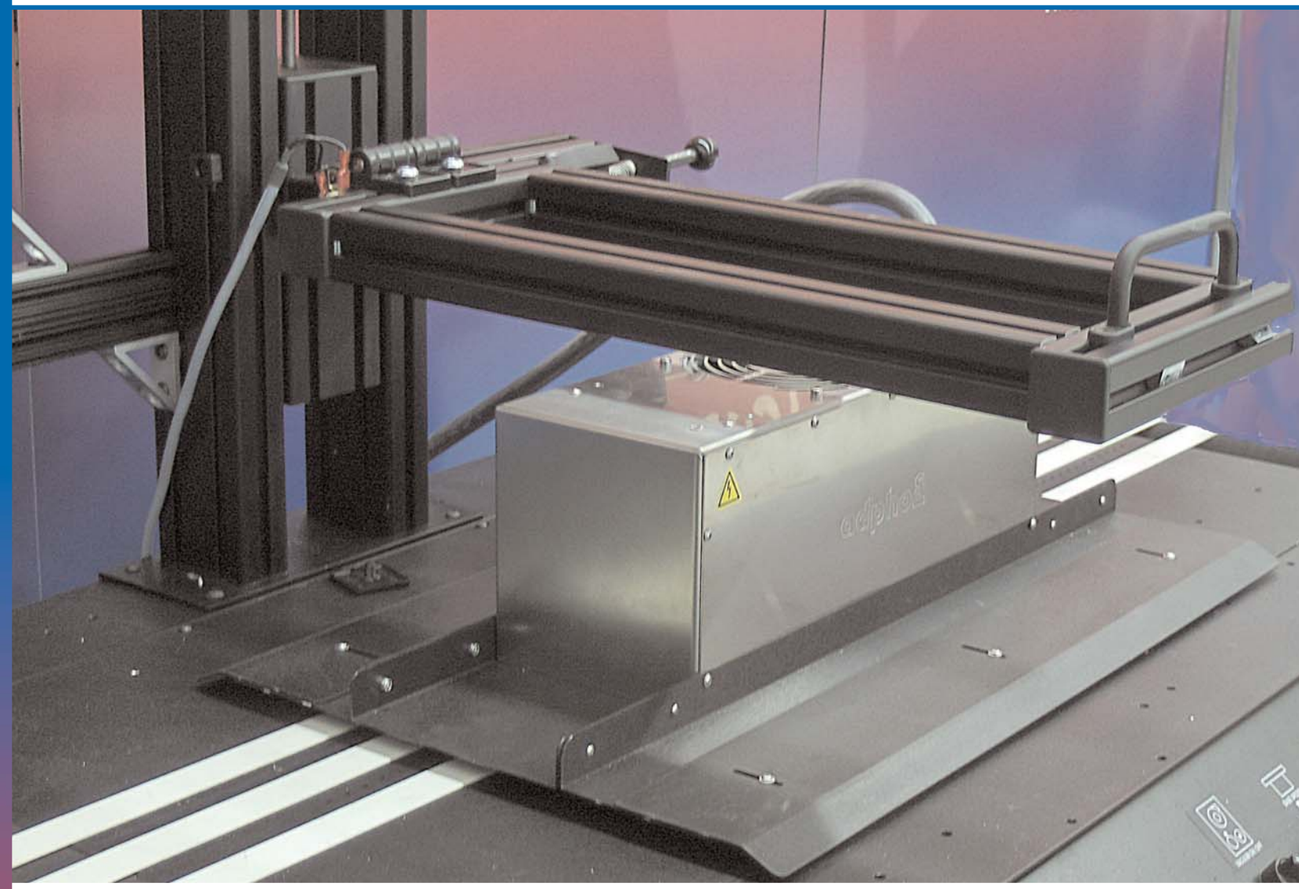
MCS
INCORPORATED

S-800 DRYER
NEXT GENERATION
NIR TECHNOLOGY



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inkjet technology by hp invent

A New Technology for HP Based Inkjets

25-50% more effective than IR Dryers!

The S-800 is a cost effective, high performance drying system for HP based inkjet printing systems which provides greater productivity and flexibility with reduced operating costs compared to traditional infrared drying systems.

Productivity and Flexibility

The MCS S-800 Dryer brings new possibilities to HP based ink jet systems. Unlike traditional IR dryers, the MCS S-800 uses different energy waves which are much more effective at drying ink on the most challenging mail pieces and substrates. The S-800 allows customers to print on some glossy stocks that were never possible before with HP based systems at production speeds. Some aqueous stocks run 100% faster with production speeds of over 15,000 pieces per hour using the S-800 dryer.

How Does it Work?

The MCS S-800 Dryer uses energy waves that are much better suited to dry HP inks. The waves are absorbed more into the ink and less into the substrate. Unlike IR dryers, the S-800 energy also passes through the substrate and bounces off of the transport and hits the back of the ink drop. The results are faster drying times and more revenue opportunity from printing on a greater number of substrates.

Reduces Operating Costs

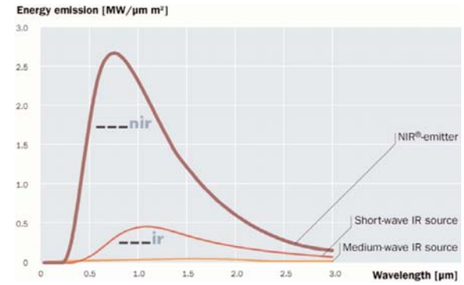
Depending on your requirements, the S-800 inkjet drying systems can reduce your electrical expenditures for inkjet drying by more than 30% because the S-800 utilizes ultra-efficient NIR energy which goes where it is needed.

RSI 715 Base Option

The S800 dryer is available on the mobile RSI 715 base which allows the most flexibility for different equipment around the mail shop.

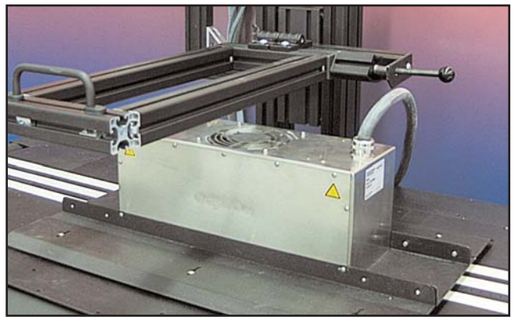
Specifications MCS S-800 inkjet drying systems

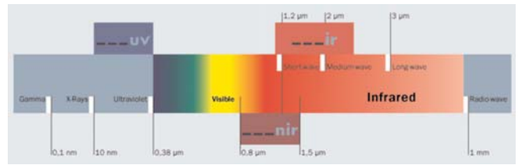
Drying width(s)	**4.72″ (120mm)**
Drying length	**10″ (254mm)**
Dryer Module Size	**4.92″ x 15.75″ (125mm x 400mm)**
Power Cabinet Size (210mm) D	**15.75″ (400mm) L x 11.8″ (300mm) W x 8.3″**
Number of emitters	**3**
Power	**220 - 240VAC (50/60 Hz)**
Current	**33 amps**
Interlock Relay	**24 VAC, or 24 VDC, or 120 VAC**
Internal Signals	**On/Off Switch Manual Power Adjustment via Potentiometer Automatic Power Adjustment via Tachometer**
External Signals	**Emergency Stop Interlock (On/Off)**
Site Requirements	**240VAC single phase 35 amp service Electrician installs a 240VAC 35 amp power cord, connects wiring between power control and transport**
Components	**Power Cabinet, Emitter Module, Mailbase Mount, Light Shield, Tachometer Assembly and Electrical Cord**



nir ® (NearInfraRed) technology enables application of the highest energy quantities on the greatest diversity of substrates

Absorption/Transmission of Energy for Inkjet Applications





Only S-800 technology has a peak irradiation wavelength of .8 µm
Most other inkjet drying systems use straight infrared at 2 µm and above.