



**Rapid**<sup>™</sup>  
Engineering LLC

## Compact IR 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.RapidFinishingEquipment.com](http://www.RapidFinishingEquipment.com)

**1.800.536.3461**

# COMPACT IR SYSTEMS

## Specifications

Product Opening (width x height) - ft (m)	3 x 3 (.91 x .91)
Design Line Speed (fpm)	3
Tanks & Tunnels (gallons, material)	10, 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 IR SYSTEM TWO STAGE WASHERS

## Specifications

	Stage 1	Stage 2
Time (seconds)	60	45
Temperature °F (°C) (maximum)	140 (60)	Ambient
Maximum (Btu/h)	900,000	N/A
Maximum psi	20	20
Pump (GPM)	135	67
Motor (hp)	5	2



# COMPACT IR SYSTEM DRY-OFF OVENS



## Specifications

Emitters (8 total)	Vulcan Gas Catalytic
Maximum (Btu/h) Emitter	30,000
Recirculation Plug Fan (cfm)	3,000
Recirculation Motor (hp)	3
Exhaust Fan (cfm)	1,000
Exhaust Motor (hp)	1
Oven Panels in (cm)	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 IR SYSTEM CURE OVENS

## Specifications

Emitters (6 total)	Vulcan Gas Catalytic
Maximum Emitter (Btu/h)	45,000
Exhaust Fan (cfm)	1,000
Exhaust Motor (hp)	1
Oven Panels in (cm)	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 IR SYSTEM CONVEYOR & CONTROLS



## Features

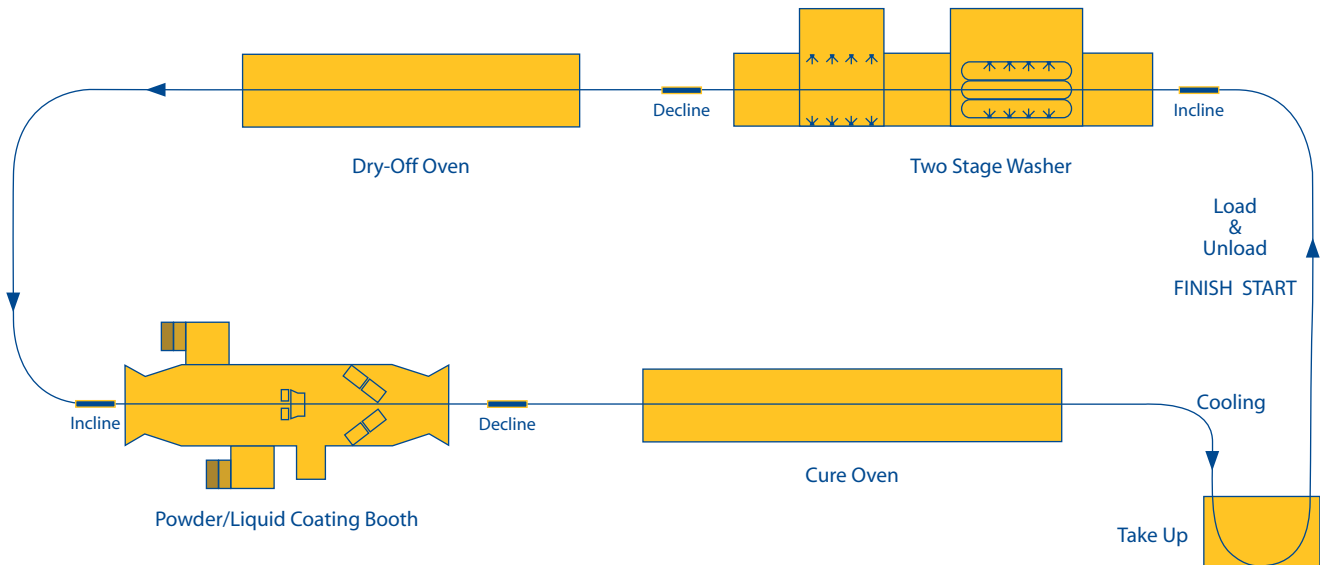
### Conveyor

Tubular Style Overhead System

### Controls

AC variable frequency control with digital speed read out

## TYPICAL COMPACT IR 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 and operation 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: +1.616.784.1910

[www.rapidengineering.com](http://www.rapidengineering.com)  
[www.rapidfinishingequipment.com](http://www.rapidfinishingequipment.com)  
[www.rapidwashers.com](http://www.rapidwashers.com)  
[www.rapidbatchovens.com](http://www.rapidbatchovens.com)

© 2009 Rapid Engineering LLC

*All rights reserved. No part of this work covered by the copyrights herein may be reproduced or copied in any form or by any means – graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems – without written permission of Rapid Engineering LLC.*