

Архангельск (8182)63-90-72
 Астана (7172)727-132
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89
 Иваново (4932)77-34-06

Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41
 Нижний Новгород (831)429-08-12
 Новокузнецк (3843)20-46-81
 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16

Пермь (342)205-81-47
 Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
 Тверь (4822)63-31-35
 Томск (3822)98-41-53
 Тула (4872)74-02-29
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Уфа (347)229-48-12
 Хабаровск (4212)92-98-04
 Челябинск (351)202-03-61
 Череповец (8202)49-02-64
 Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://bestech.nt-rt.ru/> || bhn@nt-rt.ru

Sand Mixer Machine

Sand Mixture Machine for Foundry



S11 series roller type sand mill machine adopts the spring pressure technology and works inside and outside the scraper on the sand through stirring and rotating grinding wheel rolled up sand objective.

- S11 series roller type sand mill machine adopts the spring pressure technology and works inside and outside the scraper on the sand through stirring and rotating grinding wheel rolled up sand objective.
- Sand mill machine is a perfect sand mixing machine and widely used in medium and small foundry factory.
- S11 series roller type sand mill is simple structure, easy operated and high efficiency.

Type	Disk dia.(mm)	Sand mix capacity(t/h)	Feed capacity(kg)	Power(kw)
S1110	1000	1.5-2	110	4
S111A	1250	2-4	140	4
S114C	1820	10-13	500	15
S118	1800	13-15	500-600	22
S1115	1500	6-8	300	11

Furan Resin Sand Casting Mixing Moulding Process



Resin sand mixing machine refers to a sand mixing machine that can be used for continuous operation of mixing resin molding sand and core sand in casting enterprises. The machine is a resin self-hardening sand mixing machine that is used for continuous mixing of liquid curing agent and liquid resin or for core making

Description furan resin sand casting mixing moulding process

Foundry Furan resin sand casting mixing moulding process is a no-bake sand molding process, which furan resin plays a role as a bonding agent. This molding technique maintains pretty excellently in casting good quality and smooth surface finish. Whereas, some limitations are high cost and high raw material requirements.

Furan resin sand casting is a molding process. This method uses furan resin as a bonding agent and mixes with Catalyst in a suitable proportion to produce sand mold.

The mixing ratio of furan resin binders for casting groups is different depending on the mass of the castings mass.

Concerning this technique, the sand mold is self-harden. It can concrete at the room temperature.

The furan resin process helps the mold to solidify easily and creates products with a highly polished surface and good quality.

Furan resin sand casting mixing moulding process raw material

The raw material of this method includes sand, furan resin, solidification agent, and annexing agent.

Regarding to the sand requirement, the content of SiO_2 should be high, the content of mud and the value of acid should be low.

With respect to the furan resin, it is considered few or without nitrogen based on the technique demand and the structures of the metal castings.

About solidification agent, generally, we should use organic sulfuric acid solution.

Finally, adding some annexing agents can improve the property furan resin self-hardening sand; increase the intensity of resin sand.

type	productivity (T/H)	arm length(mm)	forearm length(mm)	the sand mouth height(mm)	assembly power(kw)
S255	5	2200	1200	1400	10.47
S2510	10	3000	1300	1600	16.5

S2515	15	3000	1600	1600	28.04
S2520	20	2600/3000	2100	1600	30.0
S2530	30	3000/4000	2100	1600	32.0
S2540	40	3500/4000	2100	1600	39.0
S2550	50	4000/5000	2100	1600	43.0
S2560	60	4000/5000	2100	1600	47.0

High-Speed Continuous Sand Mixers



This series equipment is mainly used for resin sand and silicate sand.

Description of High Speed Resin Sand Mixer

High Speed Resin Sand Mixer Swivel Base:

All Tinker Bestech high speed mixers are mounted to heavy gauge steel bases that can be bolted to the floor for stationary operation. Featuring a small floor imprint, each mixer requires little floor space for efficient and economical operation.

Mixing Chamber of high speed resin sand mixer:

All Tinker Bestech high speed sand mixing chambers are made from extremely heavy gauge hardened steel to handle the abusive sand conditions on a day-to-day operating basis. Designed for easy and safe operator access, each mixer features dual rear-hinged chamber doors that can easily be opened without specialized tools for cleaning and maintenance. The rear-hinge door application is standard on all Tinker Bestech High Speed Sand Mixers.

High Speed Resin Sand Mixer Direct Drive Mixing System :

The mixing chamber houses the alloy steel drive shaft that holds tungsten-carbide faced mixing blades. The drive motor is direct-coupled to the drive shaft eliminating any external belt or gearing system.

Model	S242	S243	S245	S248	S2410	S2412
Productivity (t/h)	2	3	5	8	10	12
Diameter (mm)	Φ175	Φ175	Φ203	Φ219	Φ219	Φ225

Rotation rate (r/min)	940	960	960	960	970	720
Motor power (kw)	2.2	3	4	5.5	7.5	7.5
Gyration radius (mm)	R850	R1500	R2000	R2000	R2000	R2000
Curing agent for pump flow (l/h)	49	49	49	75	101	120
Binder quantitative accuracy	<±2%	<±2%	<±2%	<±2%	<±2%	<±2%

Foundry Green Sand Muller



The rotor sand mixer has two rotors, rotating by motor. This machine is batch type. The blades of rotor is alloy steel, wear-resisting well. At the bottom plate of mixer has three scraper blades.

Foundry Green Sand Muller Discription

GS foundry green sand Muller are with modern requirements of sand preparation with increased rotary speed and adjustable pressure which creates best condition for all types of sand.

GS foundry green sand mullers are of sturdy construction and easy to maintain. The adaptation of a successful procedure to modern requirement of sand preparation at increased rotary speed and adjustable pressure. The possibility of adjustment of the muller pressure creates one of the best conditions for all type of sand. Muller pan is protected with wear resisting replaceable bottom plates and the side wall within the zone of the scrappers.

The scrappers are brazed with tungsten carbide tips. Crib fabricated from MS plates, are reinforced at the top & bottom to prevent any disturbance while machine is working. The crib is bolted to the pan base and is of detachable type for maintenance purpose. Special housing assembly ensures no leakage of sand and water from the pan.

foundry green sand muller technical parameter

Model	GS20-55	GS20-75	GS22-75	GS22-90	GS25-110	GS25-132	GS29-200
(mm)	2000	2000	2240	2240	2500	2500	2850

Disk diameter							
(t/h) Capacity	20~28	25~32	30~35	35~40	40~50	50~60	60~80
(KW)Main motor power	55	75	75	90	110	132	200
(KW)Rotor motor power	2×30	2×37	2×45	2×45	2×45	2×55	2×55

Rotor Sand Mixer For Green Sand Molding Plants



The rotor sand mixer has two rotors, rotating by motor. This machine is batch type. The blades of rotor is alloy steel, wear-resisting well. At the bottom plate of mixer has three scraper blades.

GS Series High-efficiency Rotor Sand Mixer for green sand molding plants

GS series high-efficiency rotor sand mixer has the following characteristics:

1. All components have an unusually stable structure.
2. The gearbox is driven by a fast hydraulic coupling to protect the mixer.
3. Minimal maintenance needs. With automatic lubrication device.
4. Wear-resistant parts are easy to access and replace.
5. Machined sites and bases.
6. The mixer fits accurately with the chassis and the wall to minimize wear.
7. Large output, high energy utilization cost, especially economic.
8. Sand quality is stable, uniform and loose.
9. Protect motor with fast hydraulic coupling. Triangle belt direct drive.
10. Large side sand mouth, quick and clean automatic sand.
11. Accurate formula weighing, automatic temperature measurement and moisture control.
12. Molding sand has stable quality and excellent performance.
13. Special auxiliary material adding method and strong mixing effect ensure short cycle high yield.
14. Water is radially injected into the mixture, and the molding sand is not agglomerated.
15. Excellent heating effect can reduce the amount of shadow soil consumption.
16. because of the new sand can be used to spray feeding method. The layout of sand mixing machine is almost not limited by space and installation conditions, so that the original sand treatment system is reformed. It is easy to replace the original sand mixer with GS series high speed rotor mixer.

- 17. The auxiliary materials are directly sprayed into the wet sand to improve the mixing and blasting efficiency.
- 18. It can reduce the loss of auxiliary materials caused by exhaust dust removal system.
- 19. High operational safety.
- 20. Good working environment, sealed and dustproof, no ash loss.

GS series high efficiency rotor sand mixer for green sand molding plants

Model (GS)	20-55	20-75	22-75	22-90	25-110	25-132	29-200
Disk diameter(mm)	2000	2000	2240	2240	2500	2500	2850
Productivity (t/h)	20~28	25~32	30~35	35~40	40~50	50~60	60~80
Main motor power(KW)	55	75	75	90	110	132	200
Rotor motor power(KW)	2×30	2×37	2×45	2×45	2×45	2×55	2×55
Main shaft speed(r/min)	31.72	31.72	27.32	27.32	27.3	27.32	25.4
(r/min)Rotor speed	1270	1270	975	975	950	950	850

Foundry Sand Mixer Machine



foundry sand mixer machine has a frame structure supporting two half shells, which form the mixing tube. These are split length-ways and are hinged at a single point behind the sand inlet.

S24 series single-arm foundry sand mixer machine is suitable for the mixing of self-hardening resin sand, water glass sand and other molding sand. It has the characteristics of good sand mixing quality, accurate quantification, easy cleaning and maintenance, and flexible operation. Standard slewing mechanism, flexible operation.

The full-open sand mixing cage arm is convenient for blade adjustment, cleaning and maintenance.

The long-arm sand mixing cage increases the working area.

The new and old sand ratio adjuster can be selected according to the pre-adjusted ratio to change the heating amount of the new and old sand.

The PLC control system is fully restricted and protected, and there is basically no loss of head and tail sand.

Equipped with imported technology binder quantitative pump, high quantitative precision and reliable use.

The single-arm slewing structure is simple and the equipment investment is low.

Resin sand sand mixing machine installation

Figure 1, according to the related model equipment foundation construction foundation, should go line pole and base built into the base under the car. Installed at the base of the center of the flange relative sand bucket out of the center of the flange of tolerance of 3 mm or less; On the plane the levelness tolerances 2 mm or less.

2, connection and installation base sand mixing machine base, adjustment of three screw nail guarantee sand mixer base plane levelness tolerances on 0.20/1000 or less, and padded with wedge iron and tighten bolts connection.

3, a connection, secondary stirring cage and base, allow only when lifting lug stirred cage.

4, install proportion regulator.

5, the connecting gas circuit system, electrical system, binder system.

Resin sand sand mixer debugging

Model	S245	S2410	S2415	S2420
Productivity (t/h)	5	10	15	20
Diameter (mm)	Φ203	Φ219	Φ225	Φ250
Rotation rate (r/min)	960	970	720	730
Motor power (kw)	4	7.5	11	15
Gyration radius (mm)	R2000	R2000	R2000	R2000
Binder quantitative accuracy	<±2%			

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://bestech.nt-rt.ru/> || bhn@nt-rt.ru