



# ROLL-TO-ROLL SCREEN PRINT



Our multi-color, roll-to-roll screening presses combines screen printing and roll labels unlike any other.

## **KAMMANN - K61 ECO-PRESS:**

Empire offers the convenience of roll-to-roll labels with the outdoor-durability of screen printing. The Kammann K-61 EcoPress is the first screen press that uses a UV LED ink curing system, making it the most economically sound and environmentally friendly screen printing press on the market.

The Kammann is equipped with five-cylinder print stations combined with flat screen technology. This means better flexibility, precision, and quality. Using roll labels result in less material wasted, as roll stock has a thinner liner than sheet stock. It is also less sensitive to dust and contamination. The ability to complete parts from start to finish in a one-piece flow results in fewer handling errors and shorter production times.

## **ROLL-X: LARGE FORMAT ROLL-TO-ROLL SCREEN PRINTING:**

This press includes our own patent-pending registration platform, automated chase, vacuum functions, and a completely standardized set-up system which eliminates variability during machine operations. These advancements in registration allow the material to re-register to itself when needed. It's also capable of first and subsurface printing with UV LED technology.

Empire created this equipment with visual registration to ensure repeatability and a color-to-color registration of  $\pm .005"$  and a graphic-to-die-cut register of  $\pm .005"$ . This gives our customers peace of mind that their branding will remain consistent throughout their product cycle.

The Roll-X uses 14 feet of material for setup, compared to other roll presses that use 125 to 150 feet—a 95% decrease in material setup usage. While normal roll presses incur additional waste if stopped or started in the middle of a run, our roll-to-roll has zero waste if interrupted.

## **ENVIRONMENTAL BENEFITS:**

- Reduced energy consumption
- No ozone emissions
- LED bulb life: 10-14 years
- Eliminates the use of mercury vapor bulbs (1-3 month bulb life)



## **AT A GLANCE**

### **MAX REPEAT SIZE:**

- Kammann  
14" x 13.5" (14.00")
- Roll-X  
36" x 17.25" (18.00")

### **MAX MATERIAL THICKNESS:**

- Kammann  
.014" (including adhesive/lamination)
- Roll-X  
.03"

### **ROLL LABELS:**

- Material savings of 15-20%

### **DURABILITY:**

- 5 or more years (outdoor)

### **REGISTRATION TOLERANCE:**

- $\pm .005"$  color-to-color
- $\pm .005"$  graphic-to-die-cut

### **LPI/RESOLUTION:**

- 92 LPI / 1270 DPI

### **MATERIALS:**

- Vinyl
- Polyester
- BOPP
- Polycarbonate
- Lexan
- Papers

### **INKS:**

- Spot colors

