h Overlamination Maximum unwind roll diameter 450.00mm 17.717"<	Maximum repeat semi rotary with 647.70mm (25.5") cylinder	622.30mm	24.500"	
Accuracy to pre printed web Doctor blade carbon steel Doctor blade carbon steel Doctor blade M10 tipped trupoint orange synthetic Is.00mm x 0.15mm 15.00mm x 0.7mm 0.591" x 0.008" Ink pump duct connection inlet diameter Ink pump duct connection outlet diameter Ink pump duct connection outlet diameter Ink pump duct connection outlet diameter Cold Foil Cold Foil Cold foil semi rotary without chill roller maximum speed Intervention outlet diameter Cold foil semi rotary with chill roller maximum speed Intervention outlet diameter Cold foil semi rotary with chill roller maximum speed Intervention outlet diameter Cold foil semi rotary with chill roller maximum speed Intervention outlet diameter Cold foil Cold foil Cold foil Cold foil semi rotary with chill roller maximum speed Intervention outlet diameter Cold foil semi rotary with chill roller maximum speed Intervention outlet diameter Cold foil semi rotary with chill roller maximum speed Intervention outlet diameter Cold foil Intervention outlet diameter Intervention outlet diameter Cold foil Cold	Minimum plate repeat semi rotary	50.80mm	2.000"	
Doctor blade carbon steel 15.00mm x 0.15mm 0.591" x 0.006" 0.591" x 0.006" 0.591" x 0.006" 0.591" x 0.006" 0.591" x 0.008" 0.591" x 0.008" 0.591" x 0.028" 10.00mm x 0.7mm 15.00mm x 0.7mm 0.591" x 0.028" 10.00mm x 0.7mm 0.591" x 0.028" 10.00mm x 0.7mm 0.591" x 0.028" 10.00mm x 0.7mm 0.594" 10.00mm x 0.394" 10.00mm 0.394" 10.00mm x 0.7mm 0.594" 10.00mm x 0.7mm 0.594" 10.00mm x 0.7mm 0.594" 10.00mm x 0.7mm 0.591" x 0.008" 10.00mm x 0.7mm 0.591" x 0.028" 10.00mm x 0.7mm 10.984" 10.00mm x 0.7mm 10.984" 10.00mm x 0.7mm 10.984" 10.00mm x 0.7mm 10.00mm x 0.394"	Coating roller width - standard	325.00mm	12.795"	
Doctor blade M10 tipped trupoint orange synthetic Ink pump duct connection inlet diameter Ink pump duct connection outlet diameter Ink pump duct connecti	Accuracy to pre printed web	+/- 0.15mm	0.006"	
Cold Foil Cold foil semi rotary without chill roller maximum speed 27m/min 89ft/min 131ft/min 131ft/min 100m/min 328ft/min 100m/min 328ft/min 228ft/min 228ft/min 228ft/min 238ft/min 238				
Cold Foil Cold foil semi rotary without chill roller maximum speed 27m/min 89ft/min Cold foil semi rotary with chill roller maximum speed 40m/min 131ft/min Cold foil full rotary with chill roller maximum speed 100m/min 328ft/min UV curing system Type - low energy air cooled GEW E2C Lamp arc length 380.00mm 14.961" Lamp power 140-180w/cm 355.6w/inch Hot air dryer Maximum temperature 100°C 212°F Air flow 300m³/h 10594.4ft³/h Overlamination Maximum unwind roll diameter 450.00mm 17.717" Standard unwind/rewind shaft diameter 76.20mm 3.000"	Ink pump duct connection inlet diameter	10.00mm	0.394"	
Cold foil semi rotary without chill roller maximum speed 27m/min 89ft/min Cold foil semi rotary with chill roller maximum speed 40m/min 131ft/min 328ft/min 100m/min 129ft/min 100m/min 328ft/min 100m/min 100m	Ink pump duct connection outlet diameter	25.00mm	0.984"	
Cold foil semi rotary without chill roller maximum speed 27m/min 89ft/min Cold foil semi rotary with chill roller maximum speed 40m/min 131ft/min 328ft/min 100m/min 129ft/min 100m/min 328ft/min 100m/min 100m				
Cold foil semi rotary with chill roller maximum speed 40m/min 131ft/min 328ft/min VV curing system Type - low energy air cooled GEW E2C Lamp arc length 380.00mm 14.961" Lamp power 140-180w/cm 355.6w/inch Hot air dryer Maximum temperature 100°C 212°F Air flow 300m³/h 10594.4ft³/h Overlamination Maximum unwind roll diameter 450.00mm 17.717" Standard unwind/rewind shaft diameter 76.20mm 3.000"	Cold Foil			
Cold foil full rotary with chill roller maximum speed 100m/min 328ft/min UV curing system Type - low energy air cooled GEW E2C Lamp arc length Lamp power 140-180w/cm 355.6w/inch Hot air dryer Maximum temperature 100°C 212°F Air flow 300m³/h 10594.4ft³/h Overlamination Maximum unwind roll diameter 50.00mm 17.717" Standard unwind/rewind shaft diameter	Cold foil semi rotary without chill roller maximum speed	27m/min	89ft/min	
UV curing system Type - low energy air cooled Lamp arc length Lamp power Hot air dryer Maximum temperature Air flow Overlamination Maximum unwind roll diameter Standard unwind/rewind shaft diameter Type - low energy air cooled GEW E2C 380.00mm 14.961" 140-180w/cm 355.6w/inch 140-180w/cm 355.6w/inch 140-180w/cm 355.6w/inch 140-180w/cm 300m³/h 10594.4ft³/h 10594.4ft³/h 300m³/h 300m³/h 300m³/h 300m³/h 300m³/h 300m³/h 300m³/h 300m³/h 300m³/h	Cold foil semi rotary with chill roller maximum speed	40m/min	131ft/min	
Type - low energy air cooled Lamp arc length Lamp power Hot air dryer Maximum temperature Air flow Overlamination Maximum unwind roll diameter Standard unwind/rewind shaft diameter Table 1380.00mm 14.961" 14.961" 14.961" 14.961" 14.961" 14.961" 14.961" 100°C 212°F 212°F 210°F 210°F	Cold foil full rotary with chill roller maximum speed	100m/min	328ft/min	
Type - low energy air cooled Lamp arc length Lamp power Hot air dryer Maximum temperature Air flow Overlamination Maximum unwind roll diameter Standard unwind/rewind shaft diameter Table 1380.00mm 14.961" 14.961" 14.961" 14.961" 14.961" 14.961" 14.961" 100°C 212°F 212°F 210°F 210°F				
Lamp arc length Lamp power 140-180w/cm 355.6w/inch Hot air dryer Maximum temperature Air flow Overlamination Maximum unwind roll diameter Standard unwind/rewind shaft diameter 380.00mm 14.961" 355.6w/inch 100°C 212°F 212°F 300m³/h 10594.4ft³/h 76.20mm 17.717" 3.000"	UV curing system			
Lamp power 140-180 w/cm 355.6 w/inch Hot air dryer Maximum temperature 100 °C 212 °F Air flow 300 m³/h 10594.4 ft³/h Overlamination Maximum unwind roll diameter 450.00 mm 17.717" Standard unwind/rewind shaft diameter 76.20 mm 3.000"	Type - low energy air cooled	GEW E	E2C	
Hot air dryer Maximum temperature Air flow Overlamination Maximum unwind roll diameter Standard unwind/rewind shaft diameter Too'C 212°F 212°F 300m³/h 10594.4ft³/h 450.00mm 17.717" 3.000"	Lamp arc length	380.00mm	14.961"	
Maximum temperature 100°C 212°F Air flow 300m³/h 10594.4ft³/h Overlamination Maximum unwind roll diameter 450.00mm 17.717" Standard unwind/rewind shaft diameter 76.20mm 3.000"	Lamp power	140-180w/cm	355.6w/inch	
Maximum temperature 100°C 212°F Air flow 300m³/h 10594.4ft³/h Overlamination Maximum unwind roll diameter 450.00mm 17.717" Standard unwind/rewind shaft diameter 76.20mm 3.000"				
Air flow 300m³/h 10594.4ft³/h Overlamination Maximum unwind roll diameter 450.00mm 17.717" Standard unwind/rewind shaft diameter 76.20mm 3.000"	Hot air dryer			
OverlaminationMaximum unwind roll diameter450.00mm17.717"Standard unwind/rewind shaft diameter76.20mm3.000"	Maximum temperature	100°C	212°F	
Maximum unwind roll diameter450.00mm17.717"Standard unwind/rewind shaft diameter76.20mm3.000"	Air flow	300m³/h	10594.4ft³/h	
Maximum unwind roll diameter450.00mm17.717"Standard unwind/rewind shaft diameter76.20mm3.000"				
Standard unwind/rewind shaft diameter 76.20mm 3.000"	Overlamination			
	Maximum unwind roll diameter	450.00mm	17.717"	
Maximum rewind roll diameter 450 00mm 17 717"	Standard unwind/rewind shaft diameter	76.20mm	3.000"	
17.717	Maximum rewind roll diameter	450.00mm	17.717"	



High speed flatbed screen printing		
Repeat length	85.00mm-410.00mm	3.345"-16.142"
Minimum image (web direction)	10.00mm	0.300"
Maximum mechanical speed (repeat dependent)	48m/min	157ft/min
Screen skew adjustment	+/- 2°	
Screen deflection	0.00-8.00mm	0.000-0.310"
UV curing GEW E2C	180w/cm	457w/inch

Die cutting station		
Туре	Semi rotary / Rotary	
Maximum die cut repeat on 647.7mm (25.500") cylinder semi rotary	622.30mm	24.500"
Minimum die cut repeat semi rotary	50.80mm	2.000"
Maximum die tool size rotary (option)	647.70mm	25.500"
Minimum die tool size rotary	304.80mm	12.000"
Maximum die cutting width	345.00mm	13.583"
Standard flexible die tool thickness	0.44mm to suit 0.48mm air gap	0.017" to suit 0.019" air gap
Accuracy to printed web	+/- 0.15mm	+/- 0.006"

FAST Track high speed die cutting

Granted patents: GB2539385; AU2016269766

Patent applications: EP16725193.3; CA2,981,241; CN201680032146.1; US15/575,291; MX/a/2017/014510;

BR 11 20170 22336 8; IN201717046345; JP2017-563237

Туре	Semi rotary/Rotary	
Maximum die cutting width	345.00mm	
Standard flexible die tool thickness	0.44mm to suit 0.48mm air gap	0.017" to suit 0.019" air gap
Accuracy to printed web	+/- 0.15mm	+/- 0.006"
Dual anvil mode		
Maximum die cut repeat	558.00mm	21.969"
Minimum die cut repeat	100.00mm	3.937"
Single anvil mode		
Maximum die cut repeat	785.00mm	30.906"
Minimum die cut repeat	100.00mm	3.937"

Waste matrix rewind		
Туре	Standard / Contact	
Maximum rewind diameter	800.00mm	31.496"
Rail mounted contact waste matrix maximum diameter	450.00mm	17.717"
Rewind		
Maximum roll diameter upper shaft	600.00mm	23.622"
Maximum roll diameter lower shaft	800.00mm	31.496"
Standard rewind air mandrel size	76.20mm	3.000"
Slitting		
Scissor slit minimum slit width	15.00mm	0.591"
Scissor slit maximum number of knives	20	
Autoslit minimum slit width in edge trim mode	31.00mm	1.220"
Autoslit positional accuracy of slitting knives	+/- 0.10mm	0.004"
Autoslit standard		
Minimum slit width - excluding edge trim mode	24.00mm	0.945"
Maximum number of knives	12	
Autoslit option		
Minimum slit width - excluding edge trim mode	15.00mm	0.591"
Maximum number of knives	15	
Crush slit minimum slit width	14.00mm	0.551"
Crush slit maximum number of knives	16	
Razor blade minimum slit width	12.00mm	0.472"
Razor blade maximum number of blades	20	
FAST slit minimum slit width	27.00mm	1.063"
FAST slit maximum number of knives	10	
SGTR AutoSet turret rewinder		
Maximum roll diameter	400.00mm	15.478"
Maximum web width	350.00mm	13.780"
Standard rewind air mandrel size	76.20mm	3.000"
Maximum mandrel diameter	76.20mm	3.000"
Minimum mandrel diameter	25.40mm	1.000"
Rewind sleeve on 76.20mm (3.000") mandrel	101.60mm	4.000"
Maximum running speed	150m/min	492ft/min
Counting	Labels and	Metres
Interlabel cutting accuracy with a 3.00mm (0.118") interlabel gap	100m/min	328ft/min



Metal to metal through die cutter/sheeter		
Sheeter tool repeat with 6 blades	304.80mm	12.000"
Sheet length increments	0.10mm	0.004"
Minimum sheet length	50.80mm	2.000"
Maximum running speed with 2 blades on a 304.80mm (12.000") sheet	120m/min	394ft/min
Maximum running speed with 3 blades on a 250.00mm (9.843") sheet	101m/min	331.4ft/min
Maximum running speed with 6 blades on a 125.00mm (4.921") sheet	62m/min	203ft/min
Print or label to sheet accuracy	+/- 0.15mm	0.006"
Die cutting mode with standard tool maximum running speed	150m/min	492.1ft/min

Power requirements
Basic machine including GEW only (50hz)

Basic machine including GEW only (60hz)

Air requirments

380/415V 3PH, E & N 32AMP/PHS

208/220V 3PH & E 40AMP/PHS

6 BAR

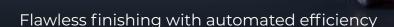
Dedicated sheeter		
Fixed sheeter tool repeat	304.80mm	12.000"
Sheet length increments	0.10mm	0.004"
Minimum sheet length	50.80mm	2.000"
Maximum running speed with 2 blades on a 304.80mm (12.000") sheet	120m/min	394ft/min
Maximum running speed with 3 blades on a 250.00mm (9.843") sheet	101m/min	331.4ft/min
Maximum running speed with 6 blades on a 125.00mm (4.921") sheet	62m/min	203ft/min
Print or label to sheet accuracy	+/- 0.15mm	0.006"



Module dimensions - length (L) x width (W) x height (H)		
Inline interface	0.90m x 1.52m x 1.80m	2'11" x 4'12" x 5'11"
Unwind (800mm)	1.30m x 1.52m x 1.80m	4'3" x 4'12" x 5'11"
Unwind (1000mm)	1.40m x 1.59m x 1.90m	4'7" x 5'2" x 6'2"
25 Tonne flatbed hot foil and emboss	1.10m x 1.52m x 1.80m	3'7" x 4'12" x 5'11"
BIG FOOT 50 Tonne flatbed hot foil and emboss	1.80m x 1.52m x 2.00m	5'11" x 4'12" x 6'6"
Flexographic print including UV	1.10m x 1.52m x 1.80m	3'7" x 4'12" x 5'11"
Overlaminaton (self wound/with carrier)	Does not increase machine dimension	
High speed flatbed screen print	1.65m x 1.52m x 1.80m	5'5 x 4'12" x 5'11"
Die cutting module	1.10m x 1.52m x 1.80m	3'7" x 4'12" x 5'11"
FAST Track high speed die cutting	1.50m x 1.52m x 1.80m	4'11"x 4'12" x 5'11"
Laser die cutting	2.40m x 1.52m x 1.80m	7'10" x 4'12" x 5'11"
Mid press waste matrix rewind	0.60m x 1.52m x 1.80m	1'12" x 4'12" x 5'11"
Rewind	1.50m x 1.52m x 1.80m	4'11" x 4'12" x 5'11"
2 Spindle semi-auto turret including buffer & matrix stripping	3.00m x 1.52m x 1.80m	9'10" x 4'12" x 5'11"
SGTR AutoSet turret rewinder	1.73m x 1.65m x 2.00m	5'8" x 5'5" x 6'6"
Double crossover peel and reveal 3 ply	1.10m x 1.52m x 1.80m	3'7" x 4'12" x 5'11"
Sheeter (including conveyor)	1.80m x 1.52m x 2.00m	5'11" x 4'12" x 6'6"
Sheeter/through die cutter (excluding conveyor)	1.10m x 1.52m x 1.80m	3'7" x 4'12" x 5'11"
Conveyor - standard	1.10m x 1.52m x 1.80m	3'7" x 4'12" x 5'11"



Digital Finishing by ABG



The Digicon Series 3 is the result of continuous developments in digital finishing made by ABG engineering teams.

Want to find out more?

Head to our website to learn more about our digital finishing solutions and automated workflow connectivity.



HMI sliding touch screen

Automatic I-Score

Fast Track Semi-Rotary Die Station

Flexographic Printing Station

Cantilevered Unwind

Time saving

Full automation for quick job changeover and simple pre-press set-up

Reliable results

High quality components, intelligently designed for consistent production



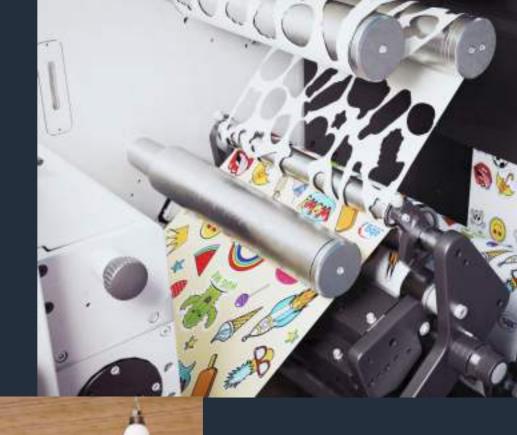
Simple to configure

Modules and options to configure the machine exactly as you need

Flexible

Works across a range of print applications; roll to roll or sheet.

Flawless finishing with automated efficiency



Accurate finishing

Cutting edge finishing technology to create high quality label embellishments

Intelligent

Integrates with any Management Information System (MIS)

Contact us: +44 1262 671 138

Market leading technology

Enjoy the reliability of tried and trusted Digicon technology

Multple Web Widths

Avaible at two different web widths; 330mm & 430mm

abgint.com

Digital Finishing



Add value to your digital printing

Over **1500** digital machines installed **worldwide**

Accurate

Built with precision to ensure consistent results.

Flexible

With modules and options to give you a competitive edge.

Choice of web widths

330mm & NEW 430mm.

Easy-to-Use

With intuitive controls and low-cost maintenance.

Fast

Able to keep pace, inline, with the latest digital print engines.

fleyeVision

Intergrate our 100% inspection solution to detect any errors for full quality control.

Non-Stop capabilities

When paired with our Non-Stop Winding solutions or Vectra turret rewinders.

Time Saving

With a wide range of automation options and our latest ABG Connect workflow software.

The Digicon Series 3 is our flagship machine with thousands of installations worldwide.

Modular in design, the DS3 can be tailored to meet your business needs, enabling you to create a clear and competitive advantage.

Designed for any digital printing application, the Digicon Series 3 can be used roll-to-roll or roll-to-sheet.

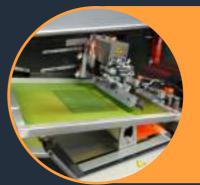


Beverage Specification

Foil, emboss or screen varnish - whatever your customer desires, the Digicon Series 3 has the modular solution for you.

Perfect for premium labels, you'll be impressed by the quality the Digicon produces. Also, by utilising our intelligently deigned modules, embellishments can now be achieved at increased production speeds without compromising quality.





Flat Bed Screen Printing

running at twice the speed of its predecessor, your customer can now have superior quality screen varnish on their labels, whilst you increase your margins.

Other modules to give you a **competitve advantage**

Peel and Reveal

Our crossover unit alongside delam/relam and turnbar modules it allows youfull flexibility for multi-ply labels.

Rail Mounting System

Adds greater flexibility for mounting turnbar and lamination options.

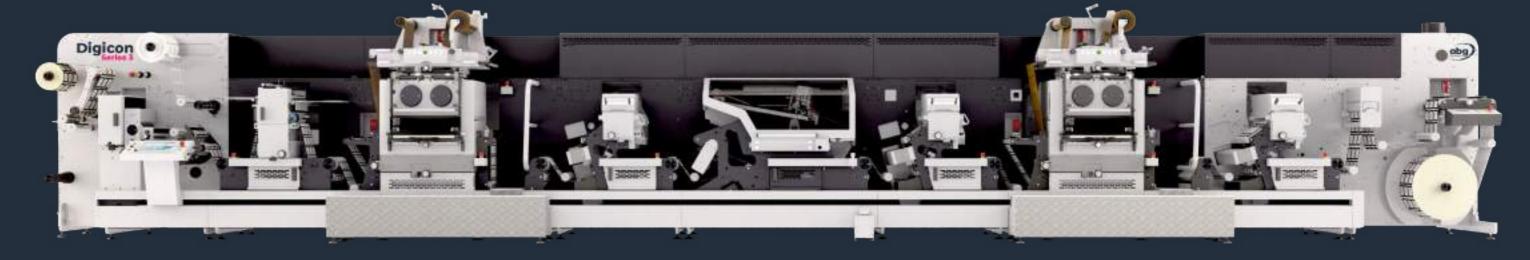
Lamination In Register

Produce full width, multi-layered labels by laminating a pre-printed web to the main web in perfect register.

Big Foot 50 Tonne Hot Foil & Embossing

Giving excellent foil coverage, the Big Foot applies 50 tonnes of pressure allowing foil to be stamped across and along the web, creating high quality, unique labels that are also cost-effective thanks to foil-save!





Increase your Productivity

Need to speed up production in your finishing department? The FAST Track die is a semi-rotary die that runs up to 180 metres per minute. To automate further, add on the SGTR AutoSet and apply applicator or, when glueless turret rewinder which, if chosen as an option, has quick

change mandrels allowing for different sized cores without compromising production speeds allowing you to perfectly seal your labels with the print combined with a camera, identify less than perfect rolls.



Automatic Die Plate Mounting/Removal

Every time you change iobs. flexible dies are mounted accurately and precisely using high resolution cameras.



Inline/Offline **Operation**

Have the flexibility to finish labels either inline of offline with the use of our digital interface.



Autoslit with Line Gap Sensor

Speed up job changes with this automatic slitting system that also includes an inter-label gap sensor.



Iscore Automatic Back Scorer

Automatically set your backscorer, minimising production downtime.



Digicon Lite 3

The Digicon Lite 3 is an entry level, compact digital finishing system built to the exact same standards as the large, market leading Digicon Series 3.

Capable of running at 64 metres per minute in semi-rotary, it can operate in line (right to left only) or stand alone.

It provides an excellent solution for day-to-day applications and can provide additional capacity at busy times. The Digicon Lite is easy to use and can be specified with a wide range of options to give your business a clear, competitive advantage.

Easy-to-Use

With intuitive controls and low-cost maintenance.

Cold Foiling

Produces a great foil finish with a standard flexo plate

Autoslit with Label Gap Sensor

Saves time by automatically setting knives

Accurate

Built with precision to ensure consistent results.

Super Varnish

Produces a premium, high gloss finish

Iscore

Saves time by automatically setting back scoring knives

Sheeter

Enables you to finish sheets as well as rolls.

Flexible

A wide range of options to give you a competitive edge.



Digicon 3000

The Digicon 3000 is a uniquely versatile 762mm (30") finishing line for digitally printed self adhesive labels, shrink sleeves, flexible packaging and point of sale materials.

In short, the Digicon 3000 can do it all - from rotary and semi-rotary printing and die cutting to laminating, slitting, decoration and perforation. The possibilities are endless. Fully compatible with the HP Indigo 20000 digital press, the Digicon 3000 is able to work off-line as a stand alone solution or in-line in order to print and finish in a single pass.

All Digicon 3000 systems are configured to meet individual finishing requirements, whether for labels, flexible packaging or both. So, by investing in a Digicon 3000, you can be certain to meet your customers' needs. You will also be able to offer shorter runs, higher quality, greater complexity and faster delivery.

Digitet by ABG

Perfect for short print runs, the DigiJet is able to embellish in high detail from any image source with no tooling costs. Designed to pair seamlessly with all technologies, it can work in full automation mode and is fully compatible with any MIS interface.

BLEACH

- Latest digital technology
- No tooling required and ease of set up
- Flexibility can work
 with any graphic file in
 greyscale
- High speed production

- Suitable for varnish and cold foil of various thicknesses, and can be adjusted on the fly
 - Print solid varnished and fine details on the same label, evensuitable for tactile triangles
- Low maintenance and easy purge procedure, with only one consumable required
- Minimise waste from your production
- MIS/ERP compatibility



Digilase 4.0

The DigiLase 4.0 is the result of continuous development in laser cutting technology made by ABG engineering teams.

The modular configuration allows you to deliver labels on a roll or as individual pieces, depending on your customer's preference.

Designed for short print runs with reduced lead times, the DigiLase 4.0 is perfect for web-to-print businesses.

Time Saving

Fast, fully automated job changeover and simple pre-press set up.

Reliable results

Cutting speed and power are automatically managed by the software developed by ABG.

Accurate Finishing

Digitally controlled fine laser beam for cutting intricate shapes on many materials.

Intelligent

Integrates with any Management Information System (MIS).

Simple to configure

Modules and options to configure the machine exaclty as you need.

Flexible

Works across a range of print applications; roll to roll, sheet or individual piece.

Quick set up

No make readies required and saved jobs can be set up for automatic repeats

Easy to use

Intuitive interface with integrated inspection area and no need for hard tooling.





The ABG connectivity system can work in conjunction with any Management Information System (MIS) using an industry standard messaging format.

Providing unrivalled efficiency, this sophisticated technology enables automatic job set-up and changeover in just a few milliseconds, with minimal human intervention.



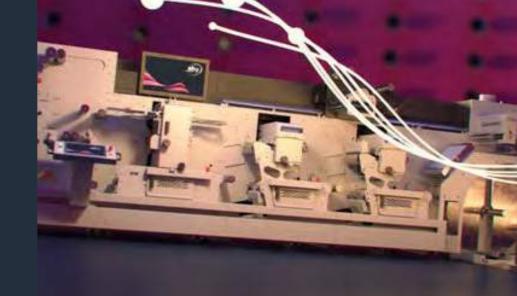
Gives competitive advantage with real time production data for accurate stakeholder reporting



Material saving with faster and accurate setups



Less paperwork with the QR codes removes the need for paper job tickets





Connectivity with all ABG finishing machines managed via a single central server



Faster and more accurate set up reducing risk of operator error



Removes admin tasks from operators freeing up time to concentrate on production





Money saving through increased automation and less need for human resources



Efficient set up allows files to be received directly from the customer's website





ABG Connect with DigiLase 4.0

Combining ABG Connect and our cutting-edge DigiLase 4.0 can provide you with a highly efficient solution, perfect for web-to-print, short run production. ABG Connect allows you to automatically load new job data into the DigiLase compiler so it is ready for an instant job changeover with zero material waste.

- Minimise Waste
- Reduce Downtime
- Outstrip the competition





This is an automated revolution.

Dr. Adrian SteeleManaging Director **Mercian Labels UK**

Want to find out more?

Head to our website to learn more about our digital finishing solutions and automated workflow connectivity.



Enjoy the security of ABG



65+ years of print finishing expertise



Designed, manufactured, and serviced by ABG



Built with connectivity, automation, and ease of use



Modular approach which means each build can be bespoke to you



Retrofittable options – allowing you to future proof your business



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