The I.R.D DRYER designed and manufactured by Eurotech Way is a cutting-edge machinery especially conceived for drying any type of ink or enamel by means of a high-tech heating system, with special insulating material thus bringing about a consumption reduction.
All the dryers developed by Eurotech Way are modular and therefore can be adapted to suit any customer´s needs.

THE MAIN FEATURES OF THE I.R.D. DRYER ARE MENTIONED HERE BELOW:

CONVEYING SYSTEM AND MOTORIZATION:

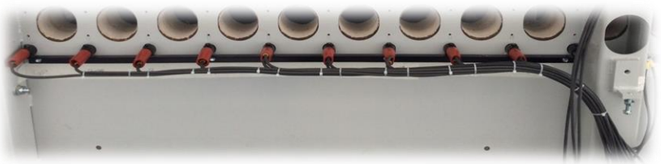
The conveying system consists of ground and polished rollers made of alumina ceramic.
The rollers motorization is by means of dry-mounted bevel gear with roller quick coupling/release, controlled by inverter.

HEATING ELEMENTS:

Supporting structure made of painted steel;
Heating element insulation sized according to the operating temperature;
Heating element inner lining made of reflective AISI 430, amplifying the heat power of the specific equipment.

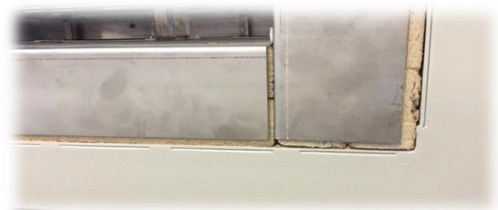
HEATING SYSTEM:

The heating system consists of shielded heating resistor batteries at the top and at the bottom between the rollers.



The temperatures are separately controlled on each heating element, and between the upper and lower side of rollers, by means of special thermocouples and related self-regulators.
Each heating element is fitted with a hot air forced convection system in a closed circuit for maximum energy saving, composed of one ventilator controlled by inverter, and a battery of special diffusers.
This system ensures a perfect distribution of hot air on the glass panel, controlling the blow of air and temperature according to production requirements, thus achieving a thermal balance inside the heating elements.

The thermal insulation of the heating elements consists of high quality 100 mm thick insulation material, which allows the machine to work at a temperature of 250° ensuring a maximum thermal insulation. The internal insulation panels are placed in such a way as not to create any contact with the external structure, avoiding normal heat transfer and therefore allowing a natural heat-dissipation to the outside.
The inner lining of the heating elements coating the insulation is made of stainless-steel sheet reflecting brightness and temperature, in order to obtain maximum efficiency and heat exchange with consequent energy saving.
A widespread suction system installed along the perimeter of the heating elements avoids any leakage of vapours generated by the enamel, having a separate regulation at each point of suction.



COOLING SYSTEM:

The cooling system consists of a set of high-pressure electroventilators installed on the system above the glass and on the system under the glass. The electroventilators inject a considerable air mass at room temperature inside the tunnel, which is then dissipated through special diffusers, cooling the glass.

Before being diffused inside the tunnel, the air is filtered. The air injected into the tunnel is then suctioned by pipes connected to the main ventilator of the suction chimney

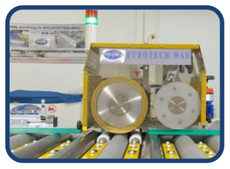
AUTOMATION:

The machine is controlled and operated by means of a plc with dedicated software.
All parameters as to speeds, cycles and temperatures are managed through a touch-screen operator interface, being everything controlled by an inverter, thus allowing to save the parameters in special recipes

ROBOCLEAN
Robot for cleaning and polishing
fused silica rollers installed inside glass
tempering furnaces

SCREEN PRINTING MACHINES

DRYERS



EDGE ROLLER COATING MACHINE

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EuroTech Way S.r.l.

EUROTECH WAY

WITH A VIEW TO PROMOTING THE MADE-IN-ITALY

INTRODUCES TO THE WHOLE WORLD

I.R.D. DRYER

It is not an advertising invention, but rather the result of years of research oriented towards technological innovation.