

MCS

INDUSTRIAL INKJET TECHNOLOGY

MCS S-900 Dryer



A New Technology for Water-Based Inkjets

The MCS S-900 is a cost effective, high performance, compact drying system for water-based inkjet printing systems. The MCS S-900 provides greater productivity and flexibility with reduced operating costs compared to traditional infrared drying systems.

Productivity and Flexibility

The MCS S-900 Dryer brings new possibilities to water-based inkjet systems. Unlike traditional IR dryers, the MCS S-900 uses different energy waves which are much more effective at drying ink on the most challenging mail pieces and substrates. The MCS S-900 allows customers to print on some glossy stocks that were never possible before with the water-based systems at production speeds. Some aqueous stocks run 100% faster with production speeds of over 15,000-25,000 pieces per hour using the MCS S-900 dryer. The compact design allows the dryer to be mounted in almost any orientation for placement nearly anywhere.



How Does it Work?

The MCS S-900 Dryer uses energy waves that are much better suited to dry water-based inks. The waves are absorbed more into the ink and less into the substrate. Unlike IR dryers, the MCS S-900 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 MCS S-900 inkjet drying systems can reduce your electrical expenditures for inkjet drying by more than 30% because the MCS S-900 utilizes ultra efficient NIR energy which goes where it is needed.

MCS Base Option

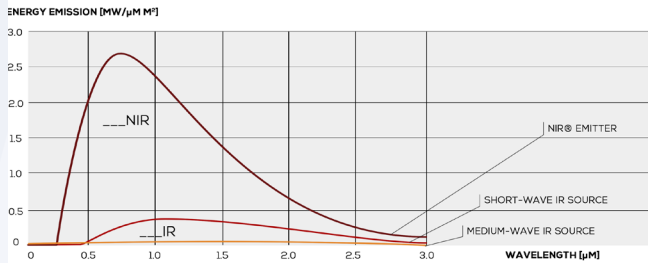
The MCS S-900 dryer is available on all MCS bases allowing the most flexibility for different equipment around the mail shop.



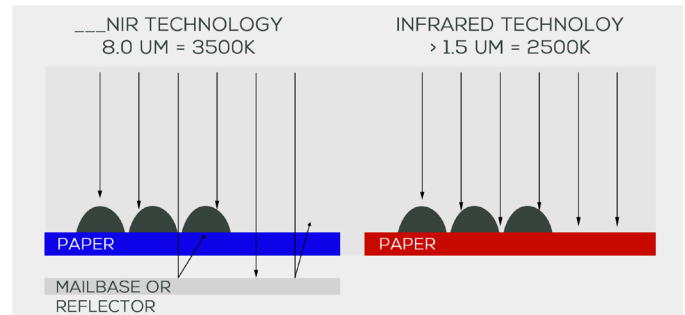
Specifications

MCS S-900 Inkjet Drying System

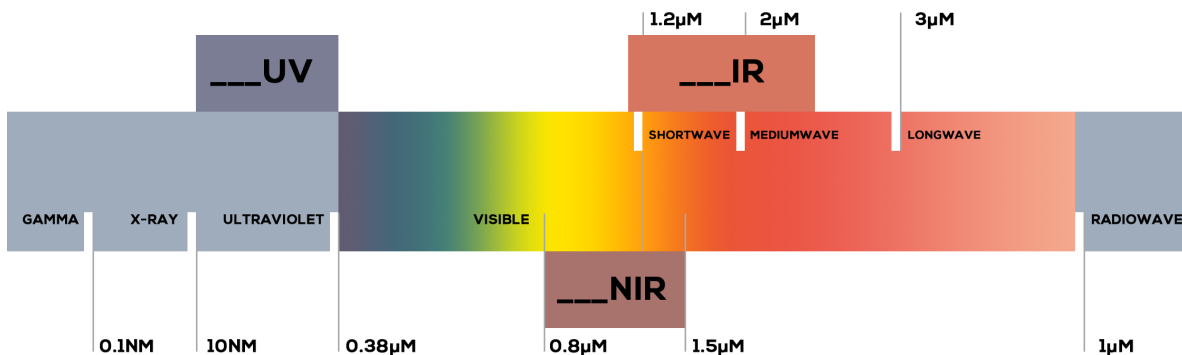
Drying Width(s)	4.88" (124mm)
Drying Length	12.99" (330mm)
Dryer Module Size	5.63"x14.57" (143mm x 370mm)
Number of Emitters	3
Power	208-230VAC (50/60 Hz) 5.8KW
Circuit	30 amps
Interlock Relay	24 VAC, or 24 VDC, or 120 VAC, dry contact
Internal Signals	On/off switch Manual power adjustment via potentiometer Automatic power adjustment via tachometer
External Signals	Emergency stop Interlock (on/off)
Site Requirements	208-230VAC single phase 30 amp service Electrician installs a 208-230VAC 30 amp power cord, connects wiring between power control and transport
Components	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-900 TECHNOLOGY HAS A PEAK IRRADIATION WAVELENGTH OF .8μM
MOST OTHER INKJET DRYING SYSTEMS USE STRAIGHT INFRARED AT 2μM AND ABOVE



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