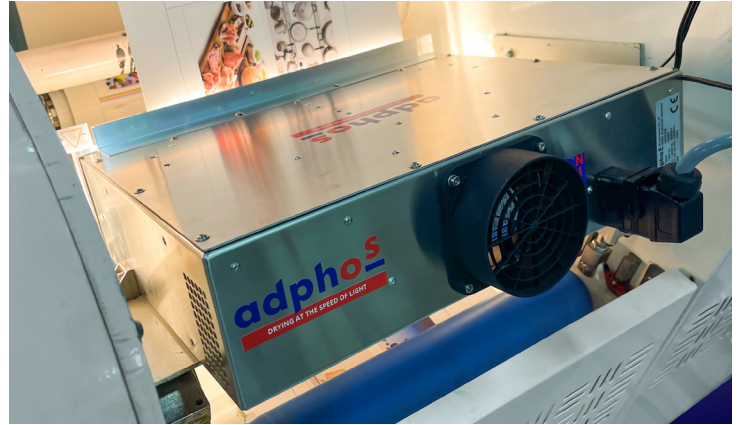
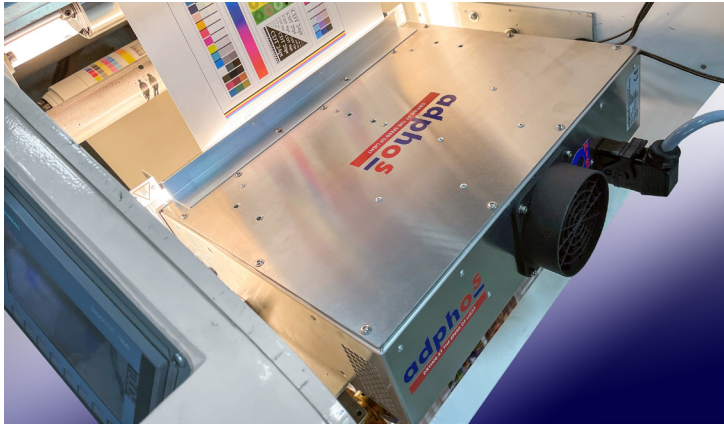


# adphos NIR30-375-E

Maximum performance with the smallest footprint using aNIR® Technology



## Product Description

The NIR30-375-E is a compact, high-performance, and programmable drying solution which was developed for the drying of water based inks, primers and post-coats for roll and sheet-fed applications up to a 13" (330 mm) width. Additionally, the NIR30-375-E can be used as a booster to increase productivity and drying efficiency on narrow web flexo presses and other printing and coating processes.

The NIR30-375-E utilizes patented aNIR® (advanced Near InfraRed) technology which combines warm impingement air and moisture removal with Near InfraRed radiation to provide maximum efficiency with the smallest footprint. aNIR® Technology from adphos targets the water molecules for evaporation and subsequent extraction with minimal heating of the substrates making them ideal for temperature sensitive applications. Status indicators for input signals and error management make for enhanced ease of use and user friendly operation. The NIR30-375-E offers more options, higher productivity, and ease of integration while offering a return-on-investment in a matter of months.

## Integrated Flexibility

The NIR30-375-E, with USB connectivity, allows customized programming for seamless electrical integration to permit tailored performance to meet your specific requirements.

With the advanced adphos PowerCurve Controller, up to four NIR30-375-E's can be individually programmed and controlled from one location. As an example, several units could be operated for different processes on a single line for the drying of substrate primers, inks, and protective overcoats in a single pass. The compact "one-piece" design provides the ability to mount the dryer for placement nearly anywhere. For greater flexibility, additional options include Back Reflector, PowerCurve, Tachometer Kit, WINNIR software and more.

## Lower Cost

You can now own a superior adphosNIR® dryer for a lower initial investment than systems that offer fewer benefits and performance. This combined with reduced power consumption and significantly minimized "thermal strain" on transports and belts, NIR30-375-E dryers provide a lower total cost of operation than other systems.

## Specifications

Drying Dimensions:	14.76" (375 mm) x 1.18" (30 mm)
Size: (W x L x H)	17.52" (445 mm) x 4.43" (110 mm) 15.04" (382 mm)
Number of Emitters:	2
Power:	6.5 kW
Current:	230V +/-10% 50/60Hz 27 A - Requires disconnect to supply power to the NIR30-375-E cable
Input Fan Location:	Internal
Output Fan Location:	Internal
Exhaust Flange:	4" NPS (DN100)
Exhaust Output:	124 cfm (210 m³/h) Temperature approx. 140 °C (60 °F) Max. back-pressure (static) at exhaust air flange: 0.4" of water (100 Pa)
Operational Ambient Temp.	Max. ≤86 °F (30 °C)
Production "ON"	Dry Contact or 24 VDC, 24 AC,
Input Signal:	110 VAC with I/O Box
Internal Power Adjustment:	Control knob
External Power Adjustment:	0-10 VDC (Custom settings available)
Emitter Orientation:	Horizontal to ground

## Scope of Supply

- adphosNIR® Module
- Power Cord

## Accessories

- Back Reflector
- AC/DC to Dry Contact Control Box
- Tachometer Kit (Low or High speed)
- PowerCurve Controller
- WINNIR Software

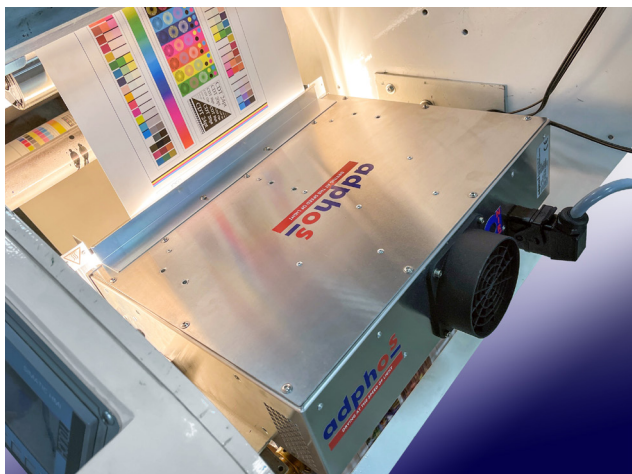
## CE-compliant

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# adphos NIR30-375-E

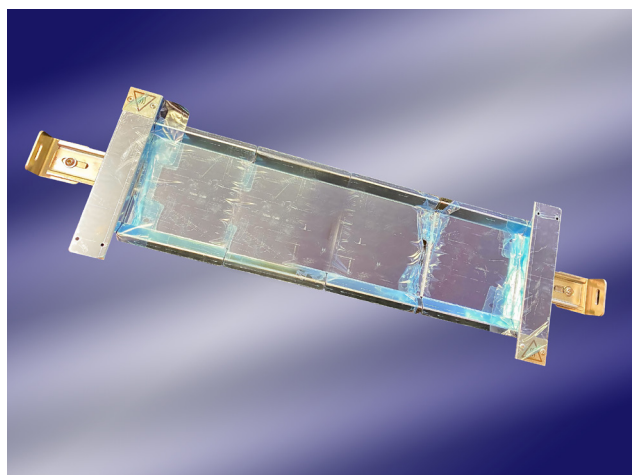
## Components and Accessories



NIR30-375-E Module



Power Cord



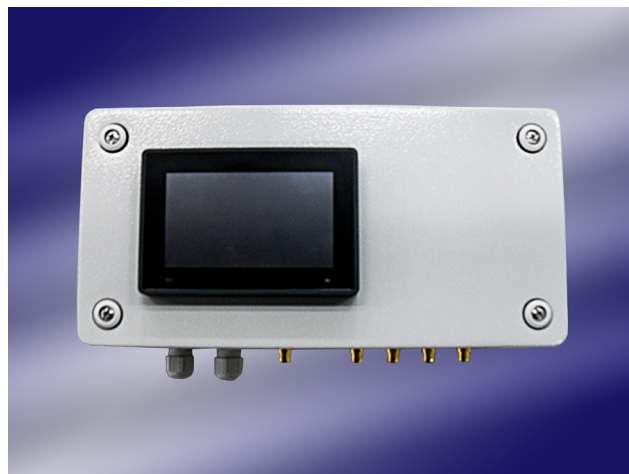
Back Reflector



AC/DC to Dry Contact Conversion Box



Tachometer Kits



PowerCurve Controller

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