

CFHIR SERIES IN-LINE IR CURING OVEN

RELIABLE, ACCURATE AND EASY MAINTENANCE SOLUTIONS



CF20HIR MODEL



CF40HIR MODEL

IR CURING STATIONS FOR CONFORMAL COATINGS AND ADHESIVES

HIGH-PERFORMANCE CURING OVENS DESIGNED FOR **CONFORMAL COATING AND ADHESIVE APPLICATIONS**, INCLUDING **SILICONES, URETHANES, EPOXIES, XYLENE-BASED COATINGS**, AND OTHER ORGANIC MATERIALS.

IR CURING TECHNOLOGY

THE OVENS ARE EQUIPPED WITH **CERAMIC IR PANELS** PROVIDING:
- HIGH HEATING RAMP RATES
- HIGH POWER DENSITY PER SURFACE UNIT
- UNIFORM AND REPEATABLE THERMAL PERFORMANCE

SPECIALLY DESIGNED **IR PANELS (620 × 620 MM)** OPERATE AT WAVELENGTHS OPTIMIZED FOR ORGANIC MATERIALS, ENABLING FASTER CURING CYCLES AND IMPROVED ENERGY EFFICIENCY.

PROCESS CONTROL & PROGRAMMABILITY

- **TOUCH SCREEN HMI** FOR SYSTEM CONFIGURATION AND MONITORING
- **MULTIPLE INDEPENDENT HEATING ZONES** (NUMBER OF ZONES MODEL-DEPENDENT)
- INDEPENDENT **PID TEMPERATURE CONTROL PER ZONE** VIA SSR RELAYS FOR PRECISE THERMAL MANAGEMENT

CONVEYOR SYSTEM

- ADJUSTABLE CONVEYOR SPEED FROM **2 CM/MIN TO 200 CM/MIN** (OTHER RANGES AVAILABLE ON REQUEST)
- **CONTINUOUS SMEMA MODE** WITH ADJUSTABLE SPEED FROM **0.002 TO 2 M/MIN**
- **SOFTWARE-CONTROLLED CONVEYOR WIDTH ADJUSTMENT**
- **PASS-THROUGH CONVEYOR MODE** FOR NON-CURING OPERATION OR LINE INTEGRATION

MECHANICAL DESIGN

- MOTORIZED HOOD OPENING FOR SIMPLIFIED ACCESS AND MAINTENANCE
- ROBUST CONSTRUCTION DESIGNED FOR CONTINUOUS INDUSTRIAL OPERATION



CONFORMAL COATING LINE: CF395IL + CFF15 + CF20HIR



CONFORMAL COATINGS, ACRYLICS, URETHANES, SILICONES, RTV, BI-COMPONENT MATERIALS, ETC.







CFHIR SERIES IN-LINE IR CURING OVEN

GENERAL SPECIFICATIONS INCLUDED



CF20HIR MODEL

STATIONS LENGTH
- CF20HIR: 2.25 METERS.(CURING TUNEL 2.000 MM)
- CF40HIR: 4.25 METERS.(CURING TUNEL 4.000 MM)
- CF60HIR: 6.25 METERS.(CURING TUNEL 6.000 MM)
- CF80HIR: 8.25 METERS.(CURING TUNEL 8.000 MM)

NUMBER OF ZONES
- CF20HIR 3 ZONES (TOP OR TOP AND BOTTOM)
- CF30HIR 6 ZONES (TOP OR TOP AND BOTTOM)
- CF60HIR 9 ZONES (TOP OR TOP AND BOTTOM)
- CF80HIR 12 ZONES (TOP OR TOP AND BOTTOM)

- IR CERAMIC PANELS 620X620 (4000W)

CONVEYOR
- CHAIN CONVEYOR SPEED ADJUSTABLE FROM 0.02 TO 2 M/MIN (OTHER RANGES AVALAIBLE)
- AUTOMATIC CONVEYOR WIDTH AJUSTMENT BY SOFT (CHAIN) 50-450MM
- CHAIN BOARDS CLEARANCE BY DEFAULT 5 MM (OTHER PIN LENGHTS AVALAIBLE)
- COMPONENT CLEARANCE UP TO 80 MM (BELOW AND ABOVE)
- SMEMA COMMUNICATION FROM UPPER AND LOWER MACHINES
- MECHANICAL LUBRICATION ADJUSTABLE SYSTEM (**AUTOLUB** OPTIONAL)

WORKING MODES
- CONTINUOUS (ADJUSTABLE SPEED FROM 0.02 TO 2.0 M/MIN)
- PASS THROUGHT

CONTROL
- TOUCH SCREEN HMI
- AUTOMATIC HOOD/S OPENING SYSTEM
- SPEED CONTROL
- AUTO CONVEYOR WIDTH CONTROL
- ZONES TEMP CONTROL
- AUTOLUBE (OPTIONAL)
- BOARDS TRAFFIC CONTROL (OPTIONAL)

SOFTWARE
- DRYcontrol IR ® INCLUIDED

POWER SUPLLY
- 220/400V PHASE

SECURITY
- EMERGENCY BUTTON
- SECURITY INTERLOCKS IN COVER
- OVER HEATING TEMP ALARM
- TEMP CONTROL BY REDUNDANT SYSTEM (PID, CONTROLLER AND BI-METAL)
- EXHAUST PUMP (NO ATEX)

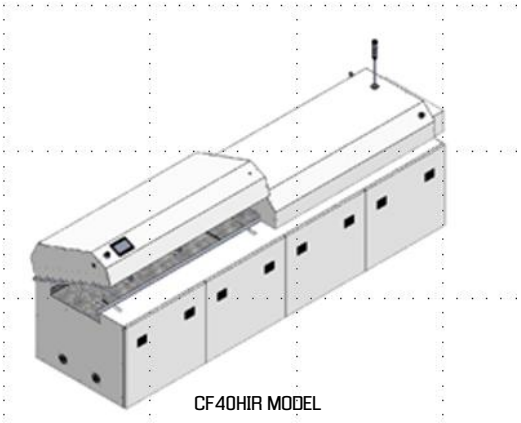
CERTIFICATION
- CE AND SMEMA

OPTIONAL EQUIPMENT

- AUTOMATIC TRAFFIC BOARDS CONTROL
- AUTOMATIC LUBRATION SYSTEM BY SOFT AUTOLUB
- CONVEYOR: "LEFT TO RIGHT" OR "RIGHT TO LEFT"
- EXHAUST PUMP ATEX

- SOFTWARE AVAILABLE IN LOCAL LANGUAGES

- CONFORMAL COATING/DISPENSING INLINE CF395IL
- FLUSH OFF AND INSPECCIÓN STATION



CF40HIR MODEL



COATFLOW COATING LINE: CFPH + CF395IL + CFF15 +CF20HIR

CoatFlow

AN INNOMELT BRAND

