

**INFRATECH  
MEDIUM WAVE  
INFRARED CURING SYSTEMS**



**USER'S MANUAL  
MEDIUM WAVE SYSTEMS  
Model S 9000 P  
(including all power variants)  
with *Programmable Digital Controls***

Congratulations on your purchase of an INFRATECH Hi-Intensity Medium Wave Curing System. These systems have been designed, tested and engineered to give optimum performance, ease of operation and many years of reliable, productive use.

INFRATECH uses the latest technology and the best components available when designing and manufacturing our infrared paint curing systems. From our long lasting elements to our new *Digital* temperature control system that allows for curing by time and temperature that provide the fastest, most accurate curing available.

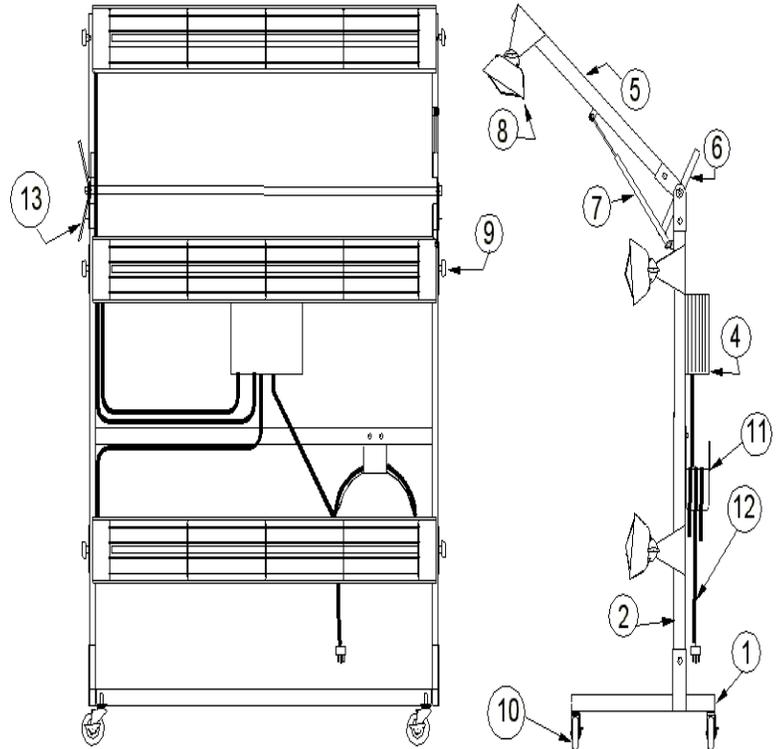
**Manufactured and Distributed By:**

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# UNPACKING & ASSEMBLING YOUR NEW SYSTEM

## Unpacking & Assembling

1. Unpacking: Carefully unpack your new system making sure all parts for assembly are included.
2. Assemble Stand: Mount upper arm with 3/8" x 1-1/2" nut and bolt (hand tight only until shock is installed). Next, install casters with 1/2" nut and flat washer. Bolt gas shock to center frame and upper arm using 3/8" x 3/4" bolt, nut, flat and lock washer.
3. Mount Control Box: Using the 5/16" bolts, nuts, flat and lock washers.
4. Final Assembly: Attach the "half rounds" to the ends of each heater. Mount each heater with the supplied pressure tabs and the 6 ea. Male knobs. Wire heater per wiring instructions on the heater assembly page. Secure cords with cord connectors into junction box's. Use cable ties to secure heater cords to strand. Adjust tension of center pivot (#6) so that upper arm is held in place without any adjustment.
5. First Use: Your Infratech curing system is ready for use. Only plug into a grounded power source.



## Element Installation Instructions

1. Check U/L label on Heater for proper voltage.
2. Remove end plates.
3. Open element clips at each end of Heater and carefully install quartz tube. Remove one nut from end of element. Slip on wire over element screw. Replace nut. **NOTE:** Hold element ceramic firmly while tightening nut to prevent damage to element. Nut should be tightened snug, as loose connection could cause element to fail. Connect other side of element in like manner. Close element clips over tube.
4. Replace end plates.
5. Clean tube and reflector with alcohol.
6. Snap on grill provided.

SPECIFICATIONS	
Model #	<b>S 9000 P</b>
Part #	14-1100
Volts	240V Single Phase
Amps	37.5
Watts	9,000
Shipping WT.	200 lbs.
Length	61.25"

### S-9000-P Is Also Available In:

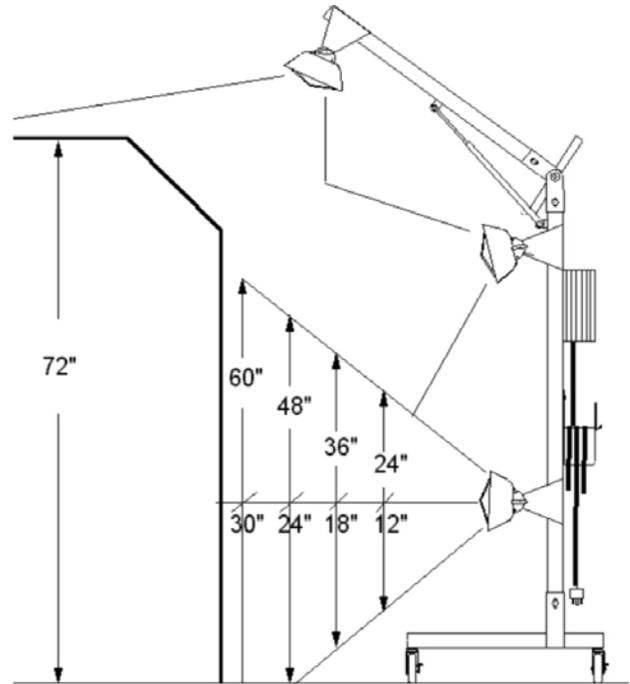
240 Volt 3 Phase Power p/n 14-1110  
 208 Volt 1 Phase Power p/n 14-1105  
 208 Volt 3 Phase Power p/n 14-1115  
 As Your Infratech Rep for Details

## WARNING

- **NEVER** block front of heater ● **DO NOT** operate within 25' of flammable materials ●
- **DANGER:** Do not use within 10' when spraying operations are in progress ●
- **NEVER** service heater without disconnecting from power ●
- **Source of possible shock** ● **Use only with grounded power source** ●
- **Only use grounded extension cords that are rated for the amp load of these units.** ●

# S 9000 P ASSEMBLY INSTRUCTIONS

Ref #	Part #	Description
1	13-1450	Stand Base w / Casters
2	13-1440	S9000P/3 Stand Middle
*	13-1420	Hardware Set Complete
4	13-1511	Control Box Complete (digital)
5	13-1430	S9000P/3 Stand Upright
6	13-1480	Swivel Mechanism
7	13-1490	Shock Arm
8	13-1240	Grill Guard (Spec. Mod.)
9	13-1090	1/4-20x9/16 Male Knob
10	13-1524	3" Locking Caster
11		Power Cord Hanger
12	13-1520	50' 8 Ga. 3-Wire Power Cord
13		Swivel Lock Handle
*	13-1360	Heater Cord (14/3)
*	13-1380	3/8" 2-Screw Connector (3)
*	13-1390	3/4" 2-Screw Connector (1)
*	13-1350	Power Cord 8/3 7'
*	13-1522	Hardware Set
*	13-1200	Heater Body Reflector
*	13-1210	End Reflector
*	13-1220	J Box Cover
*	13-1230	Lead Wire Set (Spec. Mod)
*	13-1250	Hardware Set
*	13-1260	Heater Mounting Bracket Tabs
*	13-1340	Wire Loom Set



## Operating Tips

Your new Infratech infrared curing system provides fast, efficient curing for virtually every type of paint, primer, body filler, bonding adhesive and plastic repair products. Infratech infrared heats from the inside out. It does not heat the air.

The way IR cure's, you first heat the coating for the prescribed time to effect solvent evacuating and cross linking, the cure cycle is complete after the heated area cools back to room temperature. Once this full cycle is complete the coating is fully cured and final assembly or cleanup for delivery can start.

Care should be taken when using your new system. Operating the system to close to the part being cure can cause damage. When you first use your system, you may want to start at a distance of 24" to 30". As you gain experience using your system, you may be able to move the system closer to apply more heat and speed the cure cycle. These heaters have enough power to blister paint and melt plastic if proper care is not exercised.

Additionally, it should be noted that different colors absorb IR at different rates; black absorbs IR far quicker than white. So darker colors may cure faster than lighter colors. Adjustments in distance may have to be made to accommodate the differences.

Small Parts List		
2 - 3" locking caster wheels	2 - 3" non-locking caster wheels	4 - 5/16" flat washers
4 - 1/2" nuts	4 - 1/2" flat washers	4 - 5/16" lock washers
1 - gas shock	3 - wire connectors	2 - 3/8" x 1-1/2" hex bolts
6 - wire nuts	6 - heater mounting brackets	2 - 3/8" nuts / 2 - 3/8" nylon nuts
6 - pressure tab washers	2- 3/8" lock nuts	4 - 3/8" flat washers
4 - 5/16" nuts	4 - 5/16" x 1-1/2" bolts	2 - 3/8" x 3/4" hex bolts
6 - black tube end caps	6 - 1/4" male knob	

