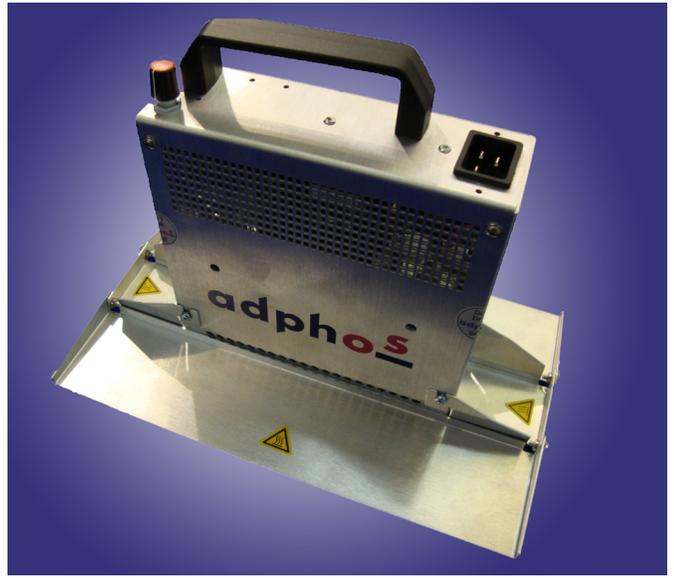


L-Series

Drying/Curing/Sintering Systems



The adphos L-Series is a family of compact, highly functional and flexible systems for the drying, curing and sintering of performance coatings, inks, paints, and adhesives. Primary market applications include digital, conventional, electronic and functional printing. The L-series product line utilizes patented adphosNIR® technology and offers more options, higher productivity, and easier integration, with a return on your investment in as little as three months. The compact size and flexibility of the L-Series systems makes mechanical and electrical integration onto existing transports, and within existing processes, both quick and easy. Additionally, L-Series systems can be combined with Adphos T-Series transport systems for complete turnkey drying, curing and sintering solutions.

Efficient and Effective Design

With adphosNIR® technology, you can quickly evaluate process parameters. Robust design allows use in production environments, with curing widths of up to 5" and transport speeds of up to 400 fpm. Straightforward design allows you to spend less effort on set up so that your time can be used for the job at hand.

Lower Cost

L-Series systems with adphosNIR® technology quickly dry/cure nano-inks and coatings on paper and films at a lower investment cost than other "low temperature" systems.

Specifications for L-Series Ink Jet Drying Systems:

L40-125 Energy Field	Width: 1.65" (42mm) Length: 4.92" (125mm)
L40-125 Emitters	1
L40-125 Power	500W or 1,000W
L40-125 Current	230V +/-10% 50/60Hz 5A
L120-125 Energy Field	Width: 4.88" (126mm) Length: 4.96" (125mm)
L120-125 Emitters	3
Max L120-125 Power	1,500W or 3,000W
L120-125 Current	230V +/-10% 50/60Hz 15A

Configuration Control

Option A - Potentiometer at module for manual power setting (70 to 100% power) and interface box to set timer and trigger to start thermal process

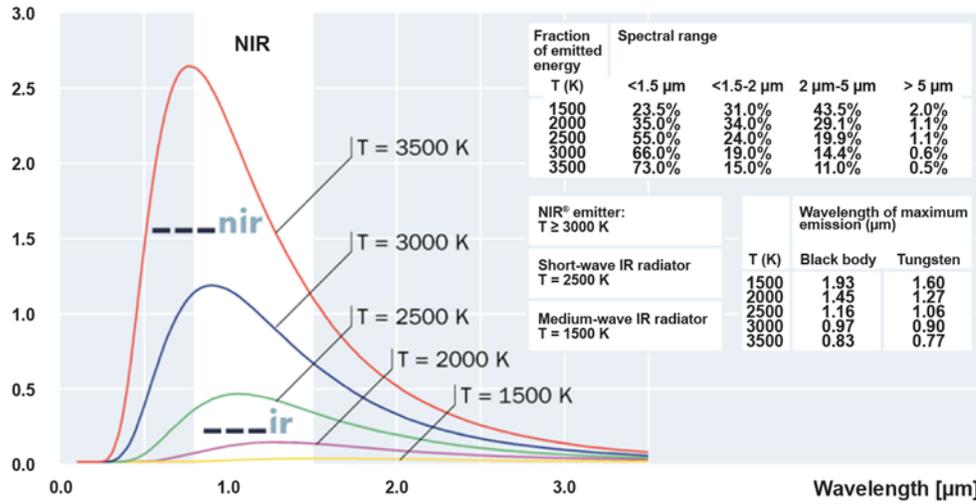
Option B - External module control (from Master HMI) to set trigger, power level and process time through external signals

Accessories

Optional Side Reflectors, Integrated Back Reflector

adphos

Spectral emission [MW / m²μm]



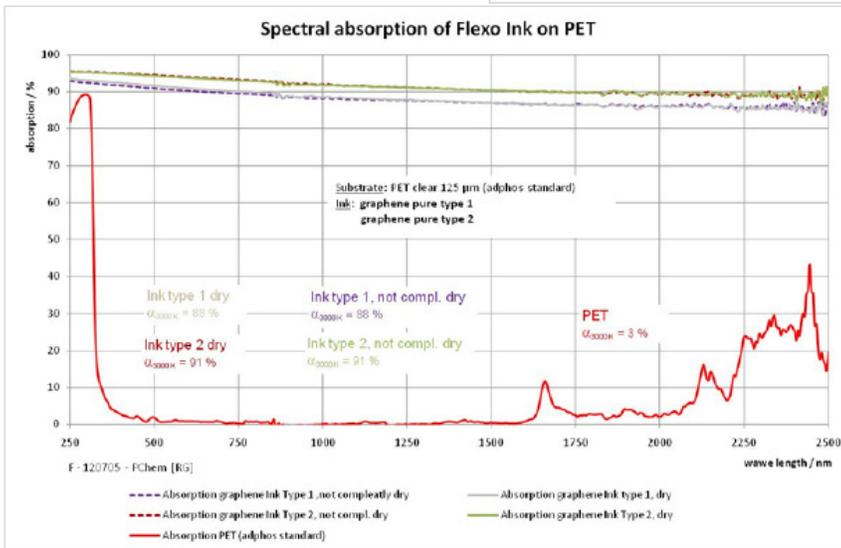
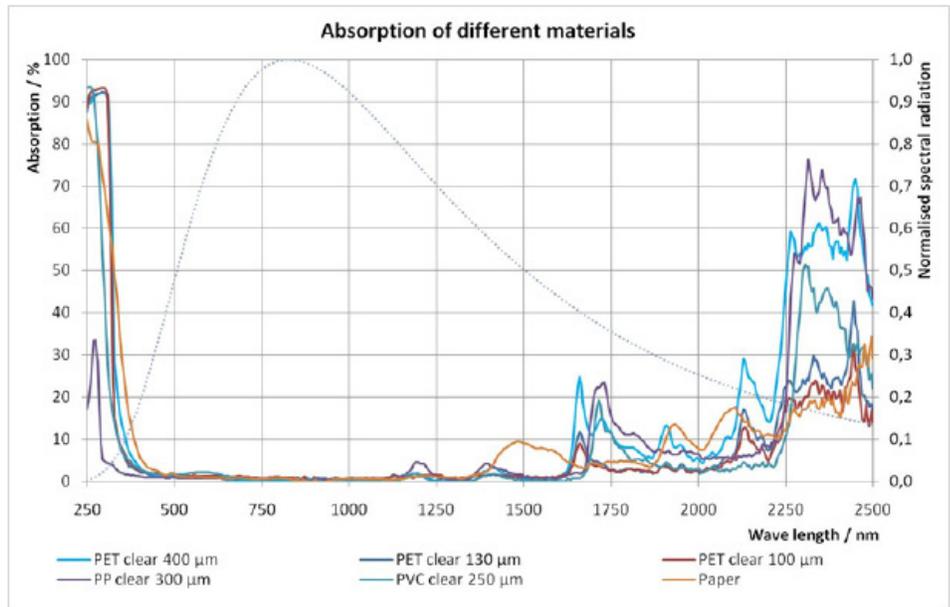
adphosNIR® is not just another IR-Technology

Ultra short wave length energy (T > 3,000 – 3,500°K)

Very high energy density up to 1,000 KW/m² (93 KW/ft²), ultimate 1,500 KW/m² (140 KW/ft²)

Highly focused reflector geometry

Many commercially available films are nearly transparent to adphosNIR® energy



adphosNIR® preferentially heats ink while minimizing direct heating of film or paper

