



Anhui Yechuang Machinery Technology Co.,Ltd.

Tel: 0086-0555-6063866 Fax: 0086-0555-6063866

E-mail:sales@ahycmm.com WEB:http://www.ahycmt.com

Office ADD.:No.504,Taifang Road,Bowang District,Maanshan City,Anhui Pro.,China 243131

### Intensive Mixer for Welding Flux



In welding materials,welding flux (or soldering flux) is one of mostly common-used materials,consisted of marble,quartz ,titanium dioxide ,fiber and so on. YECHUANG MT intensive mixer could mix and granulate the raw materials,allow basic materials to be homogenized optimally, and make microgranules to be formed after addition of liquids. With mixing and granulating functions in only one mixer,the special mixing tools enable high yields of fine granules to be obtained from 0.2 to 0.8mm.



Fused Flux

- acidic fused flux
- neutral fused flux
- alkaline fused flux

Non-fused flux

- agglomerate flux
- sintered flux

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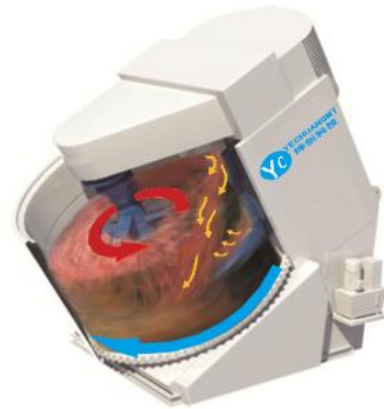
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### The unique structure and advanced working principles

With unique outline structure of 30° inclined angle mixing bowl, 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:

- ❖ When mixing under the strong mechanical shearing force, the inclined rotating mixing bowl brings the material to the top, rolling of granules dropping under gravity and peeled off by the multi-purpose scraper, which primarily realize the vertical mixing.
- ❖ 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)
- ❖ The separation between material move and mixing process allows the speed of the mixing tool variable within wide limits.
- ❖ The material of mixing bowl contacted with materials could all be SS 316 or SS304, to prevent it from corrosion and to extend the lifespan of mixing bowl.





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### Thus it offers users the following significant advantages:

- The mixing tool can be run variably, slow to fast
- The input of power into the mix can thus be controlled specifically
- High tool speeds allow
  - fines to be mixed optimally
  - agglomerates to be disintegrated perfectly
  - very small amounts of additives to be mixed-in optimally
- Low tool speeds allow bigger granules to be formed and rounded, granules up to 6mm possible
- Special mixing tools enable high yields of fine granules to be obtained from 0.2 to 0.8mm
- Mixing and granulating in only one machine
- Combination with disk pelletizer possible:
  - grain spectrum adjustable within narrow limits
  - pellets with a diameter of up to 30mm producible

### 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

### PRODUCT DETAILS



**Part Name: Mixing Bowl**

**Brand: YECHUANGMT**

**Original: China(mainland)**

**Bottom, cover and side walls with smooth finished surfaces for easy**

**inery Technology Co.,Ltd.**



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**cleaning.Individually designed to charge and discharge according to the product parameters and the conditions of installation.**

**Part Name:Lubrication Oil Pump**

**Brand: Tilorms**

**Original: China(Taiwan)**

**Applying Tilorms model RF-3 lubrication control system(made in Taiwan),monitoring the hydraulic pump and reducer oil temperature,oil level real-timely.**



**Part Name:Electric Motor**

**Brand: Siemens Beide**

**Original: Sino-Germany Joint Venture**

**The mixing rotor driving motor is at the back top of the mixer.Power requirement,speed and the type of power transmission are chosen in accordance with the particular application.**

**Part Name:Hydraulic Pressure Pump Station**

**Brand: Kompass**

**Original: China(Taiwan)**

**We use Taiwan Kompass hydraulic pressure pump station to serve the oil cylinder.Normally, since the factors of safety on shipment,the oil will be empty when delivery.**



## **PRODUCT FEATURES**

- The maximum uniformity of material mixing in minimum time.
- Dry mixing: Distinctly fewer repairs due to wear compared to cylindrical mixers
- Mixing result and mixing quality remain unchanged even if only partial quantities are mixed, down to 30% of the nominal capacity
- Less structural maintenance with high energy saving
- Convenient maintenance with super long service life
- High effective volume,small working area,economical construction cost
- Continuous or batch-wise operation both available
- Since there is only one mixing tool,easier to clean

## **MAIN PARAMETERS**

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Model		MX11	MX12	MX15	MX19	MX24
Item						
<b>Mixing Bowl</b>	Mixing Volume	120L/200KG	200L/300KG	500L/500KG	1000L/1000KG	2000L/2000KG
	Bowl Dimensions	Ø1100*750	Ø1250*800	Ø1500*820	Ø1900*890	Ø2400*1050
	Inclined Angle	30°	30°	30°	30°	30°
	Rotating Speed	20rpm	22rpm	17rpm	12rpm	15rpm
	Driving Motor Power	7.5KW	11KW	11KW	15KW	45KW
<b>Mixing Rotor</b>	Rotor Dia.	580mm	650mm	700mm	900mm	1100mm
	Rotating Speed	600rpm	600rpm	500rpm	500rpm	500rpm
	Driving Motor Power	22KW	37KW	55KW	75KW	160KW
<b>Discharging Door</b>	Discharging Way	Hydraulic Central Discharge	Hydraulic Central Discharge	Hydraulic Central Discharge	Hydraulic Central Discharge	Hydraulic Central Discharge
	Pressure	70Kg/cm <sup>2</sup>	70Kg/cm <sup>2</sup>	70Kg/cm <sup>2</sup>	70Kg/cm <sup>2</sup>	70Kg/cm <sup>2</sup>
	Hydraulic Pump Power	2.2KW	2.2KW	3.75KW	3.75KW	3.75KW
<b>Dimensions(L*W*H)mm</b>		210*1500*2100	2200*1700*2300	2800*1970*2600	3300*2680*2500	3900*2920*2500
<b>Weight(KG)</b>		3500	4300	7000	11000	18000

## Innovative Design Respectively,Applied to All Industries

### ■ Ceramics



### ■ Refractories

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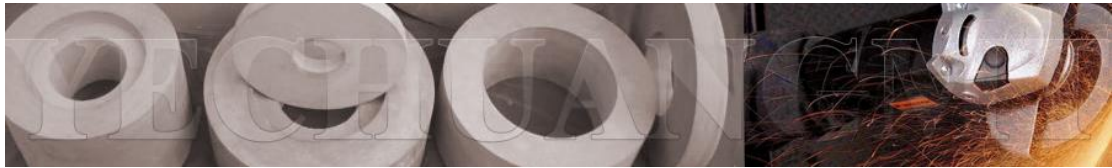
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■ Fertilizers



■ Abrasives



■ Welding Materials



■ Animal Feeds

