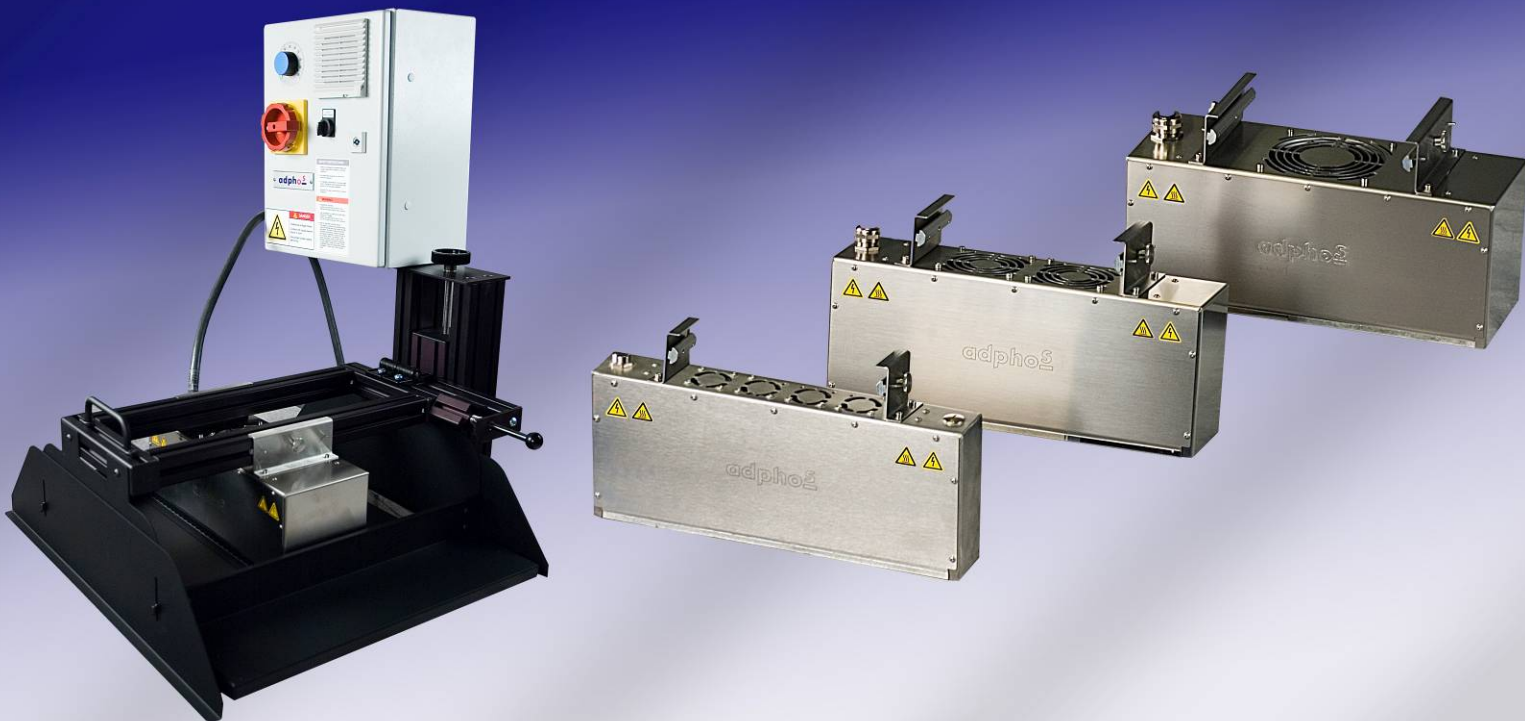


# NIR40 – NIR80 – NIR120

## A Superior Drying Technology for Water-Based Inkjet



NIR40, 80 and 120 are cost effective, high performance drying systems for water based continuous and drop-on-demand (DOD) inkjet systems which provide greater productivity and flexibility with reduced operating costs compared to traditional infrared drying systems.

### Productivity

With \_\_nir® inkjet drying systems you are assured greater productivity and throughput on even the most demanding of water based inkjet applications including those on high gloss, overcoated and temperature sensitive substrates. \_\_nir® inkjet drying systems deliver the energy you need, where you need it by utilizing near-infrared technology which focuses the energy on the ink and not on the substrate resulting in less curl and easier to run and handle substrates. Additionally \_\_nir® drying systems minimize air flow which reduces downtime through improved paper handling. Greater productivity is also achieved with tool-less module positioning and lamp replacement.

### Flexibility

To accommodate a variety of different printhead widths, \_\_nir® systems come in three standard drying sizes and can be mounted on sheetfed or web based transports for in-line, near-line, or off-line inkjet applications. With a small footprint and the ability to mount the drying modules in any position, \_\_nir® systems offer the utmost in configurable options to change and grow with your business.

### Reduced Operating Cost

Depending on your requirements, \_\_nir® inkjet drying systems can reduce your electrical expenditures for inkjet drying by more than 70% because NIR40, 80 and 120 utilize ultra-efficient \_\_nir® energy and a patented reflector system which reflects >98% of the energy to where it is needed.

### Specifications for NIR inkjet drying systems

|                                |  |
|--------------------------------|--|
| Drying width(s)                | NIR40 - 1.57" (40mm)<br>NIR80 - 3.15" (80mm)<br>NIR120 - 4.72" (120mm)   |
| Drying length                  | NIR40, NIR80, and NIR120 - 10" (250mm)   |
| Dryer Module Size              | NIR40 - 1.77" x 15.75" (45mm x 400mm)<br>NIR80 - 3.35" x 15.75" (85mm x 400mm)<br>NIR120 - 4.92" x 15.75" (125mm x 400mm)                        |
| Power Cabinet Size             | 15.75" (400mm) L x 11.8" (300mm) W x 8.3" (210mm) D  |
| Number of emitters             | NIR40 - 1<br>NIR80 - 2<br>NIR120 - 3   |
| Power Current                  | 220 - 240VAC (50/60 Hz)<br>NIR40 - 11 amps<br>NIR80 - 22 amps<br>NIR120 - 33 amps  |
| Interlock Relay                | 24 VAC, or 24 VDC, or 120 VAC  |
| Internal Signals               | On/Off Switch<br>Manual Power Adjustment via Potentiometer<br>Optional Automatic Power Adjustment via Tachometer                                 |
| External Signals               | Emergency Stop<br>Interlock (On/Off)   |
| Site Requirements              | 240VAC single phase 15-35 amp service<br>Electrician installs a 240VAC 15-35 amp power cord, connects wiring between power control and transport |
| Dryer Module Mounting Angle(s) | Any  |

### Components

Power Cabinet, Emitter Module, Mailbase Mount, Light Shield, and Electrical Cord

### Options

Tachometer Assembly, Emitter Extraction Tool

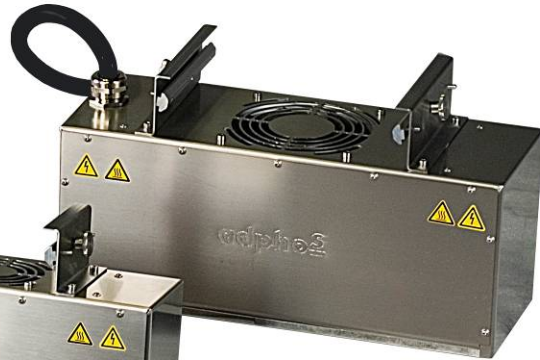
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Specifications subject to change without notice.

# NIR40 – NIR80 – NIR120 Components



725646 - PS 2.5 NIR40 Power Supply  
 725647 - PS 5.0 NIR80 Power Supply  
 725650 - PS 7.5 NIR120 Power Supply



725651 – NIR120 Emitter Module



725645 – NIR80 Emitter Module

725635 – NIR40 Emitter Module



123449 – 20" Maitable Mount (black)



725658 – Tachometer, Mounting Kit & Cables



123448 – Light Shield (black)

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