



microex CP TWIN

Benchtop Compounding Extrusion Line for Quality Control

MICROEX CP TWIN is the smallest version of the twin-screw compounding lines, designed to test different formulations of compounds. This model allows the quality control of recycled materials, color masterbatches, and additives with low waste and energy consumption.

OPERATING PRINCIPLE

Thanks to a co-rotating twin-screw extruder, this line achieves the optimal mixing efficiency of standard powders using small batches of material (300g) and replicating the efficiency of a standard-size extruder.

The machine is available in two versions. The first is composed of a water tank and a strand pelletizer while the second features an underwater die face cutting unit. Each configuration is designed to guarantee precise control of the temperatures and a better process quality.



MAIN FEATURES

MATERIAL COMPATIBILITY

Compatibility with a wide variety of materials, virgin or recycled, from standard Polyolefins to TPU, TPE, PA, PET, PE, PC, PMMA, PP.

TWIN-SCREW EXTRUDER 12 mm Ø

The twin-screw configuration of the extruder guarantees the processing of small batches of different materials with low waste delivering high-quality results.

INTERCHANGEABLE SCREW SECTORS

Screws are made up of interchangeable sectors suitably assembled depending on the profile needed for the specific production process.

UNDERWATER DIE FACE CUTTING

Microex CP TWIN can be equipped with an underwater die face cutter, a water pump, and a dryer. This system is designed to cool down pellets and drag them to the collection point.

HIGH-QUALITY COMPONENTS

Equipped with high-quality mechanical and electrical components that enable a continuous work under stress.

LOW ENERGY CONSUMPTION

Plug & Play designed, the machine works with single-phase industrial plugs or standard 220V home plugs, with a consumption of less than 3 KW

TOUCH SCREEN CONTROL PANEL

Visualization of temperature control for each zone on dedicated pages. Led indication of the motors status with protection alarms. USB ports to save and export process data.

SIMPLE TO USE

Extremely user-friendly line, manageable by a single person in only a few steps and ready-to-use in less than 10 minutes.

TECHNICAL DATA

TECHNICAL SPECIFICATION	MICROEX CP - TWIN
	twin-screw
Screw Ø	12 mm
Input Material Form	powders
Processed Materials	TPU, TPE, PA, PET, PE, PC, PMMA, PP
Throughput Max	1 kg/h

TECHNICAL DRAWINGS / LAYOUT

