

CO-461/462 Curing Oven

Specifications

Article

CO-461 Curano 460 mm wide IR oven 2.1 meter heated length and pin conveyor, top heating only (Not EX)

CO-462 Curano 460 mm wide IR oven 4.3 meter heated length and pin conveyor, top heating only (Not EX)

Dimensions

CO-461 2780mm L x 1000mm W x 1200mm H

CO-462 5300mm L x 1000mm W x 1200mm H

Conveyor

Edge conveyor with 5mm pins (3mm as option), speed adjustable from 50-800mm/Min.

Product Height

Standard 100mm on top of BCB and 100mm on Bottom

Other dimensions on request

Controller

Microprocessor controller with RS-232 interface for all zones.

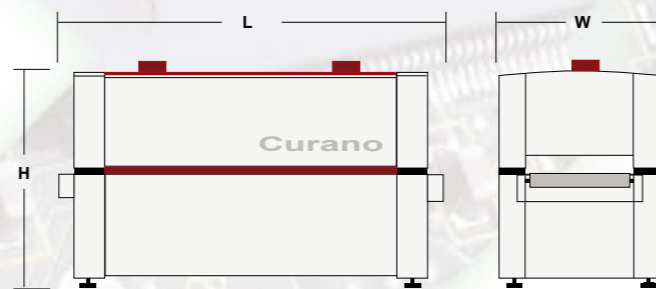
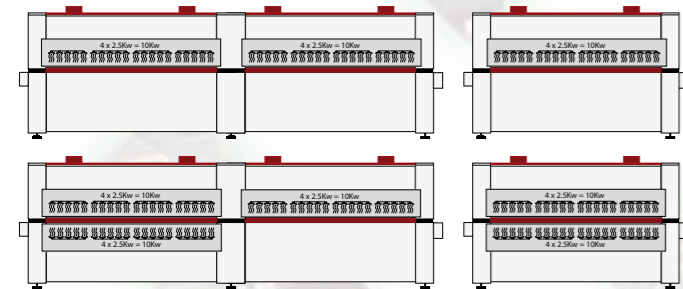
Speed and temperature profiling controlled via LCD display or by optional PC

Heating System

Infrared radiation

Cooling

Extraction air flow



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Your Distributor

Specifications are subject to change without prior notice. CO460 0810E

CO-461/462 Curing Oven



**The CO-460 series
 is a Modular, Infrared
 In-line curing oven**

To improve your productivity



Curano modular curing oven

Global success has enabled DIMA to extract the knowledge required for continued advancement direct from the customer. This knowledge was of particular importance during the development of DIMA's latest Curing Oven the Curano CO-461 and CO-462. Modularity is the key word. Available as a one segment oven (CO-461) and a two segment oven (CO-462) where you can choose the interior, the Curano offers great flexibility in adapting it to your production requirements. One top heater is always included but you have the choice between 5 or 10Kw. Depending on your applications you can add bottom heating in the first segment and top and/or bottom heating in the second segment.

Key Features

- 4 or 8 independent controlled heating zones
- Modular system, free to configure
- Build-in temperature profiler
- Microprocessor controlled
- RS232 interface for computer connection
- Available with humidity control
- Also available for flammable coatings (EX)
- DIMASoft® temperature profiler and project management software available
- Mechanical SMEMA interface



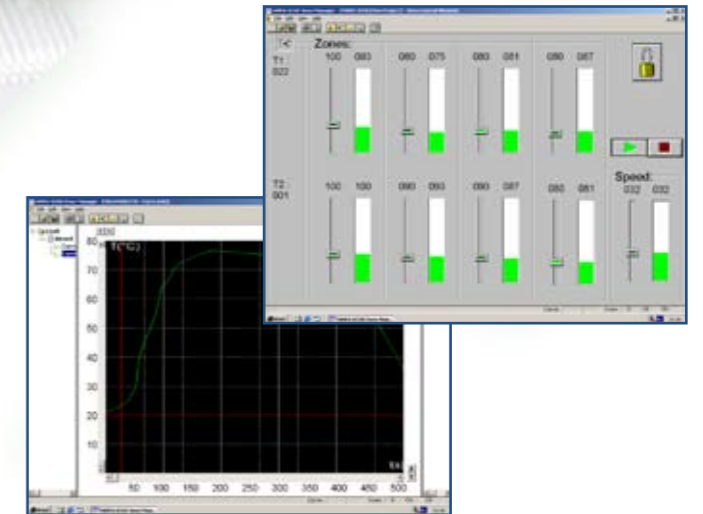
Today's best buy

From every parameter by which curing systems are judged:- heating uniformity, exacting and total process control, profiling flexibility and throughput - the Curano leaves nothing to be desired. As such, it is by far today's best buy in curing!

Photo: Curano with optional monitor and keyboard

Machine types

CO-461	Curano 460 mm wide IR oven 2.1 meter heated length and pin conveyor
CO-462	Curano 460 mm wide IR oven 4.3 meter heated length and pin conveyor
SWRO-0330	Software oven manager



Curano curing oven

Exact control of all cells and total performance consistency even under varying loads are routine expectations for any top-of-the-line curing oven.

IR emission

The 2.1/4.3 m heating system has been ingeniously designed to avoid movement of the coating deposit. Dima avoids forced air circulation in the first stage of the oven. The reason is that circulating hot air can move the coating material from the spot where it originally was deposited. IR emitters transfer the heat into the product without any mechanical force where half way the tunnel a soft breeze of air spreads the heat and moves evaporated fumes to the outside of the process chamber.

These innovations cause heat to be equally absorbed by the system while at the same time evaporated solvents are safely removed. A digital encoder precisely controls transport speed, providing vibration-free movement. A built-in process window is used to program, run and display each profile. PC software permits unlimited temperatures profiling in real time, continuous process status updates, overlay comparisons, and program storage. The Curano offers a high degree of flexibility and profile control, enabling the user to run a large variety of products with fewer profiles. Uniform heating and high repeatability will be maintained under various load conditions - including load / no load (i.e., "zero spacing").

Keep it under control

The system's memory stores up to 99 different profiles. The RS-232 port on the curing oven allows PC interface for entry and storage of additional programs as well as remote control of operating procedure, QC monitoring, and generation of hard copies as needed. Oven Management software, compatible with Windows® operating systems, is optional available. PC, monitor and monitor/keyboard stand sold separately.

A standard build in dedicated LCD control panel permits continuous monitoring of the production run, with real time profiling shown in convenient graph format and board temperatures through each zone shown in real time.

Other equipment available from DIMA

- Automatic pick and place machines
- Automatic glue and solder paste dispensing systems
- Board handling equipment
- Conformal coating machines
- Tape and reeling equipment
- Manual pick and place machines
- Stencil printing equipment
- See www.dimasmt.com for more information