

axpanel

System Introduction



Sectional Door Panels Digital Inkjet Printing

Digital Printing — The Future for Garage Doors



axpanel Introduction

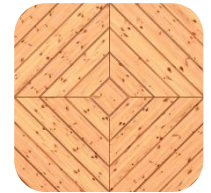
- axpanel is the **first proven system** for digital inkjet printing on sectional door panels
- Z-axis technology prints the bottom edge of the panel with **no white space between panels**
- **100.000 design possibilities** — prints almost any type of design, graphics art, scan or photograph
 - 16.000.000 possible colors with 4-color CMYK
 - High quality optical resolution up to 720 dpi
 - Print complete door designs
 - Custom designs for individual doors
 - 3D effects!
- **Replace expensive steel coils and panel inventory with only ink and lacquer**
- **Add new panel styles, designs and colors to increase sales and profits** — without increasing inventory
- Uses **standard panels**, typically white color
- **Fast production:**
 - Only a few seconds between print jobs
 - No minimum production run quantities — every panel can be completely different
- Printed panels sprayed with automobile grade polyurethane lacquer. **Lacquer provides superior resistance to corrosion, fading and scratches.**

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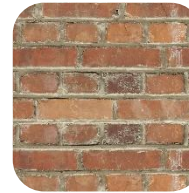
Wood:
Horizontal



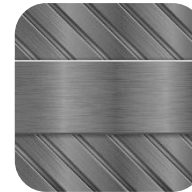
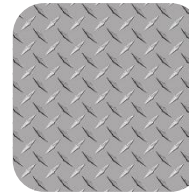
Wood:
New Options



Brick & Stone



Metal &
Geometric



Complete Door
Designs



axpanel System

- axpanel computer management system
- Panel preparation:
 - Panel sanding equipment
 - Vacuum system to remove dust and particles
- Printing and ink curing:
 - Printhead carriage with print heads and ink curing light
 - Optical control equipment
 - Z-axis vacuum table
 - Air filtration and ventilation system
- Lacquer spray application:
 - Lacquer spraying box (axlacquer box)
 - Water filtration system
- Drying room equipment:
 - Computer controlled panel racking system
 - Panel drying racks
- Conveyors + access hatches between production processes

Production Process

- Panel preparation: light sanding and cleaning
- Printing and ink curing: panel position check and measurement, panel rotation of 90° for 4-pass printing of the bottom edge, panel rotation back to the flat position, several printing passes of the panel face
- Lacquer: panel sprayed with protective lacquer
- Drying: panel automatically racked in the drying room
- Removal: panel automatically unracked and moved out of the drying room by the computer management system

Panel Preparation



Printing & Ink Curing



Lacquer Application



Panel Drying Room



axpanel Computer System





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