

EXELSIUS

PROCESS PARTNER FOR THE ELECTRONICS INDUSTRY

TC

INFRARED DRYING AND CURING OVEN



**A COMPLETE RANGE OF INFRARED
DRYING AND CURING OVEN**

**PREVENTION OF
BUBBLE DEFECTS
DURING DRYING OR
CURING**

**MODULE POWER
CONTROL FOR ALL
TYPES OF THERMAL
PROFIL**

**SAFE SOLVENT
EVACUATION**



INFRARED DRYING CURING OVEN

A PROVEN HIGH PERFORMER IN-LINE SOLUTION

EXELSIUS has been developing its heat transfer expertise in the drying/curing sector for over 25 years. We offer a line of tried-and-tested industrial equipment designed for optimal adaptation to a variety of production environments.



LIMITS BUBBLE FORMATION

Thanks to their heating and atmosphere circulation principles, TC drying/curing ovens significantly reduce bubble formation during the processing of tropicalization coating.

SAFE SOLVENT EVACUATION

The design of EXELSIUS is focused on human safety. The TC line of ovens ensures safe disposal of solvents, preventing their dispersion by keeping the oven at negative pressure.

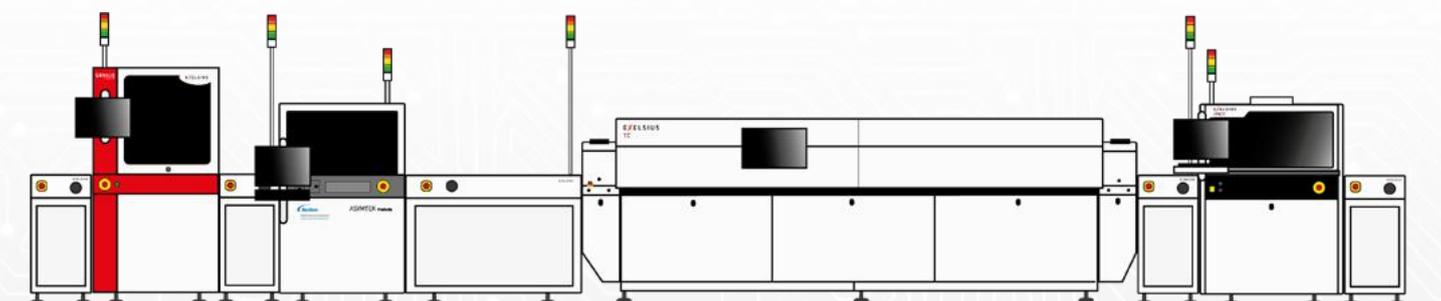


Compliance with the most sensitive components

Fast MES integration

Easy and accessible maintenance

Energy efficient



INTUITIVE HMI DEVELOPED BY EXELSIUS



TECHNICAL DATA

	TC 1200	TC 2400	TC 3000	TC 3600	TC 4800	TC 6600
Dimensions (LxWxH) excluding signal tower	2000 x 1250 x 1380 mm	3200 x 1250 x 1380 mm	3800 x 1250 x 1380 mm	4400 x 1250 x 1380 mm	5600 x 1250 x 1380 mm	7400 x 1250 x 1380 mm
Power supply	400/480 V AC-50/60 Hz 3-phase + N +G					
Installed power	22 kW/400V	32 kW/400V	38 kW/400V	44 kW/400V	56 kW/400V	74 kW/400V
Energy consumption profile 80°C	5,0 kW/h	8,1 kW/h	9,2 kW/h	10,5 kW/h	14 kW/h	18,8 kW/h
Weight	900 kg	1045 kg	2100 kg	2250 kg	2514 kg	3400 kg

HEATING TUNNEL

Heated length	1200 mm	2400 mm	3000 mm	3600 mm	4800 mm	6600 mm
Heating zones (Top/Bot)	4/4	6/6	6/6	6/6	10/10	10/10
Stabilization time	30 min					

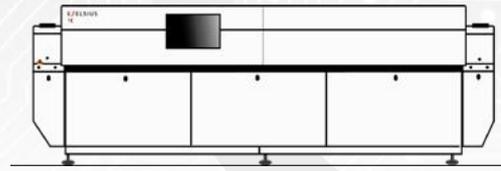
CONVEYOR

Standard conveyor type	5 mm pin top chains
Standard clearance height	+/- 100 mm
Standard width	50 to 480 mm
Process speeds	80 to 1100 mm/min
Conveyor height	940 to 965 mm

These specifications are not binding



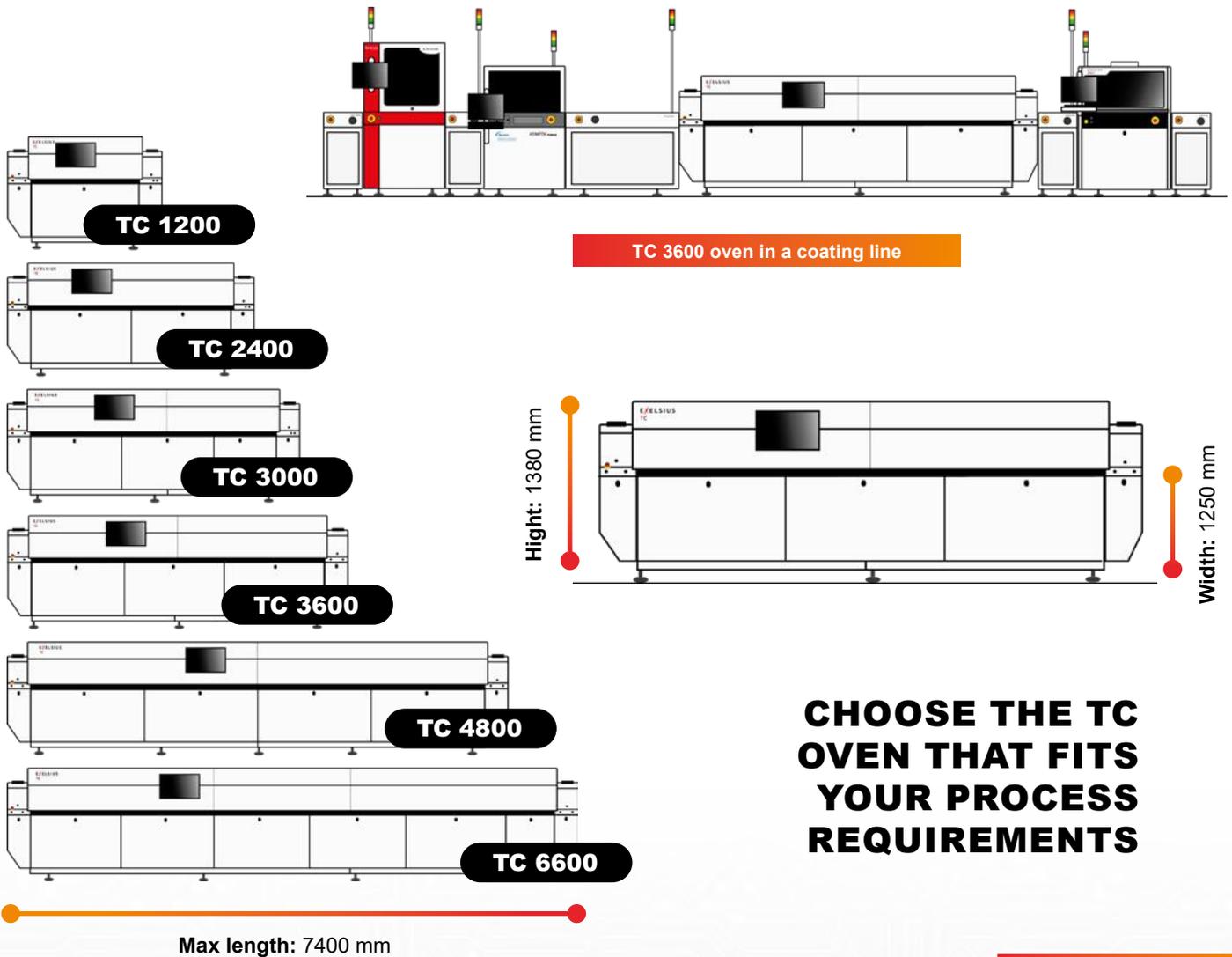
INFRARED DRYING CURING OVEN



OPTIONS

- Very low conveyor speed: 50-250 mm/min
- Low conveyor speed: 80-400 mm/min
- High conveyor speed: 300-1800 mm/min
- Board width extended to 480 mm
- Manual shut-off of bottom heater
- Custom clearance height
- Dual lane conveyor

Some options are not compatible with each other.



CHOOSE THE TC OVEN THAT FITS YOUR PROCESS REQUIREMENTS

FOR MORE INFORMATION SCAN THE QR CODE AND CONTACT OUR SALES TEAM



EXELSIUS

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