

# Technical descriptive sheet

## Gravure Printing Simulator – Packsim

### Press Console



### Press



Good / Bad Copy counter  
 Job Information  
 Production Information  
**Drive**  
 Power On/Off  
 Speed  
 Run / Stop  
 Emergency Stop  
 Impression Rollers  
 Up/Down (all units)  
 Rewind  
 Substrate On Reel  
**Web handling  
 & Tension**  
 Lay On Roller Pressure

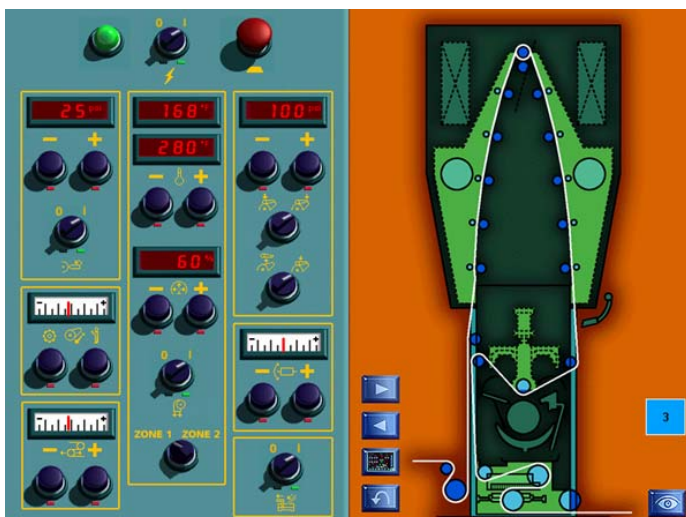
Outfeed  
 Tension Setting  
 Nip Roll Pressure  
 Slitters  
 Web Guide  
 Sidelay Position  
 Automatic Control  
 Photo Cell Positioning  
 Unwind Rollers  
 Up/Down  
**Web Condition**  
 Steam On/Off  
 Cleaner On/Off  
 Corona Treatment Value  
 Dryer Temperature

Dryer Airflow  
**Print Unit Settings**  
 Dryer Temperature  
 (Zone 1 & 2)  
 Dryer Airflow (Zone 1 & 2)  
 Viscosity Measurement  
 Viscosity Setting  
 ESA Setting  
 ESA Reading  
 Print Unit Impression  
 Down/Up  
 Display  
**Registration**  
 Circumferential Control

Lateral Control  
 Automatic Or Manual  
 Control  
 X1 Or X10 Adjustment  
 Step Size  
 Registration Control  
 Programming  
 Automatic Or Manual  
 Control  
 Elongation  
 Phase Relation  
 Reference Value  
 Tolerance  
 Gate Width

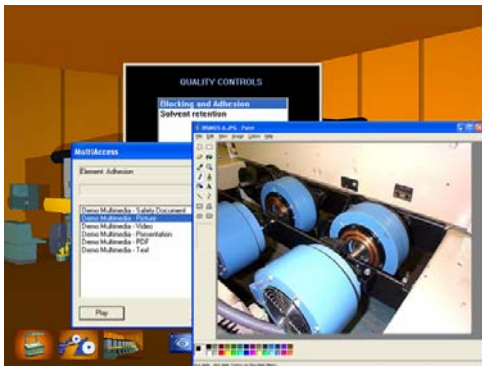
### Press Components

**Unwind**  
 Turret



Butt-Splicer  
 Entrance Idler Roller  
 Festoon Rollers  
 Pressure System  
**Web Guide**  
 Steel Drive Roller  
 Rubber Nip Roller  
**Infeed**  
 Web Cleaner  
 Web Conditioner  
 Chill Roller  
 Corona Treatment  
 ESA  
**Print Unit(s)**  
 Print Cylinder  
 Compensator Roller  
**Ink System**

Ink  
 Ink Pump  
 Ink Applicator  
 Ink Pan  
 Doctor Blade Assembly  
 Splash Guard  
**Impression Roller**  
 Register Scanner  
**Dryer**  
**Chill Roller**  
**Web Guide**  
**Web Viewer**  
 Outfeed  
**Slitters**  
 Trim Removal  
**Rewind**



## Personalized Opportunities

Multimedia

(pictures, videos, text, presentations, safety information, documents, procedures, pdf, etc)

Industrial production costs

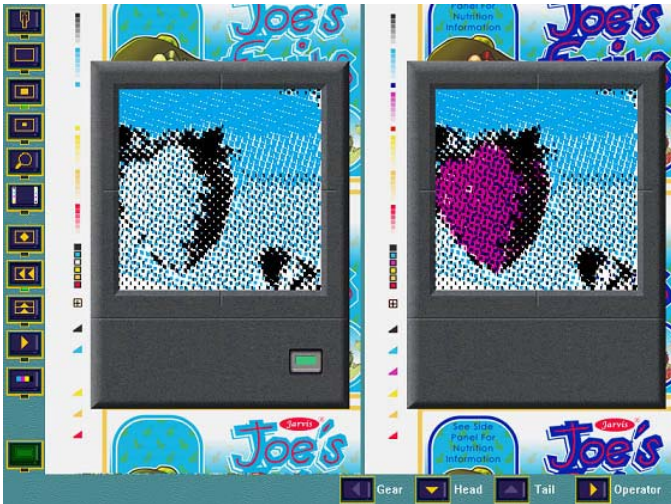
Creation of training courses

Customized press settings

Customization of materials and components used

Customized print jobs for simulation

## Potential Faults



Coating  
Color Off  
Curling  
Cutter Jam  
Cutting  
Register  
Cylinder Mark  
Delivery Jam  
Dents In Boxes  
Distorted  
Image  
Dragging  
Dragging  
Against The  
Web  
Drying  
Problems

Incomplete  
Transfer Of Ink  
From Cells  
Initial Patch Up To  
Be Done  
Ink Flow  
Ink Splash  
Kicker Jam  
Lines  
Missing Print  
Missing Scores  
Mottle  
Paper Slivers  
Picking  
Pin Holes  
Press Stop  
Press Won't Start  
Register  
Register +  
Distorted Image  
Screening  
Scuffing

Sharp Scores  
Sheet Breaks Loose  
Sheet Skew  
Slitting  
Smashed Knives  
Solvent Retention  
Splicing  
Static  
Stripper, Deliver Or  
Kicker Jam  
Stripper Jam  
Tab Breaker Jam  
Trapping  
Trim On Delivery  
Uncut Flaps  
Volcanoes  
Web Break  
Wrinkles

Adhesion  
Adhesion  
Bent Flaps  
Bleeding  
Blocking

Broken Nicks  
Bubble Under The  
Cylinder Surface  
Chatter  
Chrome Streak

Hazing  
Hole In Web  
Image Retransfer  
Impression Roller  
Damage

## Print Display Analysis & diagnostic Display



Full Image Size  
Quarter Image Size  
Sixteenth Image Size  
Print Copy Vs Color  
OK Copy  
Control Strips  
**Tools**  
Densitometer

Magnifier  
**Production Information**  
Substrate Type  
Ink Type  
Good & Bad Copies  
Cost & Time

**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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