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MULTI-FLOW BLENDING SILOS

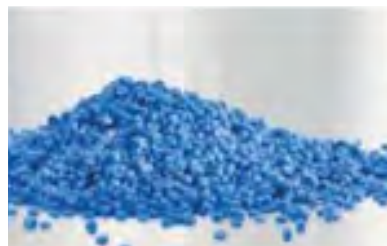
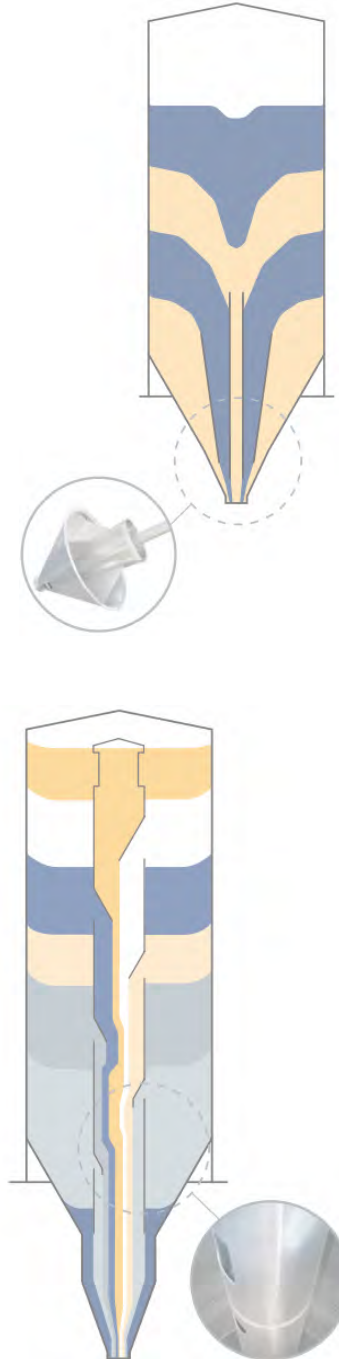
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HOMOGENEOUS MIXING HAS NEVER BEEN SO EASY

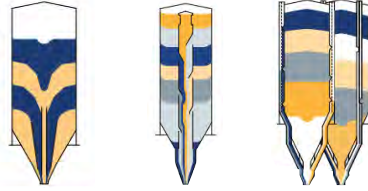
With T-MAX Multi-Flow Mixing Silo Technology, it is absolutely necessary to make a homogeneous mixture before the plastic raw materials enter the process or packaging machine immediately after the production. Today, many companies do this by using horizontal or vertical mechanical mixers. Certain problems experienced in these mixer types are as follows;

FEATURES

- » Unnecessary waste of time in raw material changes.
- » Difficulty in cleaning inside the silo and limited intervention areas inside the silo.
- » Increased dust amounts in friction-induced raw materials.
- » Undesirable crushing and deformities in granular structures.
- » Heating of the granules because of the excessive friction and thus surface damage.
- » Sudden and long-term failures due to mechanical or bearing.
- » The need for lubrication in bearings or red bushing bearings and
- » Risks of oil dripping into the raw material.
- » Constant spare part needs, especially in the production of glass fibre reinforced raw materials, due to wear on the spiral leaves or wear of the inner tube.
- » Breakage and damage of the spiral leaves due to metal fatigue due to continuous operation.
- » Contamination risks in raw materials
- » Long maintenance times and high maintenance costs.
- » T-max has developed "Multi-Flow Silo" technology to eliminate all these and similar problems and to ensure uninterrupted production efficiency.
- » It has solved all the problems thanks to the gravity mixing method it has developed and its conical and internal structure design.
- » Depending on the raw material properties and structure, various gravity mixing methods are preferred. Some of them are given in the image below for information only.
- » According to the test results to be made by T-MAX expert engineers and the raw material structure and variety, the most suitable design will be suggested for your business.
- » We test your raw material in our test centre in our silo factory and decide on the most suitable silo volume and the mixer method to be applied.



Different mixture and application methods according to raw material structures.



	Multi-Flow Silo	Multi-Line Silo	Multi-Line and Multi-Stream Silo
Powder, easy-flowing and 50-500 µm	✓	✓	(✓)
Granules, easy-flowing, 200-300 µm	✓	✓	✓
Powder, hardly-flowing raw material types	✓	✓	(○)
	✓ Proper	(✓) Limited Application	(○) Improper



FEATURES:

- » A wide variety of silos and products range between 1 m³ -250 m³
- » Fast, perfect, and continuous homogeneous mixing.
- » Very fast cleaning, no auger, windows in conical or cylindrical body.
- » Material with a high risk of wear due to flanged connection
- » Quick and easy lower taper change in use.
- » Dust-free and undamaged raw material structure.
- » Maintenance-free design. Zero maintenance expense.
- » It eliminates the known and experienced mechanical mixer problems.
- » Continuous or batch working flexibility.
- » Possibility to be applied to new interior or exterior silos.
- » Easy adaptation to internal or external silos in the business.
- » More suitable structure and design for occupational safety.



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