

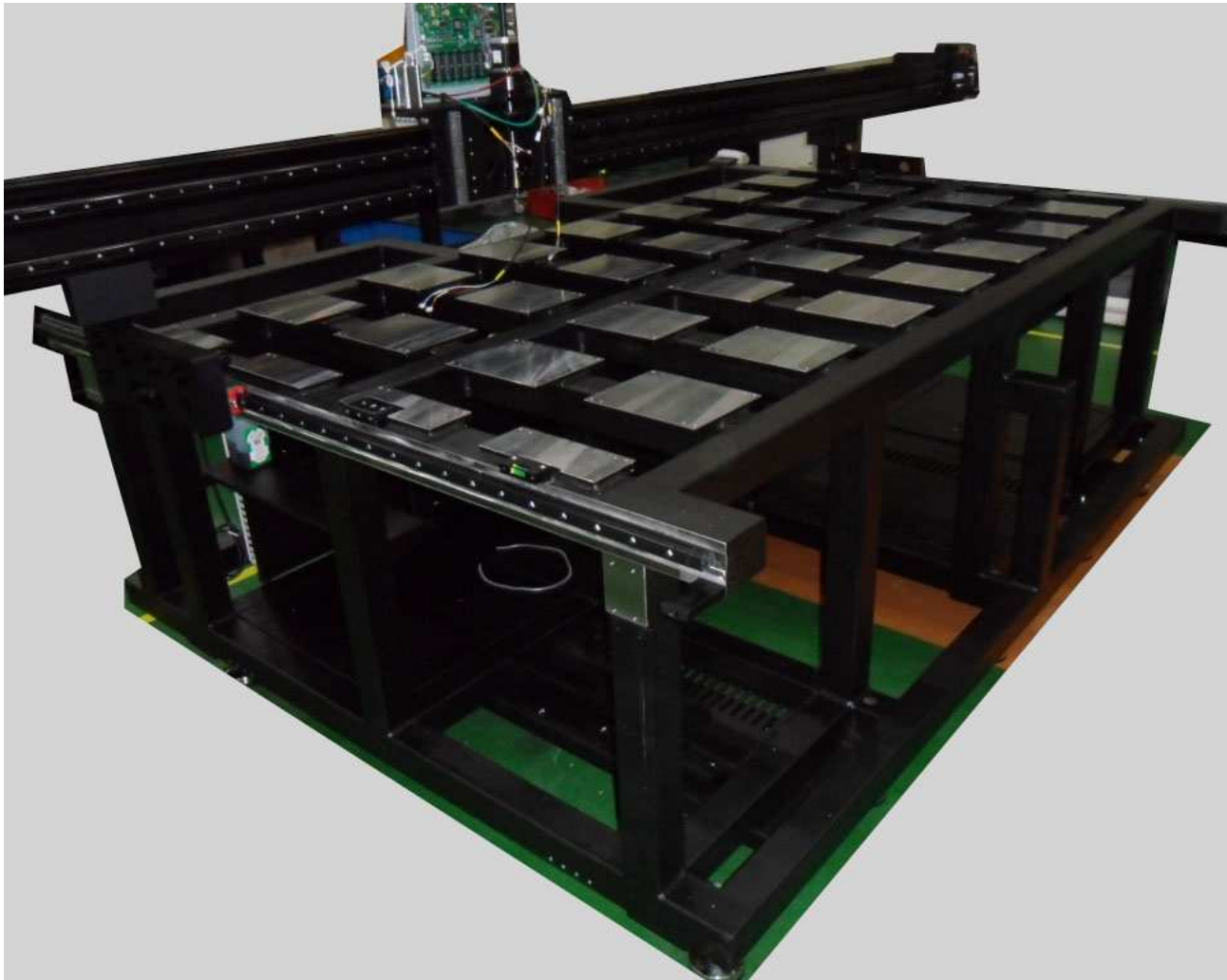
Agfa Anapurna 2540i FB



Anapurna M2540i FB

Rock Solid Flatbed System with the Best Print Heads on the Market

Robust, stable and reliable Frame and beam



Robust Engineering



- 5' X 8' True Flat Bed Printer
- Heavy Steel Frame eliminates vibration & static
- Precision welded to extremely tight tolerances
- A Solid base for quality imaging
- Reinforced beam structure designed to counter distortion
- Assures stable shuttle movement
- Enhances dot placement accuracy
- Built to Last – System Weighs 4200 Pounds

New Ink Delivery System



- New ink supply & management system
 - Easy accessible ink load system
 - Main ink-tanks: 4 L
- Sub ink-tanks mounted on print shuttle:
- Color: 35ml
- White: 60ml per head
 - Automatic refill system
 - Ink level indication
 - Stirring and circulation device for white ink



PIN REGISTRATION FOR ACCURACY



- Pin Registration System for Perfect Registration
- Retractable Pins for easy loading and unloading
- 7 Horizontal Pins
- 4 Vertical Pins
- Stationary Bed – Repeatability of **1 Micron**
- Printing multiple small or different sized jobs made easy
- Certified by “Human Eyes” for Lenticular Printing

Revolutionary Vacuum System

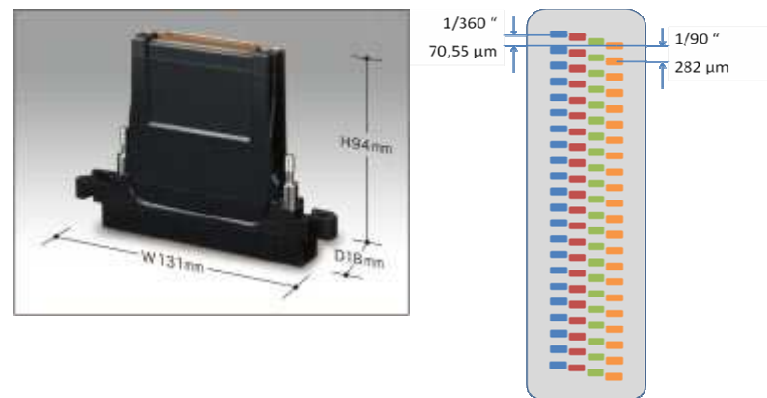


- Revolutionary & Versatile Vacuum System
- Table broken down into Two Zones
- 4 Vacuum Compartments in each Zone
- Total of 8 Vacuum Zones
- Insures Perfect Hold Down of All Media Types
- Use Different Sized Media without Taping
- Different Jobs on Same Bed with Perfect Vacuum
- Reverse Vacuum for Moving Heavy Media Easily

:Anapurna M2540i

- **New print heads**

- **“Konica Minolta KM1024i” head**
 - 4 nozzle rows per printing head
 - 4 rows of 90npi per row
 - 360npi native resolution per head
 - 6 color heads used binary with 12 pl droplets
 - 2 white heads used binary with 30 pl droplets



1024i Heads



- 6 Konica-Minolta 1024I Heads for Color (C,M,Y,K,LC,LM)
- 1024 Nozzles per Head for High Speed Output
- Produces Spot Sizes of 12 Picoliters
- 2 Konica-Minolta White Heads
- Produces Spot Sizes of 30 Picoliters
- Tremendous Control over curing
- Control Lead and Trail lamps Independently
- Control Gloss level of – from Mat to Glossy

Auto Print Height Adjustment



- Print Head Height Automatically adjusted to thickness of substrate
- Handles Substrates up to 1.77 inches thick
- Shuttle Safety Sensors on each side of head shuttle minimize the chance of head strikes
- Ionization bars on either side of the carriage remove static from media

Shuttle Safety & Head Protection



Shuttle Safety – Preventing Head Damage

- 4 emergency stops
- 2 optical sensors to secure safe shuttle movement
- Shuttle Safety Sensors on the shuttle
- Mechanical wing sensors
- Both sides of the shuttle
- Shuttle stops immediately - UV lamps are turned off.

2540i IQE



- **Intelligent Quality Enhancement**
 - Image enhancement method
 - Masking to improve image quality
 - Nozzles are mixed randomly to be printed with upper or lower half of the head
 - Referred to as Gradient Mask
 - Diffuse Edge of Head Pass
 - Soft Edge Eliminates Banding
 - Available in Random (Agfa Fine Mask can be installed) or Gradient Pattern
- **Multi-Layer Printing C+C / C+W / W+C / C+W+C**
 - Print head can be divided in several parts, and each part can be assigned to a different or identical (white) image
 - To be used for single run pre-white, post-white, high density, Three layer (sandwiched white) printing

2540i LED Curing

Agfa UV-LED Curing Module

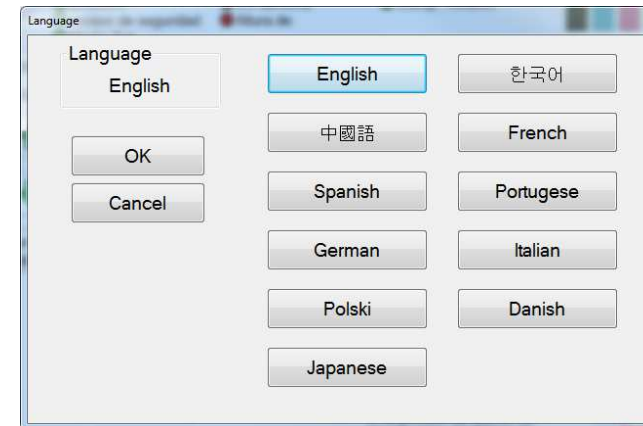
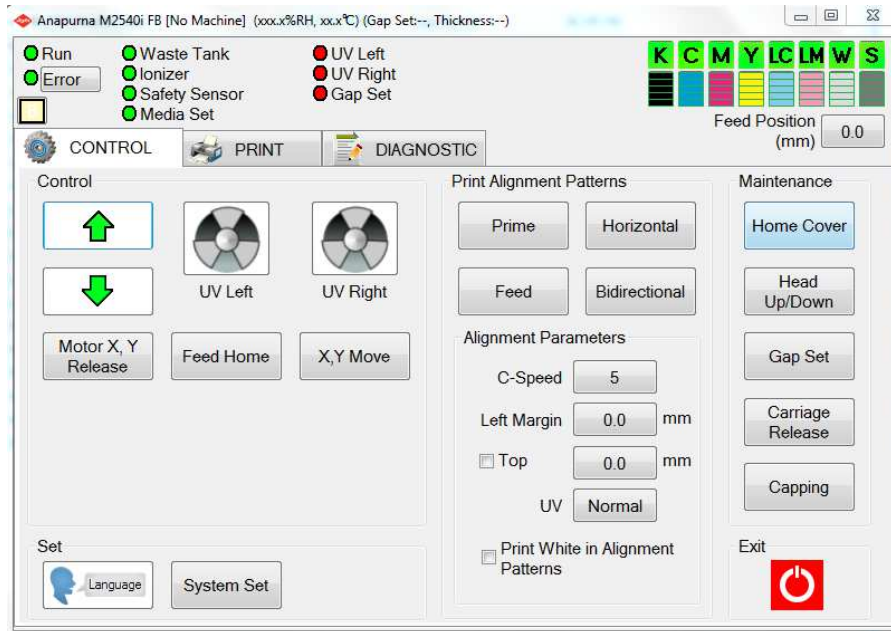
- Air cooled UV LED Curing Lamp
Peak Irradiance @ Wavelength = 16W/cm^2 @ 395nm
- With the following advantages:
 - No IR radiation and minimal heat transfer to the substrate
 - Approximately 50% of the heat generated by UV Bulbs
 - Consistent UV output over the operating life
 - UV-LED's offer uniform radiation across the exposure width
 - UV-LED's emit no harmful UVC and no ozone extraction
 - UV LED sources do not contain toxic heavy metals (mercury)
 - No warm up time – Instant on
 - Eliminates the Effect of Heat on Sensitive Substrates
 - Longer life expectancy 10,000 Hours (App. 5 years)



Anapurna M2540i FB Function

Improved GUI full support of the White Application Features

- Same user-friendly graphical user interface (i-Gui) as M3200i, M2500i, M2050i



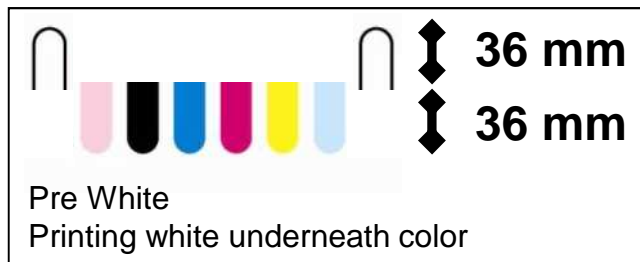
- Supporting **11 languages**
Chi - Spa - Eng - Por - Ita - Jpn - Ger - Fre - Pol - Dan - Kor
(→ additional languages can be integrated on request)
- **Job Log** is accesible for customers
→ total sqm printed, print time, ink consumption, printed modes,...

Multi Layer Printing

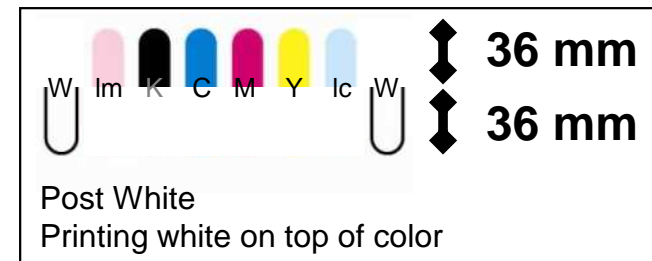
- New multi layer printing



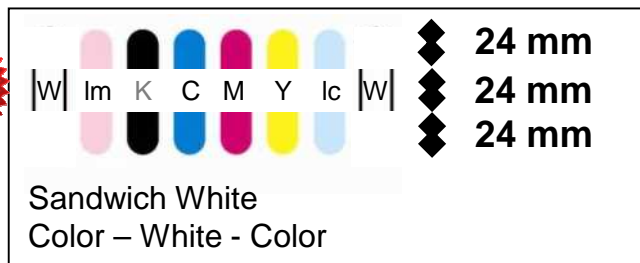
- **Pre white**



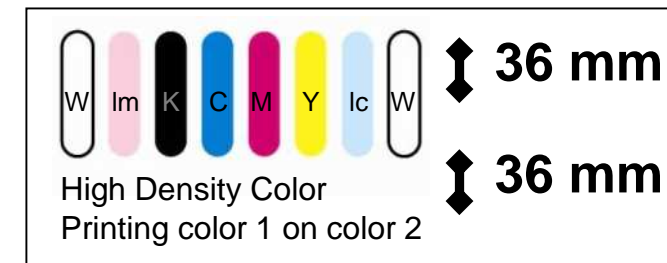
- **Post white**



- **Sandwich white**



- **High Density Color** (instead of double strike)



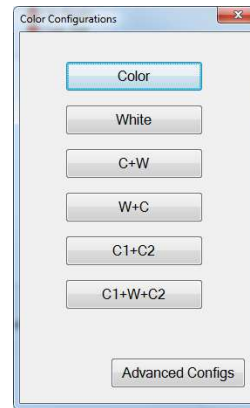
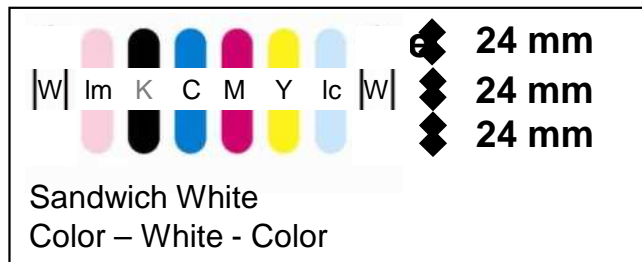
Multi Layer Printing



Improved GUI with full support of the White Application Features

- Multilayer Printing Features (printing in 1 run):

→ Pre White, Post White, Sandwich White, High Density Color for Backlit Appl.



HQ Profiled and Supported Layers

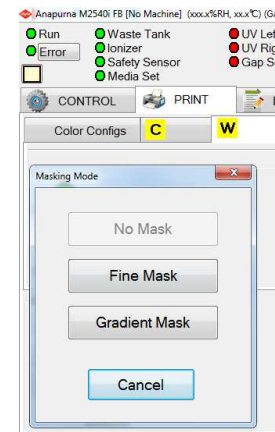


Advanced "Open" Layers

Different masking possibility in 1 print run

Black layer underneath the white nozzle test to enhance visibility

Reduced user errors (enhanced GUI / Workflow Connectivity)



Anapurna 2540i Print Speeds



Productivity

- Draft Mode – up to 1033 Square Feet Per Hour
- Express Mode – up to 800 Square Feet Per Hour
- Production Mode = up to 600 Square Feet Per Hour
- Standard Mode = 300 Square Feet Per Hour
- High Quality Mode = 180 Square Feet Per Hour
- High Quality – 2 Mode = 140 Square Feet Per Hour
- Photo Mode = 86 Square Feet Per Hour

INDUSTRY LEADING SERVICE



- Anapurna Systems Known for Quality and Reliability
- Agfa's has 150 Service Technicians Available to Insure Uptime
- Guaranteed Response Time
- Guarantee to get You running quickly if you go down
- Insure that system will have minimal down time.

PITMAN – AGFA TRAINING



- Pitman's Staff of Application Specialists
- On-site Application & Color Training
- Maximize your quality & productivity
- Profiling to Enhance Quality and Minimize ink usage
- Ensure the Best Quality and Adhesion
- Our training staff will help you insure you get the most out of your investment

Key Benefits to Agfa's Ink Technology

- Jetting Reliability
- Productivity, lower cost of waste
- Greater pigment load
- Thinner coating
- Better light transmission
- Wider color gamut
- Less banding – photo quality output
- Easier to laminate, cut, fold, flex



Key Benefits to Agfa's Ink Technology



- High pigment load ink enables lower ink usage while producing vibrant prints
- Lower ink usage/square foot = lower cost/square foot
- Anuvia ink sq/ft cost allows digital printers to be price competitive with traditional screen printers
- Ink Cost averages \$0.08 - \$0.12 per square foot
- Less than half the cost of most competitive systems