



Dimensions: **28' L** x **10' W** (with door swing/monitor full extension) x ~ **7-7.5' H** (with hood open)

## The Oldham Group is proud to announce our complete digital solution

The Oldham Team partnered with the “best in breed” in the print environment.

The Flex is powered with a Colordyne print engine, full diecutting with flexo units provided by a global leader in finishing along with our inks and coating developed by Sun Chemical.

The Flex will be showcased in Oldham’s shared demo center with

Colordyne in Brookfield, Wisconsin.

## COLORDYNE PRINT ENGINE

### GENERAL INFORMATION

- Print speed: 240 ft/min (73 m/min)
- Print resolution: 600 x 600 dpi
- Print width: 4.25" (108 mm), 8.5" (216 mm), 12.75" (324 mm), or 17" (432 mm)
- Color: CMYK, White, Orange, Green, Violet. Supports up to 7
- Inks: UV-LED
- Media type: labels, plastic, flexible film packaging and other porous or non-porous substrates

### SOFTWARE SOLUTIONS

- Colordyne control software
- Fiery Impress Digital Front End w/streaming
- Fiery Job Flow
- Fiery Free Form Create
- Fiery GA Pro and Color Profiler Suite
- Ink Estimator

### OPERATING ENVIRONMENT

- Operating range: 59° F to 95° F (15° C to 35° C) at RH 5-90% (non-condensing)
- Atmospheric pressure: 70 kPa to 106 kPa

### POWER REQUIREMENTS

- Engine: 208/1/50/20-40 amps
- LED cure lamp\*: 208/1/50/60 – 48 amps
- Chiller\*: 220/1/50/60 – 25 amps \* if applicable

### DIMENSIONS

- Height: 46" (1168 mm)
- Length: 64" (1626 mm)
- Width: 39" (1346 mm)
- Weight: 500 lbs (227 kg)

## FINISHING EQUIPMENT

### GENERAL INFORMATION

- Min/Max Material thickness: Self Adhesive 3mil - 13mil; Films 1.2mil - 9.8mil
- Min/Max Web Width: Min: 4" (105mm), Max: 13"(350 mm)
- Available width range: 350 mm - 13"
- Min/Max mechanical speed (rewinding only): Min: 0 m/min - Max: 200 m/min - Min: 0 ft/min - Max: 656 ft/min

### UNWIND

- Max diameter of the roll: 800 - 1000 - 1200 mm / 31" - 39" - 47"
- Max weight of the roll, standard diameter (kg): "350mm: 180 kg / 13"": 396 lb
- Max weight of the roll, 1000mm (kg): "350mm: 280 kg / 13"": 617 lb

### PRINTING

- Min/Max size of the cylinder: 10"-25"
- Max width of print: 350 mm / 13"
- Tolerance (synchronic/in register): +/- 0,1
- Printing speed max (open, closed chamber): 100,160 m/min - 328,524 ft/min
- Printing speed semi rotary max: 50 m/min - 164 ft/min
- Printing speed on glue min/max: 40 m/min - 131 ft/min
- Diameter of unwind foil/lamination roll: 450 mm / 17"
- Min/Max repeat (cylinder 25"): 10"-25"
- Printing cylinder (standard) gap: 0,48- foam, 1,14 polymer; 0,38 do 1,7

### LAMINATION

- Diameter of unwind foil/lamination roll: 450 mm / 17"
- Lamination speed max: 70 m/min - 229 ft/min
- Available types of lamination: Full Lamination, self wound, with carrier rewind and super lamination

### CURING

- Min/Max UV lamp width: 350 mm / 13"
- UV lamp power: 9kW (max electrical power per lamp)
- Max air dryer temperature: 100 Celsius degrees

### DIE CUTTING

- Max speed full rotary: 250 m/min - 820 ft/min
- Max speed semi rotary : 90/110/150 m/min - 295 / 360 / 492 ft/min
- Min/Max cylinder (under cutting, semi/full): 10"-25" (80-200 T), for 550 min 11 1/4"-25" (90-200T)
- Weight: 500 lbs (227 kg)
- Size of die cutting plate ROTARY: 10"-25" (80-200 T), for 550 min 11 1/4"-25" (90-200T)
- Size of die cutting plate SEMIROTARY: 5"-24" (40-192 T)
- Matrix diameter: 600 mm / 23"
- Tolerance (semi/full, in register): +/- 0,1
- Standard cylinder gap: 0,48

### SLITTING

- Max number of cut lines: Max number of cut lines
- Min width of slitting line: 15/ SciFi 15mm
- Tolerance of auto knives setting: +/- 0,1

### REWINDER

- Min/Max diameter of the rolls 1/2 shafts: 450/600 mm - 17/23"
- Min/Max diameter of the rolls semi turret in/out: 420/420 mm - 16/16

\*Additional Finishing Units Available - Cold Foil