

NIRWeb-IV

A Superior Inkjet Drying System with On-Board Electronics and Cooling



NIRWeb-IV drying systems are modular, ultra-high performance and programmable drying solutions for web-fed applications and are ideal for high speed inkjet drying and the drying, sintering, and curing of conductive or resistive inks, adhesives and other coatings.

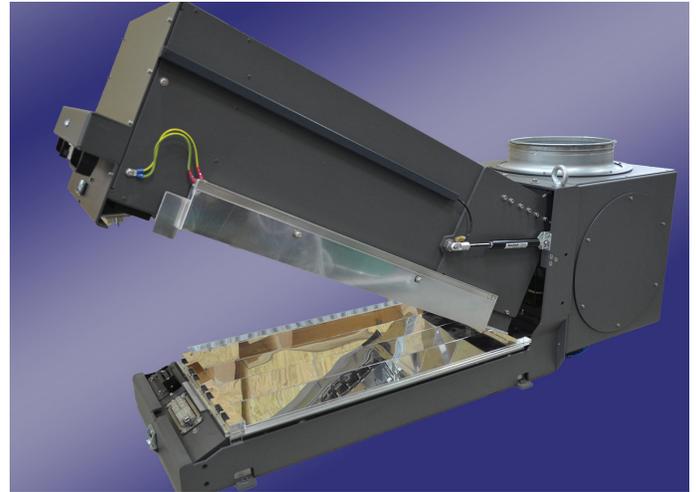
NIRWeb-IV systems contain a closed adphosNIR® radiation chamber, tightly controlled air management and integrated hot air knives to maximize drying performance in a small footprint. adphos NIRWeb-IV drying systems offer more options, higher productivity, easier integration, lower cost of operation and smaller footprints compared to conventional IR, hot air, heated drum, gas, or microwave drying systems.

Productivity

On even the most demanding applications, including those on high gloss, overcoated and temperature sensitive substrates, adphos NIRWeb-IV inkjet drying systems are capable of drying at speeds in excess of 3,000 fpm (914 mpm).

Flexibility

NIRWeb-IV systems are available for standard web widths of 20" (508 mm), 26" (672 mm) and 40" (1,008 mm) with 1, 2, 3 or 4 emitter banks and custom widths are available. Additionally, there are different emitter powers to meet a wide variety of applications. NIRWeb-IV systems are compact and can be mounted for vertical, horizontal, or angled web path configurations and the on-board electronics and cooling systems allow for quick and easy portability within your facility.



Specifications for NIRWeb-IV inkjet drying systems:

Drying width(s):	Fully configurable to 40" (1,008 mm) - Custom Widths Available
Drying Speeds:	Fully configurable to \geq 3,000 fpm (914 mpm)
Single Dryer Module Dimensions:	L - Web Width Dependent x W - 23.62" (600 mm) x H - 23.62" (600 mm)
Number of Emitter Modules:	1, 2, 3 or 4
Mounting Orientation:	\pm 90 degrees from emitter down position for vertical, horizontal or angled web configurations.
Power:	380 VAC - 480 VAC (50/60 Hz). Amperage is application and dryer size dependent. Zoned emitter power across the web.
Emitter Power:	2.5 kW standard, other emitter powers available. 1 emitter covers 1.65" (42 mm) width across the web
Internal Signals:	Manual Power Adjustment via Touch Screen Automatic Power Adjustment via Speed Control Optional Automatic Power Adjustment via Pyrometer
External Signals :	Emergency Stop Interlock (On/Off)

Options:

Various Emitter Powers