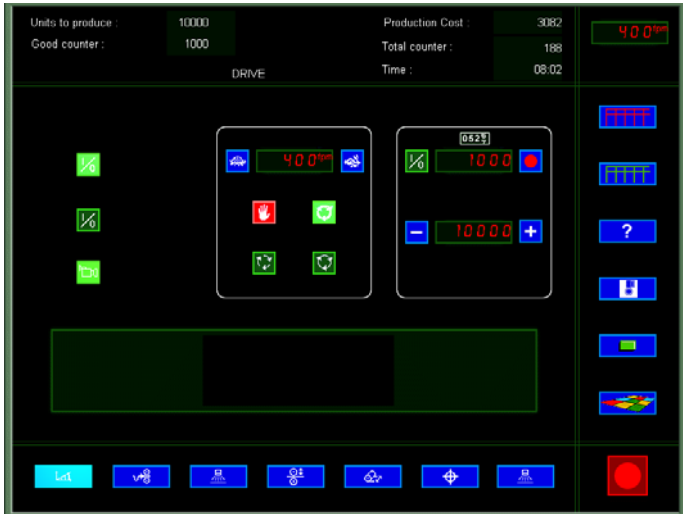


Technical descriptive sheet

Flexo Printing Simulator – FlexSys II

Press Console



Web tension

- Reel-Stand Pressure
- Side-Lay (Lateral) Web Position
- Nip Pressures And Tensions
- Stripping capstan roll tension

Inking & printing

- Inking Pressure
- Printing Pressure
- Doctor Blades Or Fountain Roll Pressure
- Ink Pump Speed
- Viscosity And pH Sensors

Drying

- Dryer Temperature And Airflow
- UV Curing Level

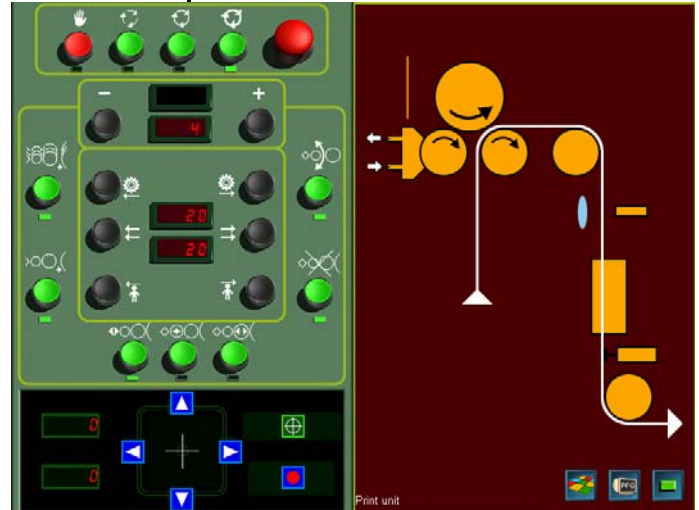
Registration

- Print Register

Press



Press Components



Inking system

- Fountain Roll
- Doctor Blade
- Mounted Anilox Cylinder
- Anilox Roll

Web handling

- Unwind Section
- Brake

Nip Roll System

- Web Guide System

Infeed section

- Web Cleaner
- Anti-Static System
- Corona Treatment
- Idler Rolls

Print Unit

- Plate Cylinder Unit

Plate Cylinder

- Gears - Plate Cylinder

Mounting Tape

- Printing Plate

Dryers

- Heat Source
- Drying Chamber
- Supply Fan
- Exhaust Fan

Air Conditioning Device

Lamination Unit

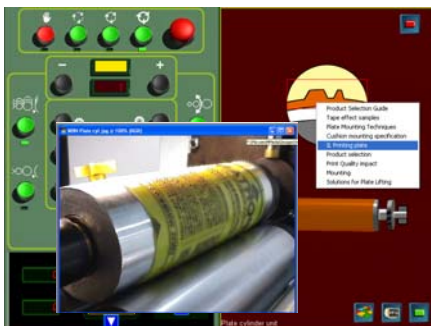
- Lamination roll

Rotary Die Cutter Station

Waste Removal Unit

- Stripping Capstan roll
- Slitter
- Web Viewer

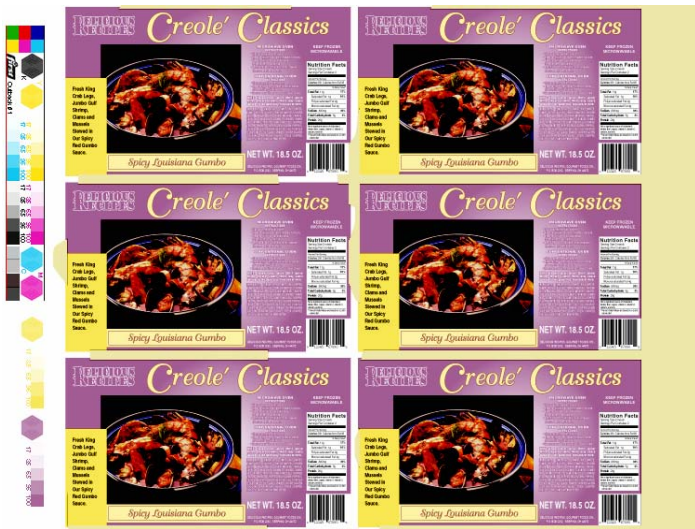
Personalized Opportunities



Multimedia

- (pictures, videos, text, presentations, safety information, documents, procedures, pdf, etc)
- Industrial production costs
- Creation of training courses
- Customized press settings
- Customization of materials and components used
- Customized print jobs for simulation

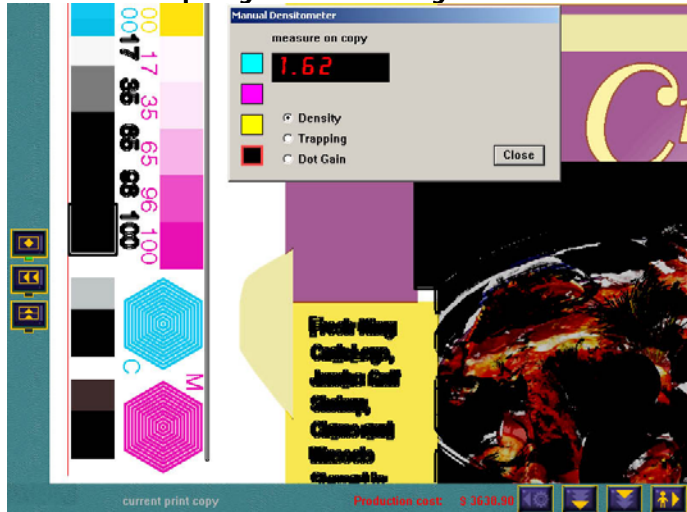
Potential Faults



- | | | |
|---------------------|--------------------------------|----------------------|
| Donuts | LFL Problem | Set Off |
| Dot Gain | Lines | Skipout |
| Double | Mark | Slitter Jam |
| Inking | Marks On Web Edge | Slur |
| Dragging | Mis Register | Splashing |
| Dropped | Mis Register (Print-Structure) | Stack Not Uniform |
| Dots | Missing Labels | Striations |
| Distortion Of Plate | Moiré | Substrate Burned |
| Explosion | Mottle | Production Width |
| Feathering | No More Laminate | Tracking |
| On Trailing Edges | No Printing | Trapping |
| Fill-In | No Slitting | Undesired Odor |
| Film | No Substrate | Uneven Print Colors |
| Shrinking | Not Creasing | Unreadable Bar Code |
| Fish Eyes | Not Cutting | VOC Level |
| Flooding | Picking | Wrong Cutting Length |
| | Pinholing | Wrong Color |
| | Poor Creasing | Wrong Density |
| | Press Stop | Wrong Design |
| | Printed Dust | Web Break |
| | Repeat Length | Wrinkles |
| | Reticulation | |
| | Roll Not Shippable | |
| | Scratches | |

- | | | |
|--------------------|-------------------------|------------------|
| Adhesion | Comet Streak | Ghosting |
| Bleeding | Cut To Print Register | Grease Stains |
| Blocking | Curling | Halo |
| Bounce | Dirty Print | Ink Rotation |
| Brittleness Of Ink | Die Cutting Through | Ink Starvation |
| Chattering | Liner | Laminate To Roll |
| Color Off | Distortion Of Substrate | Alignment |

Print Display and Analysis



Display

- | | |
|----------------------|-------------------------------|
| Full Image Size | Adhesion Test |
| Quarter Image Size | VOC Levels |
| Sixteenth Image Size | Production Information |
| Print Copy Vs | Substrate Type |
| Contract Proof Copy | Ink Type |
| Control Strips | Anilox Roll Settings |
| Tools | Metering System |
| Densitometer | Good & Bad Copies |
| Magnifier | Cost & Time |
| Spectrophotometer | |

Diagnostic Help System – FLIPSS



Interactive diagnostics with all possible causes for current simulated problems along with explanations and suggested solutions

04/2004 – Specifications subject to change



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