



Rapid
Engineering LLC

Compact Infrared Finishing Systems



For finishing small, geometrically flat parts
(All parts to be finished are subject to testing by Rapid Engineering LLC.)

You'll Value Our Experience!

www.rapidengineering.com
1.800.536.3461

COMPACT INFRARED SYSTEMS

Specifications

Product Opening (width x height) - ft (m)	3 x 3 (.91 x .91)
Design Line Speed - fpm (m/h)	3 (54.8)
Tanks & Tunnels - gallons (L), material	10 (37.8), 12 ga. mild steel
Dimensions (width x height x length) - ft, in (m)	8 x 8, 6 x 20 (2.4 x 2.6 x 6)

COMPACT INFRARED SYSTEM TWO STAGE WASHERS

Specifications

	Stage 1	Stage 2
Time - seconds	60	45
Maximum Temperature °F (°C)	140 (60)	Ambient
Maximum Output - Btu/h (kW)	900,000 (263.7)	N/A
Maximum Water Pressure - psi (kg/m ²)	20 (14,061)	20 (14,061)
Pump - GPM (L/s)	135 (8.5)	67 (4.2)
Motor - HP (kW)	5 (4.0)	2 (1.5)



COMPACT INFRARED SYSTEM DRY-OFF OVENS



Specifications

Emitters (8 total)	Vulcan Gas Catalytic
Maximum Output/Emitter - Btu/h (kW)	30,000 (8.8)
Recirculation Plug Fan Airflow - CFM (m ³ /h)	3,000 (5,097)
Recirculation Motor - HP (kW)	3 (2.2)
Exhaust Fan - CFM (m ³ /h)	1,000 (1,699)
Exhaust Motor - HP (kW)	1 (0.75)
Oven Panels - in (cm), material	2 (5), aluminized
Dimensions (width x height x length)- ft,in (m)	6 x 8, 6 x 13 (1.8 x 2.6 x 4)
Dwell Time in Oven - minutes	4

The RAPID® Advantage

- Quality products and reliable performance.
- Project management support.
- Complete design, manufacturing, installation and service capabilities.
- Extensive experience.
- Single source supply for components.
- On-time and on-budget delivery.



COMPACT INFRARED SYSTEM CURE OVENS

Specifications

Emitters (6 total)	Vulcan Gas Catalytic
Maximum Output/Emitter - Btu/h (kW)	45,000 (13.2)
Exhaust Fan - CFM (m ³ /h)	1,000 (1,699)
Exhaust Motor - HP (kW)	1 (0.75)
Oven Panels - in (cm), material	2 (5), aluminized
Dimensions (width x height x length)-ft,in (m)	6 x 8, 6 x 20 (1.8 x 2.6 x 6)
Dwell Time in Oven - minutes	6.5



COMPACT INFRARED SYSTEM CONVEYOR & CONTROLS



Features

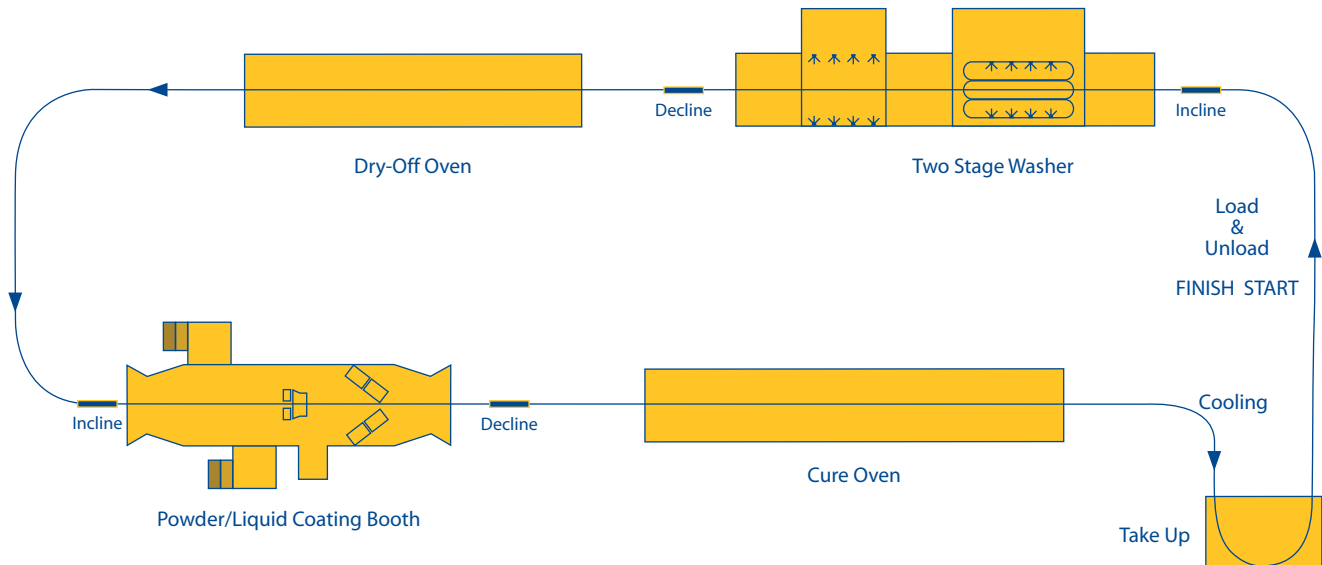
Conveyor

Tubular Style Overhead System

Controls

AC variable frequency control with digital speed read out

TYPICAL COMPACT INFRARED FINISHING SYSTEM



For a quote, call
1.800.536.3461
or email
IPFEsales@rapidengineering.com

Thank You for Your Business!

Installation Code and Annual Inspections:

All installation and service of RAPID® equipment must be performed by a contractor qualified in the installation and service of industrial processing and finishing equipment and conform to all requirements set forth in the RAPID® manuals and all applicable governmental authorities (including but not limited to NFPA-86) pertaining to the installation, service, operation and labeling of the equipment. Refer to the applicable installation, service and operation manual for safety shutoff valve leak test procedure and schedule. To help facilitate optimum performance and safety, Rapid Engineering LLC recommends that a qualified contractor conduct, at a minimum, annual inspections of your RAPID® equipment and perform service where necessary, using only replacement parts sold and supplied by Rapid Engineering LLC.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through RAPID® representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

These products are not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgment.

Rapid Engineering LLC

1100 Seven Mile Road NW
Comstock Park, MI 49321
Telephone: +1.616.784.0500
Toll Free: 800.536.3461
Fax: +1.616.784.0435

www.rapidengineering.com