THE**OLDHAM**GROUP

FLEX
COMPLETE DIGITAL SOLUTION

*Digital Rendering

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.

SCHEDULED TO GO LIVE LATE Q2 2024

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