



Anhui Yechuang Machinery Technology Co.,Ltd.

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Ceramic:YECHUANG MT mixing technology for ceramic industry has been proved reliable and economical. On the basis of the different finished products and process,the mixing solution provided by YECHUANG MT has perfectly solved the preparation for ceramic materials and bodies.



Granules/Press bodies for
 - ceramic tiles
 - stove tiles
 - technical ceramics

Granules for
 - molecular sieves
 - proppants
 - grinding balls
 - expanded sand / expanded clay / expanded glass

Plastic bodies for
 - ceramic tiles
 - roof tiles
 - clay bricks
 - stove tiles
 - utility ceramics
 - technical ceramics
 (catalysts, high-temperature materials)

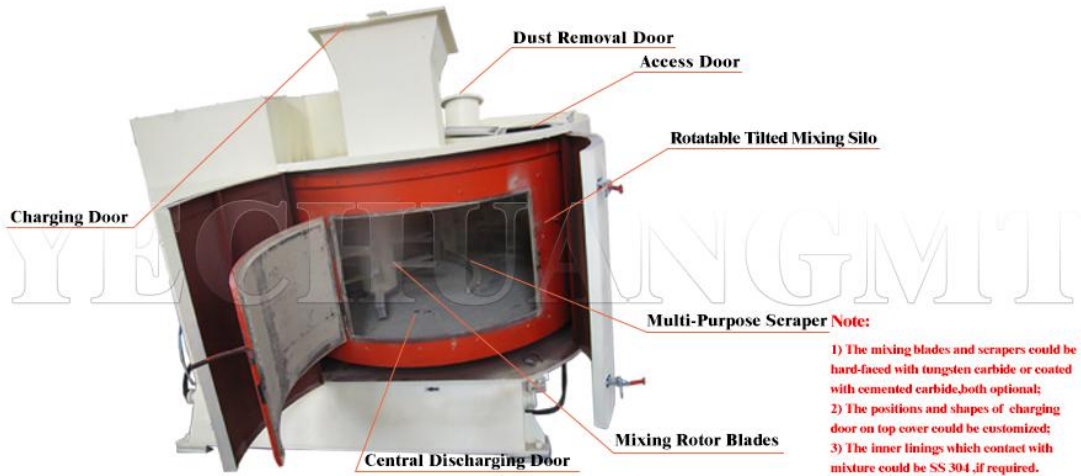
Bodies for foamed and heat insulation ceramics
 - Spray slurry for
 - wall and floor tiles
 - utility ceramics
 - technical ceramics

Fiber-reinforced ceramics
 - carbon ceramics for brake disks

Casting slurry for
 - sanitary ceramics
 - technical ceramics
 - utility ceramics

Nonceramics

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Diverse Functions

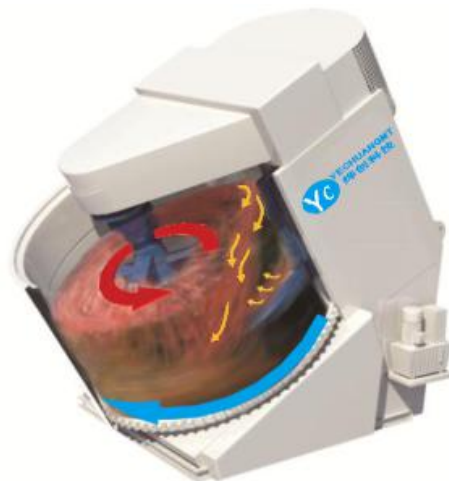
Mixing , kneading , batching , slurring , dispersing , cooling , plasticizing , forming , deaeration , crushing , fibrillating , heating , agglomerating , granulating , drying , weighing , measuring , conveying



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, which 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, kneading, granulating, dispersing etc. (i.e.



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the input of power into the mix can thus be controlled specifically)

3)The separation between material move and mixing process allows the speed of the mixing tool variable within wide limits.

This mixing principle offers the following options:

- The mixer is suitable for mixing as well as granulating,kneading and dispersing
- The mixing tool can be run variably, at low or high speed
- The input of power into the mix can thus be controlled specifically
- High tool speeds allow
- agglomerates to be disintegrated perfectly
- fibers to be disintegrated optimally
- primary particles to be completely coated with an organic solvent film when dispersing
- Medium tool speeds allow high-quality mixtures to be produced
- extrusible mixes to be kneaded effectively
- green scrap and drying losses to be plasticized or dispersed again
- Low tool speeds allow lightweight aggregates or synthetic foams to be mixed-in smoothly



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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/1500K G	2000L/3000K G
	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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YECHUANG MT intensive mixers offer users the following significant advantages:

- 1) The maximum uniformity of materials in minimum processing time.Batch time of dry mix with pigment is 3~6 mins,granulating time within 10 mins
- 2) Higher apparent densities,particularly tight,hard to break
- 3) Dry mixing: Distinctly fewer repairs due to wear compared to cylindrical mixers
- 4) Mixing result and mixing quality remain unchanged even if only partial quantities are mixed, down to 30% of the nominal capacity
- 5) Less structural maintenance with high energy saving
- 6) Convenient maintenance with super long service life
- 7) High effective volume,small space requirement,,economical construction cost
- 8) Good kneading effect on plastic slurry preparation
- 9) Different particle sizes could be achievable by the same equipment accordingly,size from 0.1mm to 6mm
- 10) Our intensive mixers are totally enclosed,there is hardly any dust during operation
- 11) Continuous or batch-wise operation both available

Our Ceramic Production Line On Site



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