



Anhui Yechuang Machinery Technology Co.,Ltd.

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In fertilizer industry,We provide granular fertilizer solutions in the following three categories:

Inorganic – Classical approach to manufacturing fertilizers using inorganic raw materials such as sulfuric acid, phosphoric acid, ammonia, potash,phosphate rock, NPK etc.

Organic – Utilizes bio-waste to create a granular fertilizer product, such as compost chicken manure,cow manure,sheep manure, crop straws, human waste,so on.Other inorganic raw materials can be added to increase the plant food value as well.

Waste-to-Fertilizer – Many industrial processes create process by-products and other materials containing plant food value that can be converted to a granular fertilizer.

Ammoniated Phosphates (MAP, DAP)

Manures (cattle, swine, poultry)

Ammonium Sulfate

Biosolids

Sulfur

Compost & other organic materials

Potash

Superphosphates

NPK

Urea



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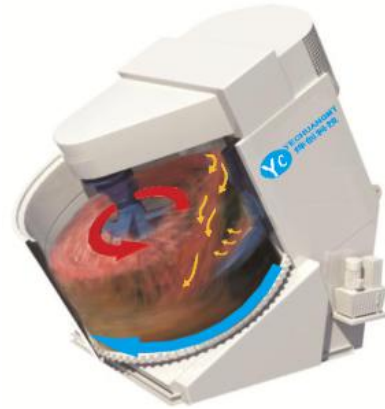
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The unique structure and advanced working principles

With unique outline structure of 30° inclined angle mixing silo, mixing pan in clockwise rotation plus high speed rotating three-dimensional mixing tools in anticlockwise, our intensive mixers are adopted with world-leading mixing principles:



- 1)When mixing under the strong mechanical shearing force , the inclined rotating mixing silo brings the material to the top, rolling of granules dropping under gravity and peeled off by the multi-purpose scraper, which primely realize the vertical mixing.
- 2)The mixing tool can run variably, slow to fast for mixing ,granulating,increase of rolling energy .
(i.e. the input of power into the mix can thus be controlled specifically,thus the granule sizes can be controlled accordingly)
- 3)The separation between material move and mixing process allows the speed of the mixing tool variable within wide limits.

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Thus it offers users the following significant advantages:

- 1) Mixing processes and mixing speeds can be adjusted to suit the respective formula.
- 2) The granulator is suitable for mixing and granulating.

This provides a cost-effective solution for the production of granules (Mixing, granulation, drying processes accomplished once in the same equipment and improving the thermal efficiency)

- 3) High tool speeds allow
 - dry basic materials to be homogenized optimally
 - microgranules to be formed after addition of liquids
- 4) Low tool speeds allow bigger granules to be formed and rounded,granules up to 6mm possible
- 5) Special tools enable high yields of fine granules to be obtained(e.g.0.2 to 0.8mm)
- 6) Various sizes(5L to 3000L) with diverse materials of wear mixing tools and discharge ways optional.
- 7) Mix temperatures of up to 250°C are possible
- 8) Significant cost savings compared to thermal granulation and fluid-bed agglomeration



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Model List

Model		MX05T	MX08T	MX09T	MX11	MX12	MX15	MX19	MX24
Item									
Mixing Silo	Mixing Volume	40L/65KG	75L/120KG	150L/240KG	200L/300KG	300L/400KG	500L/800KG	1000L/1500KG	2000L/3000KG
	Silo Dimensions	Ø500*360	Ø800*500	Ø900*700	Ø1100*750	Ø1250*800	Ø1500*820	Ø1900*890	Ø2400*1200
	Inclined Angle	30°	30°	30°	20°	20°	20°	20°	20°
	Rotating Speed	27rpm	32rpm	22rpm	20rpm	22rpm	17rpm	11rpm	14rpm
	Motor Power	1.5KW	4.5KW	5.5KW	7.5KW	11KW	18.5KW	15KW	37*2KW
Mixing Rotor	Rotor Dia.	280mm	350mm	450mm	580mm	650mm	700mm	900mm	1200mm
	Rotating Speed	120rpm	700rpm	750rpm	600rpm	300rpm	500rpm	500rpm	200rpm
	Motor Power	15KW	15KW	22KW	22KW	37KW	75KW	75KW	220KW
Discharging Door	Discharging Way	Silo Inclines to Discharge	Silo Inclines to Discharge	Silo Inclines to Discharge	Hydraulic Central Discharge	Hydraulic Central Discharge	Hydraulic Central Discharge	Hydraulic Central Discharge	Hydraulic Central Discharge
	Pressure	70Kg/cm ²	70Kg/cm ²	70Kg/cm ²	70Kg/cm ²	70Kg/cm ²	70Kg/cm ²	70Kg/cm ²	70Kg/cm ²
	Motor Power	0.75KW	2.2KW	2.2KW	2.2KW	2.2KW	2.2KW	2.2KW	3.75KW

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Main Features

- 1) Short processing time ,low space requirement,economical construction cost
- 2) Less wear compared to press agglomeration
- 3) Granulating result and granulating quality remain unchanged even if only partial quantities are mixed, down to 30% of the nominal capacity
- 4) Less structural maintenance with high energy saving
- 5) Convenient maintenance with super long service life
- 6) Continuous or batch-wise operation both available
- 7) The granulator can be heated

Our Fertilizer Production Line On Site



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