



Anhui Yechuang Machinery Technology Co.,Ltd.

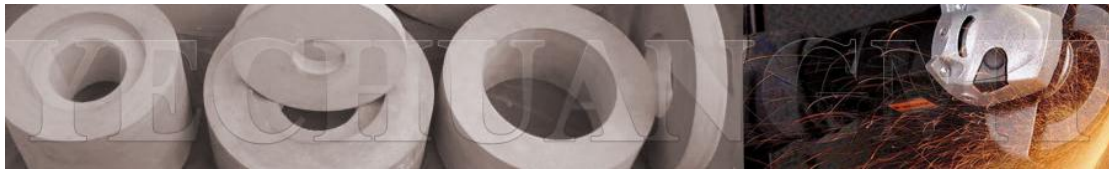
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For abrasives,the most important abrasive product manufactured is the grinding wheel. Made of abrasive grain and a binder, or “bond” ,usually vitreous, ceramic bond. The ability or quality of the grinding wheel is controlled by the nature of the bond used and the ratio of abrasive to bond, measured by a weight meter.

In the manufacture of grinding wheels, YECHUANG MT intensive mixer ,with specific weighing scales, ensures the precise amounts of the abrasive grain and bonding materials at first. Under the action of advanced inclined mixing technology,all the bond mixture will be thoroughly mixed and evenly distributed together with the abrasive grain.This guarantees the high quality of the grinding wheel and other abrasive products.



Abrasives

- for abrasive grains (coating), e. g.
- corundum
- silicon carbide
- zirconium aluminum oxide
- diamond

Grinding tools

- ceramic-bonded grinding media
- synthetic resin-bonded grinding media
- metal-bonded grinding media
- flex wheels
- coated abrasives
- vibratory grinding media
- ceramic vibratory grinding media
- plastic-bonded vibratory grinding media



Diverse Functions

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

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The Unique Structure and Advanced Working Principles

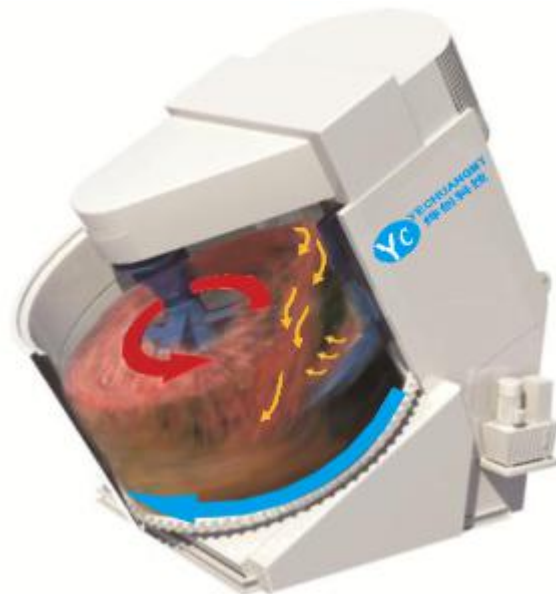
With unique outline structure of 30° inclined angle mixing silo, mixing pan in clockwise rotation plus high speed rotating three-dimensional mixing tools in anticlockwise, our intensive mixers are adopted with world-leading mixing principles:

1.When mixing under the strong mechanical shearing force , the inclined rotating mixing silo brings the material to the top, 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.

(i.e. 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.



Thus it offers users the following significant advantages:

- 1) The mixing tool can be run variably, slow to fast
- 2) The input of power into the mix can thus be controlled specifically
- 3) High tool speeds allow
 - fines to be mixed optimally
 - agglomerates to be disintegrated perfectly
 - very small amounts of additives to be mixed-in optimally
- 4) Medium tool speeds allow coarse grains to be completely coated with binder
- 5) The mixer is suitable for producing slightly trickling press bodies (easier filling of molds)
- 6) The mixer is not only suitable for mixing but also for kneading / plasticizing
- 7) The mixer is suitable to transfer fine material mixes into granules (easier filling of molds)

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8) Less pore forming(better filling of molds)

Further Advantages:

- Mixing processes and mixing speeds can be adjusted to the respective formula
- Only one moving tool, thus easy cleaning
- Removable mixing pan if mixers are used in sizes from 5 L and 8-10 L
- Discharge by tilting of mixing pan if mixers are used in sizes of 40 L and 150 L
- Operation under explosion protection conditions / with vacuum enables working with organic solvents
- The mixer can be heated
- Mix temperatures of up to 250° C are possible
- Available size from 5 L
- Clearly low wear also with highly abrasive process material

Main Features

- 1) The maximum uniformity of material mixing in minimum time.
- 2) Dry mixing: Distinctly fewer repairs due to wear compared to cylindrical mixers
- 3) Mixing result and mixing 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) High effective volume,small working area,economical construction cost
- 7) Continuous or batch-wise operation both available
- 8) Since there is only one mixing tool,easier to clean

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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/650KG	1000L/1300KG	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	29rpm	29rpm	20rpm	19rpm	17rpm	11rpm	14rpm
	Motor Power	1.5KW	4.5KW	5.5KW	7.5KW	11KW	11KW	15KW	37*2KW
Mixing Rotor	Rotor Dia.	280mm	350mm	450mm	580mm	650mm	700mm	900mm	1200mm
	Rotating Speed	800rpm	700rpm	700rpm	600rpm	600rpm	500rpm	500rpm	500rpm
	Motor Power	15KW	15KW	22KW	22KW	37KW	55KW	75KW	160KW
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	3.75KW	3.75KW	3.75KW

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