



# Anapurna H2050i LED

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## Overview

The wide-format hybrid Anapurna H2050i LED is a perfect fit for sign shops, digital printers, photo labs and mid-size graphic screen printers that want to combine board and roll-to-roll print jobs.

The 6-color engine prints at a width up to 2.05 m and combines high quality with high productivity for outdoor and indoor, rigid and flexible wide-format jobs. With the automatic board feeder, productivity is increased even

more. The white ink function creates possibilities for printing on transparent material for backlit applications or for printing white as a spot color.

The Anapurna H2050i LED is fitted with air-cooled UV LED lights that save you energy, costs and time. Due to their minimal energy output, these LED lights are ideal for thin heat-sensitive materials. They also lead to faster operations as they can be switched on and off instantaneously.

### **Download**

- [Anapurna H2050i LED brochure \(English\)](#)

## Key Benefits

- High-quality printing on a wide range of uncoated rigid media as well as on roll media
- Robust industrial engineered concept fit for sustained higher workloads
- UV LED lamps that enable printing on thermally sensitive materials and save costs, time and the environment
- High productivity—enhanced even more by multiple board printer and an automatic board feeder
- UV LED ink for fast drying, material versatility and a very wide color gamut
- Printing pre- and post-white in one run

## Features

### **Solid design for great accuracy**

Thanks to a reinforced belt drive and shuttle beam, the Anapurna H2050i LED printer brings a highly accurate dot positioning and thus excellent image quality, which is further enhanced by the gradient and multi-layer functionality. The eight 12 picolitre heads guarantee printing of good solids, fine text reproduction of up to 4 pt, good tonal rendering and low ink consumption.

### **UV LED lamps that save time, costs and the environment**

The Anapurna H2050i LED is fitted with air-cooled 16 Watt/cm<sup>2</sup> UV LED lamps, which results in a number of unique advantages related to generating extra business, cost savings and environmental friendliness. These include a wider applications scope, higher productivity and less power consumption.

[Read more about the unique advantages of LED technology.](#)

### **Latest generation of fast-firing print heads**

Incorporating the latest generation of fast-firing print heads, the Anapurna M2050i offers an impressive throughput. The machine enables you to maintain a high print production on all substrates, satisfying even your most demanding customers.

### **Multiple board and automatic board printing**

The printer can have an automatic board feeder added in order to increase productivity substantially. This optional table provides an automated solution for volume printing of small board sizes — up to 4 boards can be printed in parallel. The borderless printing feature makes post-finishing superfluous.

## Flawless media handling

Media loading is smooth and accurate thanks to automated features such as the media registration bar and head height adjustment. The automatically controlled vacuum system, consisting of four zones, delivers an equal vacuum during the printing process, whether printing roll or rigid materials. This ensures flawless media transport, giving accurate print results at all times.

## Ink monitoring

During production the ink levels are monitored by the automatic ink refill system. The ink (re)filling system can be accessed easily, enabling a spotless refill of your ink containers. The white ink is managed by a fully separate system (circulation, under-pressure regulation and cleaning circuit). The tank containing it is equipped with a stirring mechanism to keep the ink properly mixed at all times.

## More Features

- Reinforced beam for accurate dot placement
- Automated media positioning bar mounted on table for the registration of rigids
- Shuttle safety sensors to prevent print heads from touching the substrate
- Ionization bar mounted on each side of the carriage to remove electro-static charges on the substrate
- Powerful fastscan motor
- Straightforward graphic user interface in a swivel-arm mounted touchscreen
- Internal bitmap server with a HD of 1 TB for ripped images for fast spooling and secure transfer of big amounts of data
- Network and USB3 (2) connection

## Applications

- Banners, posters, exhibition graphics, POP, mock-ups, backlit, frontlit, self-adhesives (labels)
- Niche applications: DVD printing, wood, art reproductions, personalized object printing...
- Party gadgets (beer coasters...)
- Architectural and interior decoration, ceramics printing

## Technical Specs

<b>Media &amp; Printing Specifications - Rigid media</b>	
Maximum width	205 cm (6.7 ft) 200 cm (6.6 ft) with borderless printing
Maximum length	3.2 m (10.5 ft) – 4 rigid tables (2 rear & 2 front)
Minimum size	A2, landscape
Thickness	Minimum thickness: 1 mm (0.04") Maximum thickness: 45 mm (1.77")
Maximum weight	10 kg/m <sup>2</sup> on printing table (22 lb)
<b>Media &amp; Printing Specifications - Flexible media</b>	
Maximum width	205 cm (6.7 ft)
Maximum length	n/a – restricted by weight and diameter
Thickness	Min. 0.2 mm
Maximum weight	50 kg (110 lb)
Maximum roll outside diameter	Support for 3" core-media rolls with maximum outside diameter 36 cm (14.17")
Borderless printing flexible media	200 (6.6 ft)
<b>Productivity</b>	
Draft mode	Up till 104 m <sup>2</sup> /h (Up till 1.119 ft <sup>2</sup> /h)



Express mode	64-71 m <sup>2</sup> /h (689-764 ft <sup>2</sup> /h)
Production mode	32-52 m <sup>2</sup> /h (344-560 ft <sup>2</sup> /h)
Standard quality mode	19-28 m <sup>2</sup> /h (204-301 ft <sup>2</sup> /h)
High-quality mode	14-15 m <sup>2</sup> /h (151-161 ft <sup>2</sup> /h)
High-definition mode	8 m <sup>2</sup> /h (86 ft <sup>2</sup> /h)
<b>Print Heads &amp; Inks</b>	
Print heads	<ul style="list-style-type: none"> <li>• 6 Konica-Minolta KM1024i-heads: 1024 nozzles/head with a droplet volume of 12 pl (colors)</li> <li>• 2 Konica-Minolta KM1024i-heads: 30 pl (white in line)</li> </ul>
Inks	CMYKLcLm + white
<b>Image &amp; Text Quality</b>	
High-quality prints	Up to 720 x 1400 dpi
Text quality	Positive: 4 point / Negative: 6 point
<b>Engine Weight &amp; Dimensions</b>	
Printer dimensions (H x W x L)	169 x 458 x 154 cm (67 x 180 x 61")
Weight	1800 kg (3968 lb)
<b>Electricity &amp; Compressed Air</b>	
Electricity	380 V 3-phase star connection with Neutral wire  (3x 32A*) 50/60Hz  230V 3-phase delta connection without Neutral wire

	(3x 30A*) 50/60 Hz
Compressed air	Oil-free 5-30 l/min @6bar
<b>System Integration RIP / Workflow Software</b>	
Integrated production solution with Asanti, third-party RIP integration possible	

## **Availability**

### **North America**

Available in this region

### **South America**

Available in this region

### **Europe**

Available in this region

### **Asia**

Available in this region

### **Africa**

Available in this region

### **Oceania**

Available in this region