

THERMOPLASTIC POWDERS MIXING

COMBIMIX RV MIXING SYSTEM

The combination of our high speed mixer TRM with the vertical cooler RFV.
Compact solution when the space in height is limited.

Size from 200 lts TRM mixer with 400 lts RFV cooler up to 2000 lts TRM mixer with 4300 lts RFV cooler.



COMBIMIX RO MIXING SYSTEM

The combination of our high speed mixer TRM with the horizontal cooler RFO.
Simple solution for direct feeding of the extruder for soft PVC production.

Size from 200 lts TRM mixer with 500 lts RFO cooler up to 2000 lts TRM mixer with 5500 lts RFO cooler.



LABORATORY

TRL LABORATORY MIXERS

The laboratory mixer TRL is suitable to mix PVC dry blend, powder coatings, masterbatch and pigments, thermoplastic rubbers, wood plastic composites and many other plastic or chemical products.
Standard with double jacket for water circulation.
It helps to find the proper mixing process conditions to be applied to the industrial mixers.

Two versions: overturning & stationary with discharge valve.

Size from 5 to 60 lts.



COMBILABO RV LABORATORY MIXING SYSTEM

It can be combined with a vertical cooler if necessary.

Size from 5 lts mixer with 10 lts cooler up to 100 lts mixer with 200 lts cooler.



MASTERBATCH, PIGMENTATION & ROTOMOULDING

TRA VERTICAL UNIVERSAL MIXER

General purpose mixer for cold batch preparation in a wide range of application like premix, homogenizing, dispersing.
It can be used for powders and/or granules for thermoplastic and thermosetting materials.

Size from 150 to 2000 lts.



THERMOPLASTIC RUBBERS

TRG TURBOMIXER

This turbomixer is suitable for thermoplastic rubbers with special design of the mixing tool and insulated double jacket for heating with hot water or diathermic oil, if required from the process.

Size from 600 to 2500 lts.



HORIZONTAL MIXERS

MO HORIZONTAL BLENDER

Wide range of application for cold blending of plastic material either in powder or in granules.
Ideal to premix additives creating a homogenous blend.

Size from 500 to 23000 lts.



HUM HORIZONTAL MIXER

Jacketed mixing vessel for water circulation if necessary. Suitable in a wide range of application for temperature-sensitive materials like powder coatings or thermosetting powders.

Size from 1500 to 7500 lts.



HEB HORIZONTAL HEATED BLENDER

Heated horizontal blender, with double jacket for hot water or diathermic oil circulation. Suitable for a wide range of application for plastic and chemical powders.

Size from 1500 to 4500 lts.



POWDER COATINGS - METALLIC BONDING

COMBIBOND HC/B MIXING SYSTEM

Combination of heating mixer TRM/B and horizontal cooler HEC or, for small sizes, vertical cooler RFV.

It is a reliable solution to bond metal pigments to powder coatings in a controlled and safe process, with control of oxygen level.

Size from 50 lts heating mixer with 100 lts cooling mixer up to from 1200 lts heating mixer with 3500 lts cooler.



TRR/FV/B CONTAINER MIXER

Container mixer in configuration for metallic bonding or blending.

To bond or blend metallic pigments to powder coatings in a controlled and safe process, with control of oxygen level.

Suitable for small production lots, thanks to easier and faster cleaning.

Size from 300 to 1000 lts.



TRL/B LABORATORY MIXER

Laboratory mixer for bonding with all the necessary safeties.

Size from 5 to 20 lts.



WOOD PLASTIC COMPOSITES

COMBIWOOD HC MIXING SYSTEM

Combination of TRM heating mixer and HEC cooling mixer to mix wood powder or natural fibers with PVC or PE/PP powders.

Size from 300 lts TRM mixer with 1000 lts HEC cooler up to 2000 lts TRM mixer with 5500 lts HEC cooler.



PVC GRANULES & DRYBLEND

RG GRANULES COOLER

Fluidized Bed Cooler positioned downstream of compounding extruder. It cools plastic granules by fluidizing them with controlled airflow, ensuring rapid, uniform temperature reduction before conveying or packaging.

Sizes from 700 to 2500 kg/h.



PM VACUUM POWDER CONVEYOR

Installed between storage and processing units, they use vacuum to safely and cleanly transfer powders, ensuring dust-free handling and consistent feeding.

Sizes from 200 to 2000 kg/h.



BIS-50 BAGGING WEIGHING UNIT

For open-mouth or valve bags, it precisely weights and fills plastic materials, ensuring accurate dosing, clean handling and efficient packaging at the end of the production line.



plasmec
Excellence in Mixing

Founded in 1967, **PLAS MEC** is an Italian manufacturer of high-performance mixing systems for PVC dryblend, powder coatings, thermoplastic rubbers, masterbatch and more. Thanks to its long-standing tradition and worldwide sales network the company's equipment is trusted by customers across the globe for its quality, reliability and innovation.