



MICROEX CAST

Benchtop Cast Film Extrusion Line for Quality Control

OPERATING PRINCIPLE

Microex Cast is a benchtop cast film extrusion line designed for the quality control of polymers, compounds, masterbatches and recycled materials. The film samples can be used for mechanical properties testing, visual control of defects, processability of polymers and color matching



MAIN FEATURES

Microex Cast is capable to process a huge variety of polymers, from standard Polyolefines to Biopolymers and Technopolymers, with a thickness range from 20 to 800 μm .

Its special screw design allows to use standard commercial pellets and the screw extraction system permits the disassembling of the screw in less than 5 minutes, accelerating the cleaning and maintenance operation.

The extruder has longitudinal movement to setup the distance from the die lip to the chill roll.

The chill roll has internal water circulation system for the thermo-regulation of the roll surface.

Plug and play designed, the machine works with single phase industrial plug or standard 240V home plug, with a consumption of less than 3 KW.

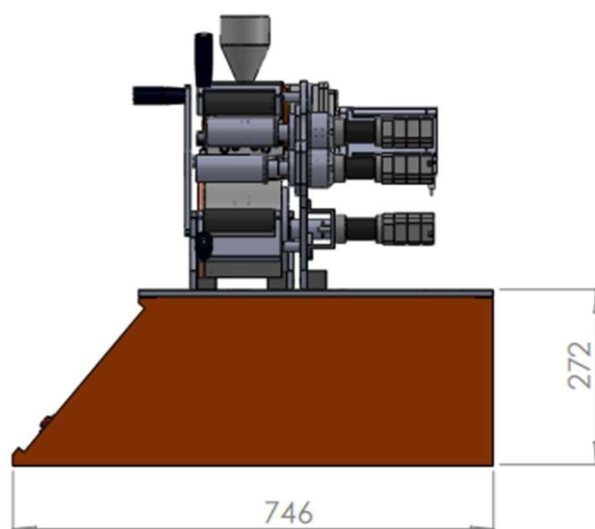
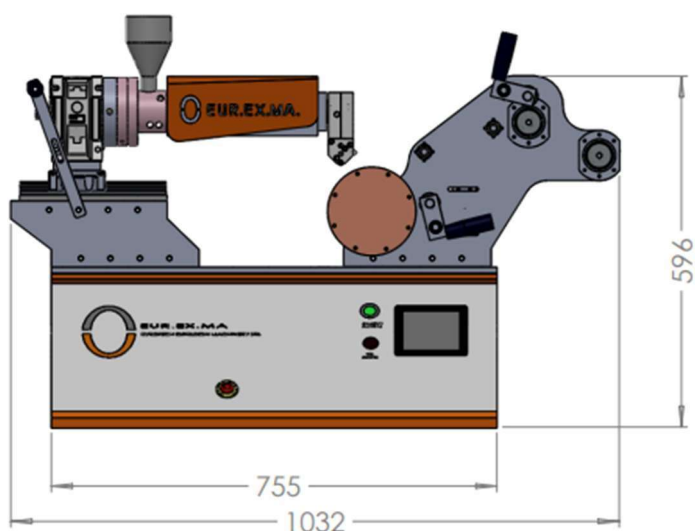
An extremely user friendly control panel allows to save and export process data on external USB memory.

Microex Cast is easy to interface with an ERP or production management software with integration via Industry 4.0.

Microex Cast can be equipped with EYES, visual quality inspection system able to detect and categorize all of the commonly known defects, a very smart combination for quality control of recycled polymers.

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TECHNICAL DATA



Screw Ø	17,5 mm – special lab design
Throughput	1 Kg/h max.
Layflat	100 mm max.
Thickness Range	20-800 µm
Total Installed Power	3 KW, 240 V single phase