

# SELECTIVE CONFORMAL COATING AND DISPENSING SOLUTIONS

## IR CURING OVENS CF HIR SERIES



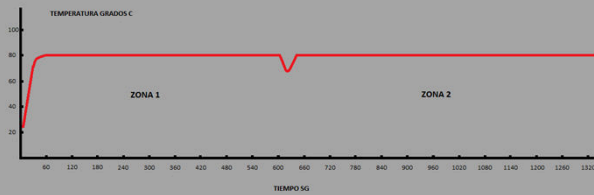
RELIABLE, ACCURATE AND EASY MAINTENANCE SOLUTIONS

IR CURING STATIONS FOR CONFORMAL COATINGS AND ADHESIVES

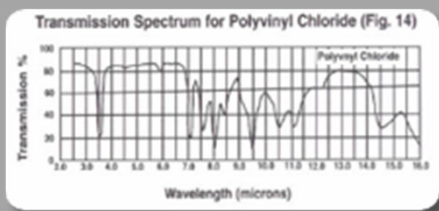
- IR CURING OVENS SPECIFICALLY DESIGNED FOR CONFORMAL COATINGS APPLICATIONS (SILICONES, URETHANES, XYLENES, EPOXIES, ETC.).
- OUR OVENS ARE EQUIPPED WITH IR CERAMIC PANELS WHICH GIVES HIGH HEATING SPEED AND POWERFUL HEATING RANGE PER SURFACE UNIT.
- EASY PROGRAMMABLE WITH INDEPENDENT ZONES (NUMBER OF ZONES DEPEDNS FOR MODEL) THOUGHT OUR TOUCH SCREEN.
- INDEPENDIENT ZONES TEMP CONTROL (PID) THROUGH SSR RELAYS FOR COMPLETE AND ACCURATE CONTROL.
- CONVEYOR SPEED AJSUTABLE FROM 2 CM/MIN TO 200 CM/MIN (OTHER RANGES POSIBLES)
- CONVEYOR MODE CONTINUOUS SMEMA ( ADJUSTABLE SPEED FROM 0.002 TO 2 M/MIN)
- CONVEYOR WIDTH SOFT CONTROLLED (ONLY IN CHAIN CONVEYOR, NOT IN MESH CONVEYOR)
- CONVEYOR MODE PASS THROUGH
- ALL OUR OVENS ARE EQUIPPED WITH SPECIALLY DESIGNED IR (620 X 620 MM) PANEL TO WORK WITH ESPECIFICS WAVELENGTH FOR ORGANICS MATERIALS TO ACHIEVE BETTER HEATING SPEEDS AND EFFICIENCY.
- MOTORIZED OPENING OF HOODS FOR GREATER SIMPLICITY



CF40 HIR MODEL



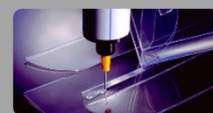
TYPICAL CURING PROFILE FOR SILICONE



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



CF20HIR OVEN IN AUTOMATIC POTTING LINE



# CF HIR SERIES CHARACTERISTICS

## TOUCH SCREEN WITH OUR SOFTWARE DRYcontrol IR 6

ALL OUR DRYING STATIONS INCORPORATE 7" COLOR TOUCH SCREEN TO CONTROL AND VISUALIZE ALL PARAMETERS NECESSARIES IN DRYING PROCESS.

SOFTWARE IS AVAILABLE IN SOME LOCAL LANGUAGES.



## ACCURATE TEMPERATURE CONTROL PID CLOSED LOOP

ALL OUR DRYING STATIONS INCORPORATES CLOSED LOOP PID CONTROL WITH SSR IN ALL HEATING ZONES. THIS CONTROL PROVIDES OF VERY ACCURATE TEMPERATURE CONTROL WITH A TEMPERATURE VARIATION OF LESS THAN 1 DEGREE.

CF20 HIR MODEL HAS 3 INDEPENDIENT CONTROL ZONES (TOP AND BOTTOM)  
 CF40 HIR MODEL HAS 6 INDEPENDIENT CONTROL ZONES (TOP AND BOTTOM)  
 CF60 HIR MODEL HAS 9 INDEPENDIENT CONTROL ZONES (TOP AND BOTTOM)  
 CF60 HIR MODEL HAS 12 INDEPENDIENT CONTROL ZONES (TOP AND BOTTOM)



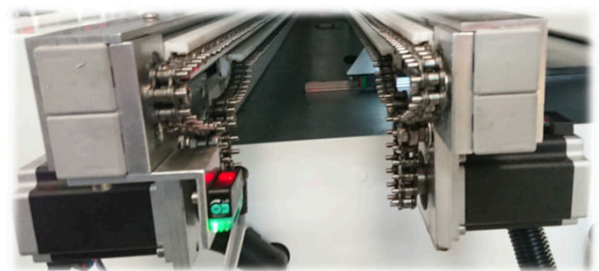
## CHAIN CONVEYOR

INCLUDED AS STANDARD AUTO WIDTH CONVEYOR BY SOFT IN CHAIN CONVEYOR OPTION. MESH CONVEYOR HAS FIXED WIDTH.

CHAIN CONVEYOR MADE OF STEEL WITH 5 MM PINS AS STANDARD (OTHER LENGTH AVAILABLE) FOR MAXIMUM RELIABILITY.

**AUTOLUB** SYSTEM BY SOFT AS OPTION

LEFT TO RIGHT AS STANDARD. RIGHT TO LEFT AVAILABLE ALSO.



CHAIN CONVEYOR WITH STTEPER PRECISION MOTORS



AUTOLUB SYSTEM CONTROL WINDOW

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



# CF HIR SERIES SPECIFICATIONS

## GENERAL SPECIFICATIONS INCLUDED

### 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 OR MESH CONVEYOR SPEED ADJUSTABLE FROM 0.02 TO 2 M/MIN ( OTHER RANGES AVAILAIBLE)
- AUTOMATIC CONVEYOR WIDTH AJUSTMENT BY SOFT IN CHAIN CONVEYOR
- CHAIN BOARDS CLEARANCE BY DEFAULT 5 MM (OTHER PIN LENGHTS AVAILAIBLE)
- COMPONENT CLEARANCE UP TO 80 MM (BELOW AND ABOVE)
- SMEMA COMMUNICATION FROM UPPER AND LOWER MACHINES
- MECHANICAL LUBRICATION ADJUSTABLE SYSTEM (AUTOLUBE OPTIONAL)

### WORKING MODES

- CONTINUOUS (ADJUSTABLE SPEED FROM 0.02 TO 2.0 M/MIN)
- PASS THROUGH

### 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 @ INCLUDED

### POWER SUPPLY

- 220/400V PAHSE

### 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)

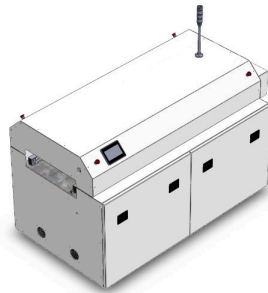
### CERTIFICATION

- CE AND SMEMA

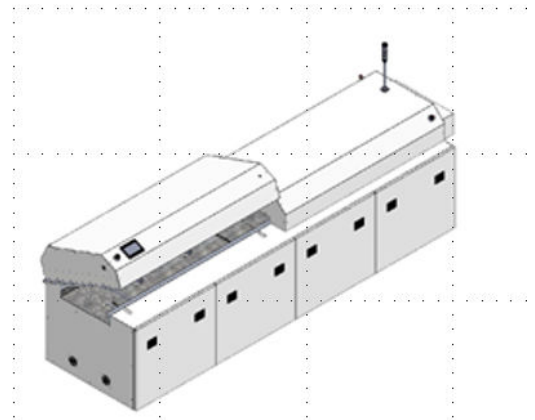


## OPTIONAL EQUIPMENT

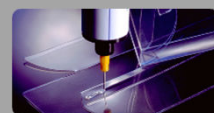
- AUTOMATIC CONVEYOR LUBRICATION SYSTEM "AUTOLUBE"
- AUTOMATIC TRAFFIC BOARDS CONTROL
- CONVEYOR: "LEFT TO RIGHT" OR "RIGHT TO LEFT"
- "ATEX" EXHAUST PUMP
- SOFTWARE AVAILAIBLE IN LOCAL LANGUAGES
- CONFORMAL COATING/DISPENSING INLINE CF3951L
- FLUSH-OFF AND INSPECTION STATION



MODEL CF20HIR

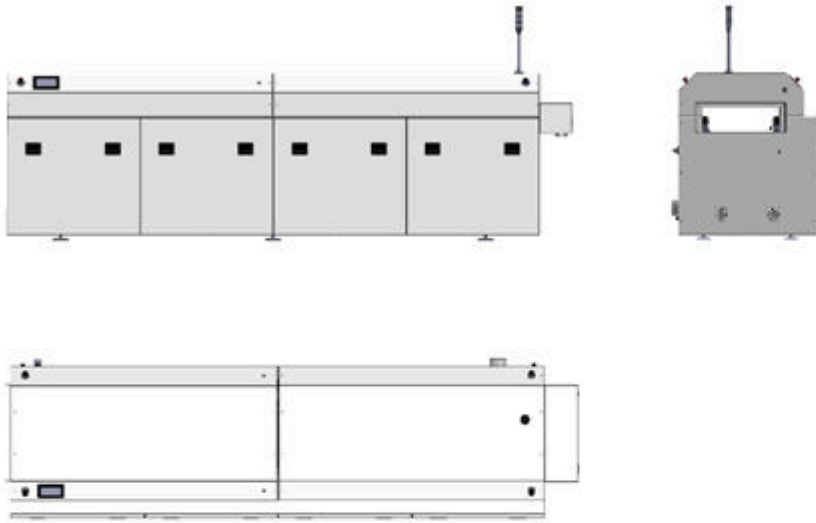


MODEL CF40HIR



# CF395 IL DIMENSIONS

## INSTALLATION REQUERIMENTS

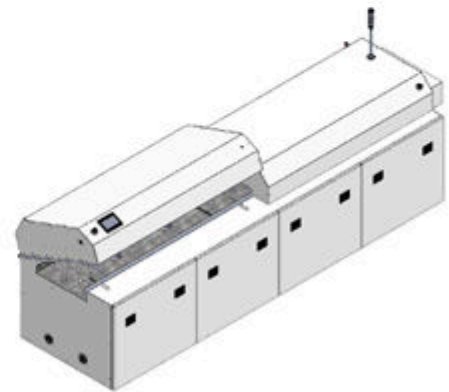


EQUIPMENT WEIGHT :  
CF20HIR 600 KG  
CF40HIR 1200 KG  
CF60HIR ( 1200 + 600 KG)

900 MM CLEARANCE IN THE FRONT IS REQUIRED FOR COVERS OPENING.  
800 MM CLEARANCE IN THE REAR IS REQUIRED FOR CONVEYOR COVERS OPENING

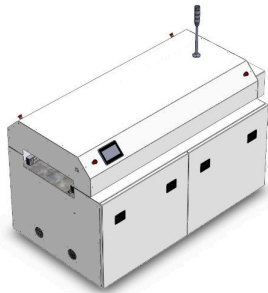
ELECTRIC POWER 3 PHASES. REQUIRED POWER DEPENDS OF MODEL AND CONFIGURATION

MINIMUN EXHAUST 250 M3/H. HOSE DIAMETERS 125 MM



## MEDIDAS

- CF20HIR LENGHT 2.250 MM WIDTH 1.200 MM HIGHT(BEACON) 1.750 MM
- CF40HIR LENGHT 4.250 MM WIDTH 1.200 MM HIGHT(BEACON) 1.750 MM
- CF60HIR LENGHT 6.250 MM WIDTH 1.200 MM HIGHT(BEACON) 1.750 MM



## INTERNATIONAL SALES DEPARTMENT

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## LOCAL DISTRIBUTOR

## OTHER COATFLOW SOLUTIONS

