PYROLYTIC CLEANING OVEN

PyroLift
Pyrolytic Cleaning System

The MIT pyrolytic oven is an industrial machine designed for **cleaning plastic extrusion dies containing polymer residues**, such as extrusion heads, injection nozzles, dies, etc., in a completely oxygen-free environment. Cleaning is performed by controlled pyrolysis, which can reach operating temperatures of 550°C, in a **nitrogen-inerted atmosphere**.

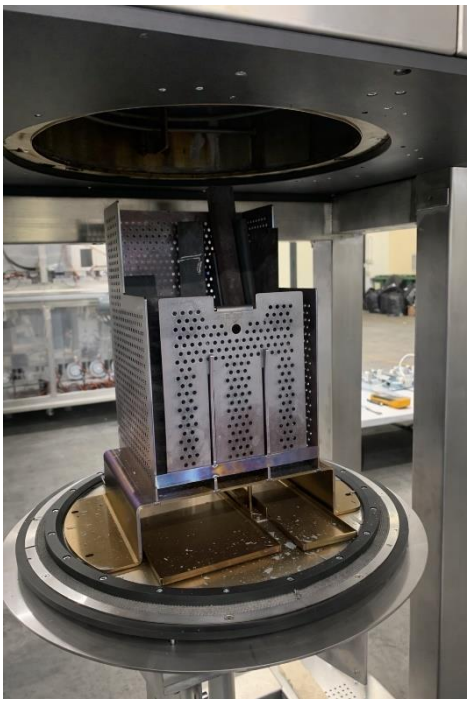


General description

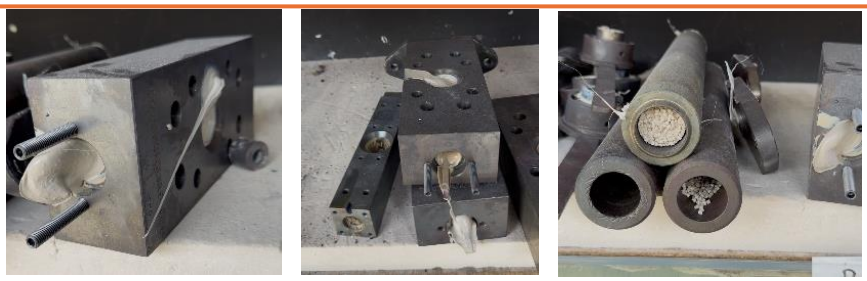
Overall dimensions	≈ 1200 mm x 1260 mm x h 3220 mm
Treatment chamber	Equipped with heating elements, temperature monitoring, a nitrogen inerting system and an outlet duct conveying synthesis gas and inert gas to the afterburner. Movable loading platform for opening/closing the chamber.
Loading method	Manually loaded machine
Maximum load weight	120 kg

European standard electrical specifications

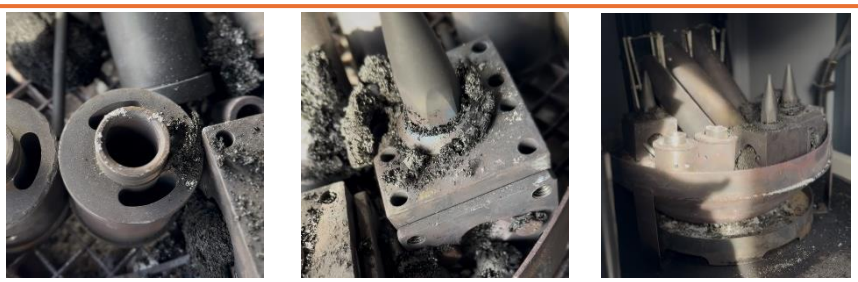
Power supply	400 Vac, 3P+N+PE
Frequency	50 Hz
Consumption	Max 30 kW/h



Loading platform with die container



DIES BEFORE PYROLYTIC CLEANING

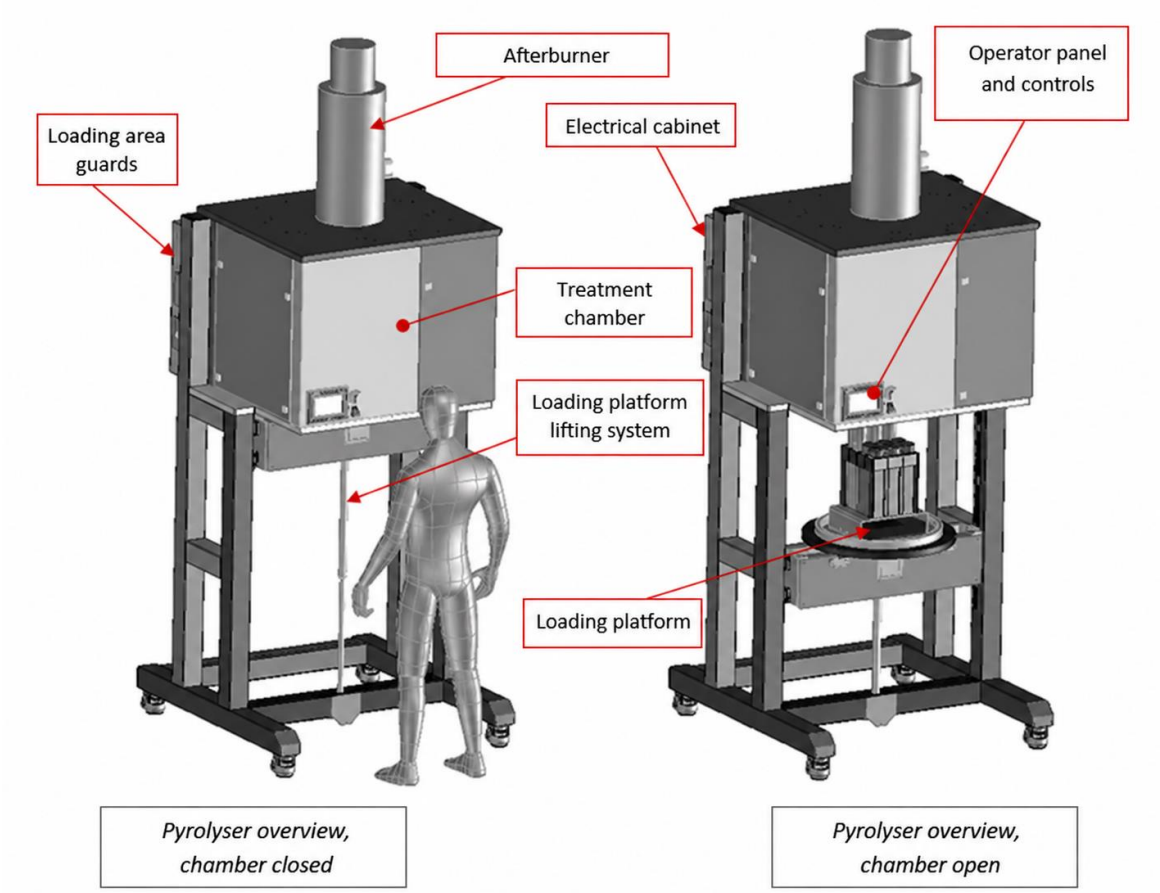


DIES AFTER TREATMENT

PIROLYFT is marketed by EPROTECH SRL

For more information, visit www.eprotech.it

EPROTECH
environmental protection technology





Pollutant treatment

To prevent pollutant emissions into the environment, pyrolysis gases are treated by fully oxidising carbon monoxide, tars, hydrocarbons and any dioxins into CO_2 and water vapour. Oxidation takes place in a dedicated afterburner chamber, where a hot-air blower draws in fresh ambient air and heats it to **900°C.** This produces a continuous hot, turbulent flow that reacts with the pyrolysis effluent inside the afterburner chamber. Effective treatment of all pollutants is ensured by the combination of high temperature, turbulent flow, excess oxygen (>2 times the stoichiometric ratio) and a residence time in the afterburner chamber of at least 2.5 seconds, as recommended by standards and scientific literature.