

Technical Specifications

Power	1350 watts	1350 watts	2000 watts	4000 watts
Dedicated Circuit	115 VAC, 20 amps 50/60 Hz	220 VAC, 15 amps +/- 10% 50/60 Hz	220 VAC, 15 amps +/- 10% 50/60 Hz	208-253 VAC 60Hz 20 amps
Receptacle	NEMA 5-20R	NEMA 6-15R	NEMA 6-15R	NEMA 6-20R
Infrared Lamp (Current Draw)	6.5 - 11 amps adjustable	3.0 - 5.5 amps adjustable	4.75 - 8.5 amps adjustable	9.5 - 17 amps adjustable
Lamp Life Expectancy	5000 hours per lamp	5000 hours per lamp	5000 hours per lamp	5000 hours per lamp
Compressor Outlet	5.8 amps @ 115 VAC	2.75 amps @ 220 VAC	2.75 amps @ 220 VAC	4.5 amps @ 220 VAC

Technical specifications are subject to change without notice.

Product Availability

A.B. Dick 8800 Series, 9800 Series, 9900 Series, 9985, 9890

Hamada RS34, VS34, C248, C252, H234

Heidelberg Quickmaster

Itek 960, 975, 985, 3985

Multigraphics 1100, 1120, 1450, 1650, 1960, 3850, 3875, 4610, 4620, Eagle

Ryobi 2800, 3200, 3200mcd, 3302, 3304

Toko 4750

Product availability will increase as new press fittings are complete. If your press is not listed, please call Airtech for availability.

United States Patent # 4,882,992



Airtech also manufactures a complete line of powder spray systems to meet your every need!



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Airtech® Ultair™ Dryers



Infrared &
Powder Spray
in One System!

Speed Drying by up to 75% and Dramatically Reduce Spray Powder Use!

Why Infrared?

Printers have long recognized the benefits of infrared (IR) drying on sheetfed presses. IR energy, when absorbed by a sheet of paper, is converted to heat. As sheets are stacked in the delivery, this heat is retained in the pile, accelerating the drying process through a chemical reaction called oxidation and reduction. According to GATF's Technical Services Report Number 25 "It is a general rule that chemical reactions go about twice as fast if the temperature is raised about 18 degrees F (10 degrees C). Thus an ink that would dry in 2 hours at 70 degrees F (20 degrees C) would be expected to dry in about 1 hour at 88 degrees F (30 degrees C) and about 1/2 hour at 106 degrees F (40 degrees C)." A copy of this report is free from Airtech just for the asking.

Benefits to Printers

What this means to a printer is simple: Increased productivity and profits! Imagine printing, cutting and delivering a 5000


piece multi-color job in one day! On multiple pass work, by the time you have washed up the press, hung new plates and attained registration, the job should be dry enough to send back through the press. Want more? The use of an Ultair dramatically reduces the need for spray powder, cutting your average use by 60 - 80 %. Some jobs, depending on the layout, ink coverage and stock, won't need any spray powder at all. Time and aggravation are saved by not having to stop the press to wash excess powder off the blankets on that second, third

or even fourth pass. This results in a cleaner, safer work environment where productivity soars and higher profits are realized from the day Ultair is installed in your shop!

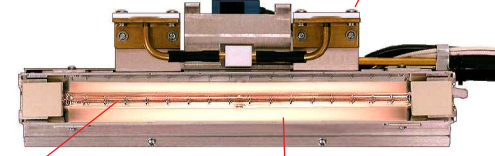
Built for Safety and Durability

Ultair was the first dryer on the market to carry both the CSA certification and UL listing under the Graphic Arts Equipment Standard 775. Multiple safety circuits, including jam and heat detectors, shut down the unit well in advance of any problems. And, Ultair is regulated to operate only during impression cycle. We're so sure of Ultair's performance and reliability that we sell each one with a 30 day performance guarantee and an 18 month warranty on all parts, except compressors and lamps, which are covered with a 12 month warranty.

Ultair's compact dry-bar mounts neatly in the chain delivery behind the paper stack and does not obstruct the operator's view of the job.



- Switches**
Separate controls give you a choice. Use ULTAIR'S infrared and powder spray systems together or separately to completely eliminate set-off.
- Intensity**
You get optimum infrared performance with ULTAIR'S range of lamp intensity. Intensity control makes it easy to adjust for variations in paper stock, press speed, and ink coverage.
- Air Blowdown Control**
Regulates volume of air flowing through the air blowdown tube. Air blowdown effectively eliminates paper roll and curl and aids in sheet delivery. (Not applicable on all models.)
- Length**
You can adjust ULTAIR'S powder spray duration to any size sheet.
- Auto-Speed Sensing**
Once spray length is set, ULTAIR senses changes in press speed and automatically adjusts to maintain original powder coverage.
- Powder Concentration**
You can adjust powder concentration from a fine mist to a heavy spray.
- Test LEDs**
ULTAIR'S indicators provide diagnostic assistance. LEDs indicate proper system function and an accurate signal from the press.



- Sensor**
A sensor monitors paper movement and shuts off the lamp one second after a jam is detected.
- Dry-Bar**
Every dry-bar is custom designed to fit each press model, taking into consideration lamp positioning, sprayer positioning, and press components that may be sensitive to heat.
- Lamp**
ULTAIR'S short wave lamp(s) heat quickly to rapidly achieve preset temperature level and also cool rapidly to maximize operator safety.
- Powder Spray Bar**
The combination of materials and unique nozzle design is the result of years of research and development aimed at preventing static related powder clumping and dropping to the sheet. The result is near perfect spray patterns and problem free performance.
- Lamp Chamber**
An aluminum housing functions as a convection cooling chamber for ULTAIR'S infrared lamp. Compressed air flows through the chamber and circulates around the lamp while vents in the cover direct the air away from the press cylinders and ink fountain. ULTAIR'S parabolic shaped reflector focuses lamp energy on the sheet for maximum lamp effectiveness with minimum power consumption.

Flexibility

Ultair can be operated in three different modes: As a powder spray unit, IR dryer or as a combination unit. This gives the operator the ability to run his press and optimize its performance relative to the challenges of each job encountered. In addition, while every model is available in a 220 volt version, our most popular models are also available in 110 volt versions, allowing those printers who don't have 220 volt lines available to enjoy the benefits of increased productivity with an Ultair.

