



# **Digicon Lite 3**

## **Specification**

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### General

| Handling                                 | Right to left ONLY |           |
|------------------------------------------|--------------------|-----------|
| Maximum material thickness               | 0.45mm             | 0.018"    |
| Minimum material thickness               | 0.05mm             | 0.002"    |
| Maximum running speed                    | 80m/min            | 262ft/min |
| Minimum running speed                    | 2m/min             | 6.6ft/min |
| Manual cross adjust movement (all units) | +/-10.00mm         | 0.394"    |
| Maximum material width                   | 350.00mm           | 13.780"   |
| Minimum material width                   | 230.00mm           | 9.055"    |

### Unwind

|                                |             |         |
|--------------------------------|-------------|---------|
| Maximum unwind diameter        | 800.00mm    | 31.496" |
| Standard unwind shaft diameter | 76.20mm     | 3.000"  |
| Maximum weight of roll         | 210kg       | 462lb   |
| Maximum adjustment web guide   | +/- 25.40mm | 1.000"  |

### Corona Treater

|              |          |
|--------------|----------|
| Corona power | 1 - 3 KW |
|--------------|----------|

### Flexographic printing station

| Flexographic type                                         | full rotary / full rotary re-reg / semi rotary |                 |
|-----------------------------------------------------------|------------------------------------------------|-----------------|
| Weight of ink cartridge (empty)                           | 10kg                                           | 22lb            |
| 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 0.006" |
| 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"          |

### 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 |



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### 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"  |
| Maximum rewind roll diameter          | 450.00mm | 17.717" |

### Die cutting station

| Type                                                             | 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<br>0.48mm air gap | 0.017" to suit 0.019"<br>air gap |
| Accuracy to printed web                                          | +/- 0.15mm                       | +/- 0.006"                       |

### Waste matrix rewind

| Type                                               | 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"  |



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| 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         |        |

| Power requirements                      |                               |  |
|-----------------------------------------|-------------------------------|--|
| Basic machine including GEW only (50hz) | 380/415V 3PH, E & N 32AMP/PHS |  |
| Basic machine including GEW only (60hz) | 208/220V 3PH & E 40AMP/PHS    |  |
| Air requirments                         | 6 BAR                         |  |

| Machine Dimensions |                       |                     |
|--------------------|-----------------------|---------------------|
| Digicon Lite 3     | 3.10m x 1.61m x 1.98m | 10'2" x 5'3" x 6'6" |