

ELIX - New mixing technology

Main Tech offers a new generation of machinery and systems for bulk and powdered granular materials

Main Tech, which has its headquarters in the new operational site located in San Giorgio delle Pertiche (PD), is a dynamic company that for years has been designing, manufacturing and installing a new generation of machinery and complete systems for the handling, storage, dehumidification, dosing and mixing of bulk materials in granule, flake and powder form for the plastic, chemical and food industries and for any production activity that requires its technology.

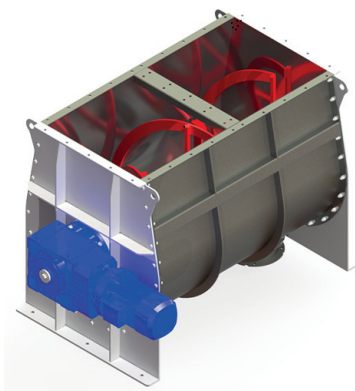
Thanks to the knowledge gained over the years, the company is able to combine the culture of innovation with the wisdom of experience, with the aim of developing products and services increasingly suited to the market needs.

The solid technical expertise acquired allows Main Tech to face and overcome customers' challenges, finding special, reliable and cost-effective solutions.

ELIX series

In recent years the company has distinguished itself by continuously adding new products to its portfolio. Among these it is important to mention the new series of mixers of the ELIX division, dedicated to the mixing and homogenization of granular and powdered bulk products, resulting from the increasing demand for these products in the recycling and compounding industry.

The solutions available for different applications are:
- horizontal mixers: Horizontal mixers from 500 to 8,000 liters with double-spiral mixing principle in counter current, with reel, with shovels and with possible choppers, to satisfy the increasing complex recipes. These can be accessorized with a jacket for heating and cooling the product, with a hopper for continuous mixing.



- Fast Conical Mixers: The conical mixer is designed for fast mixing and continuous dosing.

- Rotating drum mixer: The drum mixer is the ideal machine for mixing powders and materials with different specific weights with the addition of

dosed liquid additives.

- Vertical mixers: vertical auger mixers, from 100 to 80,000 liters, are suitable for mixing and blending granular products, which in some cases require drying with dry air insufflation.



- Y mixers: Rotating mixer on external axis suitable for the pharmaceutical industry.

All of Main Tech's machinery can be made of painted steel or stainless steel. Mixers are designed with all required safety systems and allow for complete machine cleaning.

ELIX technology aims to address the "Science of Mixing" at 360°, offering its customers integrated and tailored solutions starting

from the need, going through the process and arriving at the product.

In order to provide increasingly customised answers, Main Tech makes available its brand new laboratory equipped with a test room, where it is possible to see and try out the various types of mixers and dedicated machinery, such as the deodoriser for recycled granules.



In this way it will be possible to test and collect real data regarding the degree of mixing related to the principles, times and process speeds; it will then be possible to develop the solution starting from the result.

This important and continuous investment in research and development, in synergy with Research Centers and Universities, makes Main Tech a reliable and innovative partner.