

axpanel basic

Sectional Door Panels
Digital Inkjet Printing

basic

the lowest cost axpanel system

50% of the speed

50% of the investment

100% of the print quality

Digital Printing — The Future for Garage Doors

axpanel basic vs. standard systems

Introduction

- Basic is the **lowest cost version** of the axpanel digital printing technology system
- **Same print quality and design capabilities** as standard axpanel systems:
 - 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!
- Production rates are 40 – 65% slower than the low volume standard system
- Two production rate versions available:
 - 8-print heads: \approx 35% rate vs. low speed standard system (6 vs. 17 panels per hour)
 - 16-print heads: \approx 60% rate vs. low speed standard system (10 vs. 17 panels per hour)
- **Upgrade the 8-print head version to 16-print heads at any time** by adding 8 additional print heads
- Basic version does not include:
 - Panel preparation module and conveyors
 - Lacquer application module (axlacquer box)
 - Panel drying room automated racking system

Panel Preparation Module: not included

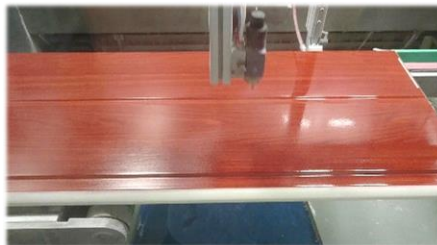
- Panel cleaning and preparation is required before digital printing
- axpanel standard preparation module equipment:
 - Rotary anti-static brushes
 - Vacuum to remove dust and particles
 - Air knife to remove dust and particles
 - Conveyor and transfer hatch for moving panels to the printing clean room
- Supply options for panel preparation equipment:
 - Use similar equipment (customer supplied)
 - Prepare panels manually with basic equipment (customer supplied)
 - axpaint box panel preparation module can be used if customer has the axpaint box system (note: same preparation module is a component of the axpanel digital printing system)



axpanel basic vs. standard systems

Lacquer Application Module (axlacquer box): not included

- Lacquer spray application is required after digital printing to protect the ink
- axlacquer box is the name for the lacquer application module in the axpanel system
- axlacquer box is a complex system with many sub-modules and components — the purpose is to spray lacquer on the exterior panel face after digital printing
- Supply options for lacquer spray application:
 - Manually spray lacquer using customer's painting equipment (additional spray equipment may be required)
 - The axpaint box system for high speed panel painting has an optional lacquer application module. axpaint box customers can add the lacquer module.



Drying Room Equipment: not included

- Drying room equipment is not required for digital printing of panels, but reduces labor and eliminates workers' exposure to chemicals from drying lacquer
- axpanel standard drying room equipment:
 - Computer managed panel racking system
 - Panel drying racks
 - Conveyor + exit hatch for completed panels
- Supply options for drying room equipment:
 - Use similar equipment (customer supplied)
 - Manually rack and unrack panels
 - Purchase one or more of the axpanel drying room equipment components



axpanel Production Rates by System Panel Length: 4.000 mm						
axpanel systems		axpanel basic		axpanel standard		
		8-Print Heads	16-Print Heads	Low	Medium	High
Number of printhead carriages		One	One	One	Two	Three or Four
Printhead type		Standard	Standard	Standard	Standard	Advanced "E"
Time per panel		600 sec	360 sec	240 sec	90 sec	45 sec
Number of panels	per hour	6 pcs	10 pcs	15 pcs	40 pcs	80 pcs
	per 8-hour shift	48 pcs	80 pcs	120 pcs	320 pcs	640 pcs
Linear meters	per hour	24 lm	40 lm	60 lm	160 lm	320 lm
	per 8-hour shift	192 lm	320 lm	480 lm	1.280 lm	2.560 lm
Square meters: 500 mm panels	per hour	12 m ²	20 m ²	30 m ²	80 m ²	160 m ²
	per 8-hour shift	96 m ²	160 m ²	240 m ²	640 m ²	1.280 m ²
Square meters: 610 mm panels	per hour	15 m ²	24 m ²	36 m ²	97 m ²	195 m ²
	per 8-hour shift	120 m ²	192 m ²	288 m ²	776 m ²	1.560 m ²



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