

GENERAL (-000 Section)

1. 10" (254 mm) 8-color flexographic label and tag printing and die-cutting press, consisting of various sections as described. Web flow while standing at the operator's station is left to right.

2. General specifications:

Maximum printing width:	10" (254 mm)
Maximum paper width:	10 1/2" (267 mm)
Minimum paper width:	5 1/4" (133 mm) 3 1/2" with 650/750 tooling (to be confirmed at testing)
Maximum die-cutting width:	10" (254 mm)
Repeat length range:	6" to 18" (152 mm to 457 mm) (shorter repeats possible with 650/750 tooling)
Die-cutting repeat:	
Die position 1 and 3:	6" to 18" (152 mm to 457 mm)
Die position 2:	6" to 18" (152 mm to 457 mm)
Maximum unwind diameter:	40" (1016 mm)
Maximum rewind diameter:	30" (762 mm)
Waste rewind diameter:	24" (610 mm)
Gearing:	1/8 circular pitch, 64T
Mechanical design speed:	500 fpm (150 m/min)

Emergency stop:	4 seconds from 500 fpm (150 m/min)
Main Drive:	10 HP AC flux vector drive
8 color frame:	
Operator control panel:	Located in front of press
Lubricating system:	Automatic

4. Utility services: (to be provided by Purchaser)

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Electric:	380 Volts +/- 10%, 50 Hertz, Three Phase, 65,000 AIC
Control voltage:	120 Volts, 50 Hertz, Single Phase
Compressed air:	3 CFM @ 90 PSI (5.5 bars)
Maximum ambient air temperature:	104 degrees F (40 degrees C)

5. Range of material to be processed:

- 5.1 Tag stock: .010" nominal (245 micron)
- 5.2 Pressure sensitive labels,
films & laminates: .002" to .012" nominal
(50 to 305 micron)
(for optimum performance,
substrate range should not
exceed 0.006" (150 mm))

6. Other substrates can be printed with modifications to equipment. All substrates must meet the following conditions:

- 6.1 Substrate Quality - coefficient of web elasticity shall not vary more

than 5% within 300 feet of web.

- 6.2 Material Caliper - must not vary more than +/- 4% of nominal within 300 feet of web.
- 6.3 Moisture Profiles – must not vary more than 0.5% within 300 feet of web.
- 6.4 Basis Weight – must not vary more than +/- 2% within 300 feet of web.
- 7. Inks to be used: Water based or UV inks.
Note: Machine is not rated for solvent based inks.
- 8. Press completely erected before shipment for inspection and trials of mechanical, electrical and pneumatic operation.
- 9. The machine will produce a good quality product at speeds up to 500 fpm (150 m/min):
 - 9.1 Actual operating speed and print quality will depend on ink coverage, layout, substrates, plates, operating adjustments or Purchaser's personnel.
- 10. Warranty:
 - 10.1 Within a period of six (6) months from date of shipment from our factory, and when owned by the original Purchaser and being used in normal recommended service within design limitations, Builder will replace, free of charge, F.O.B. PCMC plant, any part of equipment covered by purchase order which, upon inspection at our factory or by authorized person, is proven to be defective in workmanship or material.
 - 10.2 Builder warranty covers parts and labor to troubleshoot or replace defective items.

A. STANDARD FEATURES

1. 40" (1016 mm) roll diameter capability:
 - 1.1 Cantilevered design.
 - 1.2 One (1) position.
 - 1.3 Web driven.
2. One (1) 3" (76 mm) diameter air expandable leaf style core shafts:
 - 2.1 Shaft designed to accommodate a 40" (1016 mm) maximum diameter roll.
3. Electro-mechanical lift mechanism to accommodate roll size.
4. Tension controlled by an air loaded dancer roll and dynamic brake.
5. Rolls are loaded and unloaded from the operator side of the press.
6. Manual splicing performed while machine is stopped. Clamps are provided to ease splice operation.
7. Infeed web guide assembly:
 - 7.1 Offset pivot guide, electronic design.
 - 7.2 Single edge guiding.
 - 7.3 Ultrasonic sensor.
 - 7.4 Microprocessor control.
 - 7.5 Manually positioned sensors.

A. STANDARD FEATURES

1. 10" (254 mm) web width:
 - 1.1 One (1) 1-color in-line flexographic print station included as standard.

Note: 1 to 8 print stations can be mounted on the standard 8-color frame.
2. Cantilever design for easy web thread-up and changeover.
3. Individual ink roll motor for anilox roll, providing auxiliary drive function when press is stopped.
4. 6" (152 mm) to 18" (457 mm) repeat range.
5. Rotary dial circumferential (lineal) register adjustment.
6. Rotary dial side (lateral) register adjustment.
7. Impression adjustment range +/- 3/8" (+/- 9.5 mm).
8. Manual skew adjustment of print head.
9. Quick change anilox roll/doctor roll system:
 - 9.1 Qty (1) anilox roll, up to 650 lpi.
 - 9.2 60 Durometer doctor roll.
 - 9.3 No tools required.
10. Single stainless steel ink pan.
11. Automatic impression roll throw off system

B. OPTIONAL FEATURES INCLUDED

1. Seven (7) additional print stations.
2. Eight (8) single reverse angle, open doctor blade assemblies.

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3. Anilox engraving: Four (4) 650 lpi X 2.5 bcm
Two (2) 500 lpi X 3.2 bcm
Two (2) 250 lpi X 5.8 bcm

C. SPECIAL FEATURES INCLUDED

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1. Eight (8) print cylinders, 18" (460 mm) repeat.

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2. One (1) Tectonic V5 plate mounter.

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3. One (1) Dupont plate mounter for existing VisionMAX press installation.

DRYER (-043 Section)

A. STANDARD FEATURES

1. Hot air dryer system with specially designed hood for progressive air flow:
 - 1.1 5 hp blowers for high capacity, 1800 cubic feet per minute.
 - 1.2 Large interstation hood design with impinged air for longer dwell time, higher press speeds.
 - 1.3 Four level heat control.

B. OPTIONAL FEATURES INCLUDED

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1. Auxiliary UV dryer, 400 watt single lamp, located at last print station.

C. SPECIAL FEATURES INCLUDED

DIE-CUTTING STATION (-057 Section)

A. STANDARD FEATURES

1. Multifunction station for die-cutting, creasing, and perfining.
2. Three position station allows top and bottom cutting.
3. 6" to 18" (152 to 457 mm) repeat. _____
4. Lineal adjustments for die position.

B. OPTIONAL FEATURES INCLUDED

C. SPECIAL FEATURES INCLUDED

WASTE REWIND (-066 Section)

A. STANDARD FEATURES

1. 24" (610 mm) roll diameter capability:
 - 1.1 Dual position.
 - 1.2 Center driven.
2. Two (2) 3" (76 mm) diameter air expandable leaf style core shaft.
3. Pneumatic clutch drive.
4. Web break detection.

B. OPTIONAL FEATURES INCLUDED

C. SPECIAL FEATURES INCLUDED

PRODUCT REWIND (-068 Section)

A. STANDARD FEATURES

1. 30" (762 mm) roll diameter capability:
 - 1.1 Cantilever design.
 - 1.2 Single position.
 - 1.3 Center driven.
2. One (1) 3" (76 mm) diameter air expandable leaf style core shaft.
3. Pneumatic clutch drive.

B. OPTIONAL FEATURES INCLUDED

C. SPECIAL FEATURES INCLUDED

SHEETER STATION (-070 Section)

A. STANDARD FEATURES

1. Multifunction station for sheeting, die cutting, perfining, and slitting.
2. 6" to 18" (152 to 457 mm) repeat station with bottom die-cutting capability.
3. Three air-operated score-cut slitting knives.
4. Outfeed pull roll nip for tension regulation.
5. Running lineal adjustment.
6. 10" (254 mm) counter assembly.

B. OPTIONAL FEATURES INCLUDED

C. SPECIAL FEATURES INCLUDED

LAMINATING UNWIND (-077 Section)

A. STANDARD FEATURES

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B. OPTIONAL FEATURES INCLUDED

1. 24" (610 mm) roll diameter capability:
 - 1.1 Cantilever design.
 - 1.2 Single position.
 - 1.3 Center driven.
2. One (1) 3" (76 mm) diameter air expandable leaf style core shaft.
3. Pneumatic clutch drive.
4. Adjustable air brake.
5. Cores/rolls loaded and unloaded from operator side of press.
6. Waste delivered to secondary waste rewind, 20" (510 mm) diameter capability.
7. Located at first die station.

C. SPECIAL FEATURES INCLUDED