

JOLLY MIXERS

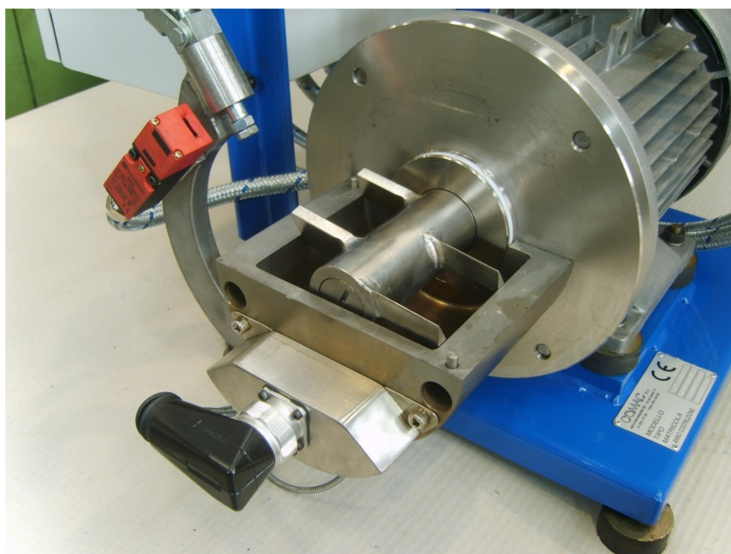
Jolly Mixers by COMAC are popular units used in many laboratories (especially, of masterbatch producers and major consumers; but, also of compound producers and users). By a COMAC Jolly Mixer, for instance, you may prepare mini-batches of product using very limited quantities of base polymers and pigments for each batch, and, in few minutes. The molten mass of polymer with dispersed pigments so prepared is then converted - by means of a mini-press, mini-calender or other device - into a suitable shape specimen for color matching.

The quality of product samples obtained by a Jolly mixer is usually even better than actually achieved in real extrusion lines; so, the emulation of results from industrial production is not 100 % true, but, using a COMAC Jolly Mixer, comparative tests can be performed (for instance, among different raw material batches as masterbatch producers, or, among different masterbatch lots as buyers) and correlations between lab sample and product with same recipe made on industrial size by extrusion lines can be established.

Jolly mixers process raw materials by means of high shear-rate rotors having geometry resulting from theoretical analysis and practical experience in the field.

We propose a "standard model" having a mixing chamber that is not heated and a "special model" having electrically heated and water cooled jacketed mixing chamber; "standard model" is suitable for products based on polyolefines, PBT and polymers like ABS, SAN; "special model" with heated and cooled mixing chamber is instead recommended for products based on highly crystalline polymers such as PA.

The picture here below show details of the mixing chamber open and stirring rotor.





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