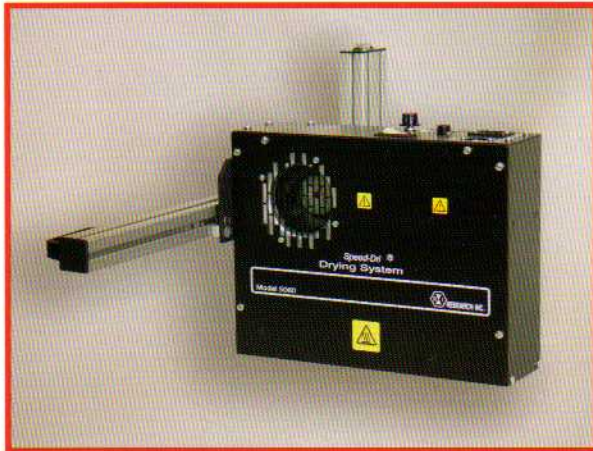


# Speed-Dri®

## Infrared Ink Drying System

## Product Data Sheet

### Model 5060



### Speed-Dri® Ink Drying Systems

The Model 5060 Speed-Dri Ink Drying System provides instantaneous infrared and convection technologies to dry ink printed on target areas up to four inches (102 mm) wide. Dependent on application specifics, web speeds of up to 350 feet/min (107 m/min) can be achieved using the Model 5060 Speed-Dri.

The Model 5060 Speed-Dri makes it simple to add extra capability enabling increased line speeds. Designed for easy installation, low operation cost, and minimal maintenance, the system is an economical solution for improving throughput resulting in increased profitability.

### Radiant & Convection Drying

Array of fast responding, medium-wave quartz lamps provide infrared heat directly to the printed ink resulting in immediate evaporation of the ink solvent. An integrated fan blows air past the lighted lamps resulting in heated air impingement on the target product surface. Extremely fast drying rates result from the use of both heat transfer modes.

### Agency Approvals

The Model 5060 Speed-Dri system meets all CE, UL, and cUL requirements.

### Compact, Modular Design

Overall dimensions: 15-inches (381 mm) long, 11.6-inches (294 mm) high, 4.2-inches (107 mm) wide. Individual units can be mounted end-to-end to increase effective dryer length to 30-inches long (762 mm). Two units can be mounted side-by-side to increase effective drying width to 8-inches (203 mm).

### Tachometer Input

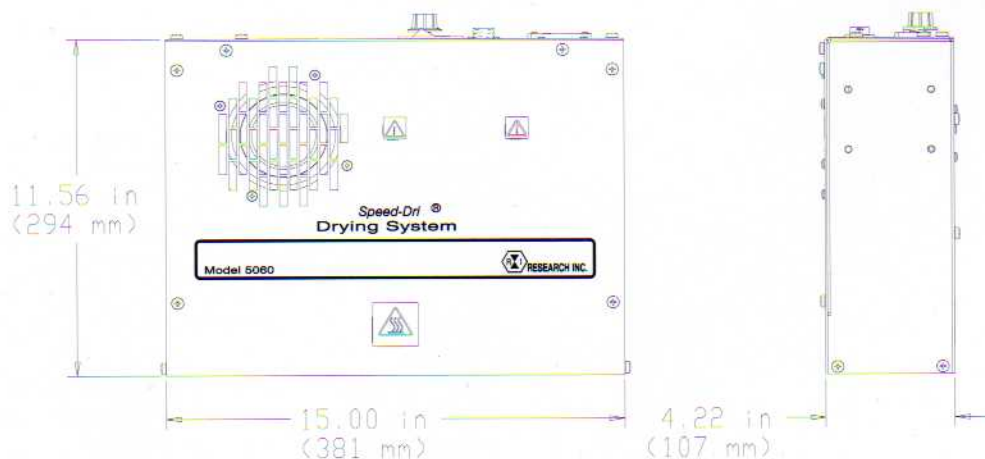
Automatic heat adjustment is available using the Tachometer Input circuitry. Optional Tachometer Kit is ordered separately.

***Your Ticket To Speed!***



**RESEARCH INC.**

Speed-Dri-5060-D-01-A



**Model 5060 Speed-Dri Dimensions – inches (mm)**

### Model 5060 Speed-Dri Specifications

Maximum Drying Width	4 inches (102 mm)
Overall Length	15 inches (381 mm)
Heated Length	10 inches (254mm)
Lamps (4 Total)	1000W-Rapido-10LL-140AL
Lamp Rated Voltage	240 volts
Applied Lamp Voltage	240 volts
Amps at Applied Voltage	18.0 amps
Power at Applied Voltage	4.0 kW
Blower Air Volume	75 CFM (2.1m³/min)
Interlock Relays	120 VAC, 24 VAC, 24 VDC (customer-specified)
Mounting Hardware	Extruded Aluminum
Operation Controls	On/Off switch
	Manual Heat Adjustment via Potentiometer
	Automatic Heat Adjustment via Tachometer Input Circuitry and External Tachometer Kit ( <i>Tachometer Kit Option – ordered separately from Drying System</i> )
Operation Interrupts	Heater module turns off automatically when raised from its horizontal position When the interlock connections are made, the heater module will not function unless the transport is running
Agency Approvals	CE, UL, cUL
Site Requirements	240V/30 amp service
	Personnel to position the system in place
	An electrician to install a 240VAC/30 amp IEC power cord, and connect the wiring between the power control and the transport.



**Ordering Information – Model 5060**

Model	Product Description
5060	Speed-Dri Infrared Drying Module (UL/CE-approved Drying Module including electrical- and interlock power cords)
Code	Dryer Length
10	10-inches (254 mm) (includes four 1000-watt, 240-volt lamps)
Code	Interlock Relay Type
1	24-Volts, AC
2	24-Volts, DC
3	120-Volts, AC
Code	Drying System Configuration
1DM	Single Drying Module System (includes one drying module, all power cords, all mounting hardware)
2DM	Dual Drying Module System (includes two drying modules, all power cords, all mounting hardware)
4DM	Quad Drying Module System (includes four drying modules, all power cords, all mounting hardware)
00	Drying Module Only (no mounting hardware included)

**Ordering Example – Model 5060**

	Model	Dryer Length	Interlock Relay Type	Drying System Configuration
Typical Model Number	5060	10	1	1DM

**Accessories, Spare & Replacement Parts – Model 5060**

Model	Description
085131-002	Tachometer Kit (includes Tachometer, O-rings, Interface Cable and Mounting Hardware)
106674-001	Extruded Aluminum Mounting Kit (includes one Mounting Arm and one Mounting Plate)
106628-001	Model 5060 Mounting Plate (includes Thumbscrews and retainer bar)
105762-002	Electrical Power Cord (11-foot (3.4 m) length)
098768-001	Interlock Power Cord Assembly (includes Mating Plug)
106764-001	Field Replaceable Unit (FRU) Kit (includes four lamps and one reflector assembly)
106656-001	Medium-Wave, Infrared Lamp (1000-watts, 240-volts)
085143-002	Interlock Relay, 24 VAC
080821-001	Interlock Relay, 24 VDC
085143-001	Interlock Relay, 120 VAC
106676-001	Lamp Control Assembly (includes Solid State Relay and Control Board Assembly)
105776-002	Circuit Breaker
106630-001	Reflector Assembly
M5060	Additional Model 5060 Operation Manual (one supplied with each heating module or system)