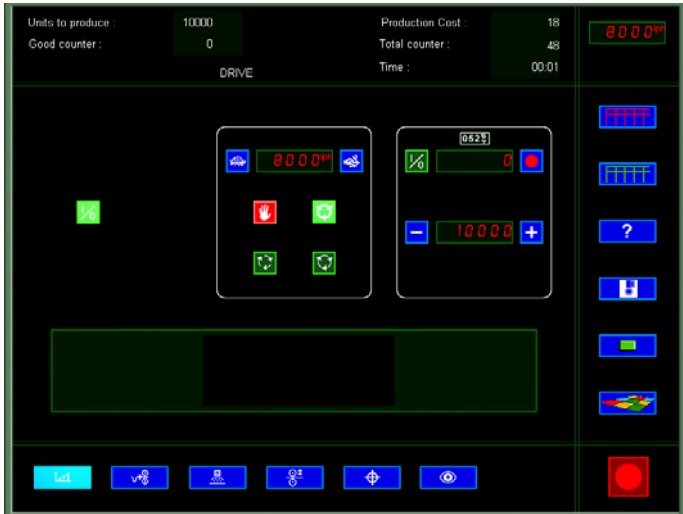


Technical descriptive sheet

Flexo Printing Simulator – FlexSys CS

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

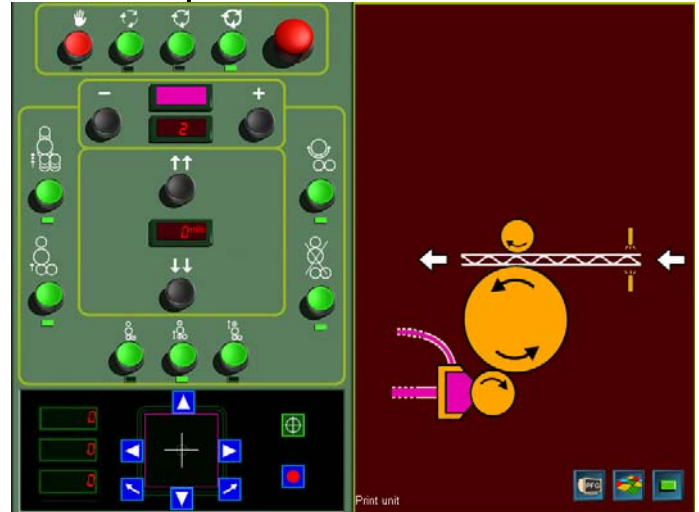
Registration

- Print Register

Press



Press Components



Inking system

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

Board transfert system

- Vacuum Transfer

Pull Roll Collars

Feeder Controls

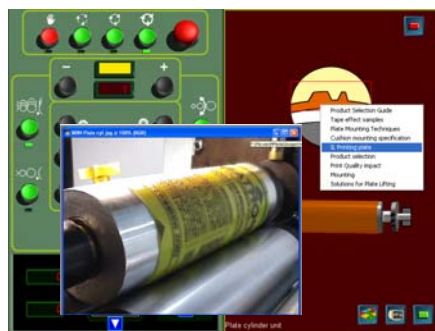
- Guides position
- Feed Gate
- Back Stop
- Rotating Lead Edge
- Feeder
- Suction Device

Print Unit

- Plate Cylinder Unit
- Plate Cylinder
- Gears - Plate Cylinder
- Mounting Tape
- Printing Plate
- Dryers
- Heat Source

Drying Chamber

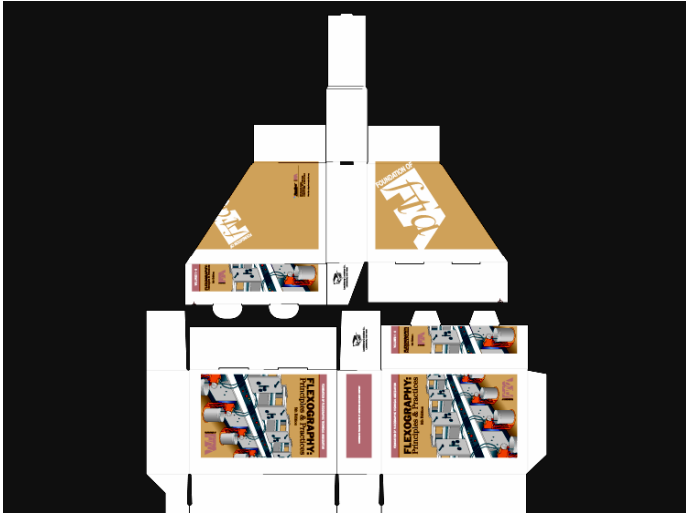
- Supply Fan
- Exhaust Fan
- Air Conditioning Device
- Rotary Die Cutter Station
- Waste Ejection Unit
- Web Viewer



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



Adhesion
Bad Waste Ejection
Bleeding
Blocking
Bounce

Chattering
Color Off
Comet Streak
Creasing Instead Of
Cutting

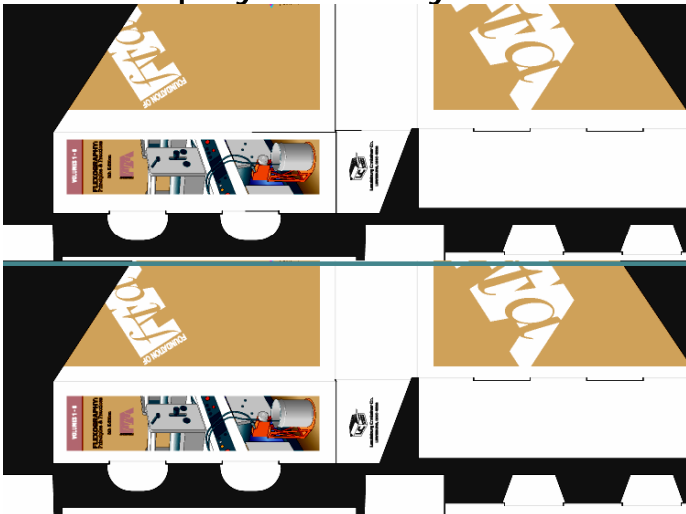
Explosion
Feathering On Trailing
Edges
Fill-In
Flooding

Crushed Board
Cutting
Instead Of
Creasing
Cut To Print
Register
Curling
Dirty Print
Donuts
Dot Gain
Double Inking
Dragging
Dropped Dots
Distortion Of Plate

Ghosting
Grease Stains
Halo
Ink Rotation
Ink Starvation
Lines
Mark
Mis Register
Mis Register (Print-Structure)
Moiré
Mottle
No Printing
No Slitting
No Substrate
Not Creasing
Not Cutting
Picking
Pinholing
Poor Creasing
Press Stop
Printed Dust

Repeat Length
Scratches
Set Off
Skipout
Slitter Jam
Slur
Splashing
Stack Not Uniform
Striations
Tracking
Trapping
Uncut Flats, Poorly Cut Flats
Undesired Odor
Uneven Print Colors
Unreadable Bar Code
Wrong Cutting Length
Wrong Color
Wrong Density
Wrong Design
Wrinkles
Wash Boarding

Print Display and Analysis



Display

Full Image Size
Quarter Image Size
Sixteenth Image Size
Print Copy Vs
Contract Proof Copy
Control Strips
Tools
Densitometer
Magnifier
Spectrophotometer

Adhesion Test
VOC Levels
Production Information
Substrate Type
Ink Type
Anilox Roll Settings
Metering System
Good & Bad Copies
Cost & Time

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



Sinapse Graphic International
Bât Epicure - Les Algorithmes
Route de l'Orme aux Merisiers
91194 Saint-Aubin Cedex - France
info@sinapsegraphic.com www.sinapsegraphic.com
Tel: 33 (0)1 69 35 54 00 - Fax: 33 (0)1 69 35 07 15