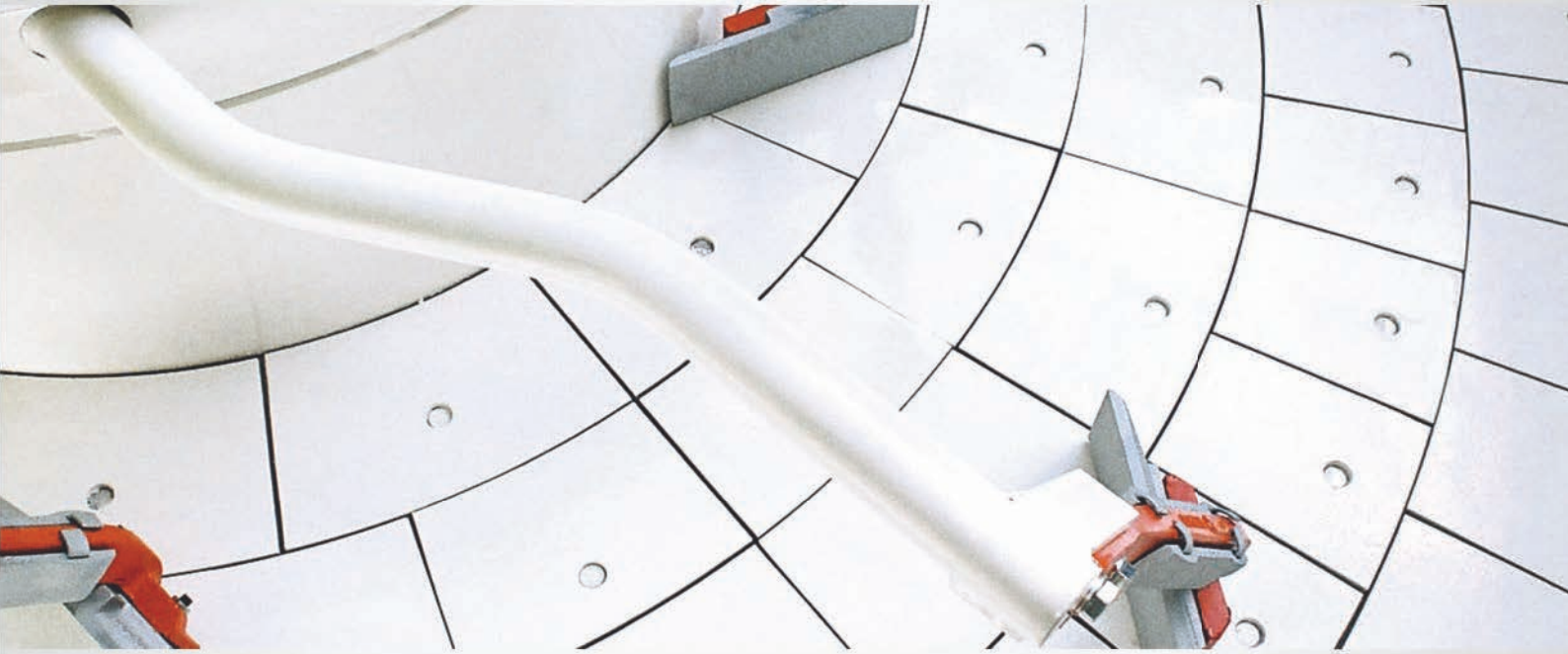
高性能立轴盘式搅拌机 THZ
High-Performance Pan-Type Mixers THZ



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泰 卡 搅 拌 ， 无 所 不 转

Teka

泰卡立轴盘式搅拌机THZ提供每次最大填料量从250立升到6000立升等多种机型

1 | 搅拌槽底部及内壁被可拆换的耐磨衬板保护着. 根据客户搅拌料的不同, 耐磨衬板可以有多种选择, 例如: 特种钢板, 铬镍合金特种钢, 铬镍冷硬铸铁, Hardox500, 铝-,氧化物陶瓷等.

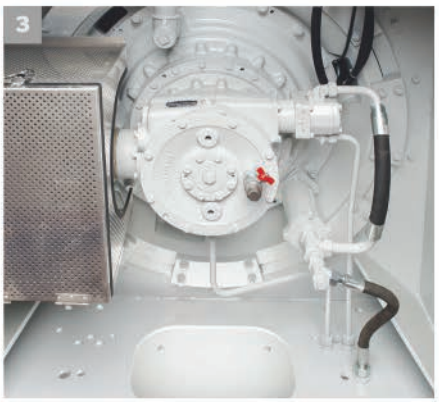
搅拌臂的高度是可以调节的, 并且有弹簧安放在传动圆盘里。调节好搅拌叶片的角度, 可以更好地改善搅拌效果，减少磨损程度, 并且保护驱动装置。

2 | 搅拌臂轴套上的集中润滑可以特殊订制。搅拌叶片, 保护搅拌下臂的护臂和内/外侧刮板可以有多种材质供选择：冷硬铸铁 W4, 表面包裹碳化物硬质合金，聚氨酯合成橡胶PU, 嵌有硬质合金销钉的SPIKE-冷硬铸铁，等等。

TEKA pan-type mixers THZ are for batching operations and are available in sizes from 250 to 6000 liter filling capacities.

1 | The mixing pan floor and the outer walls are protected by exchangeable wear liners. Depending on the application, wear liners are made of either A.R. steel plate, Hardox 500 steel, chill-cast tiles, face-welded steel (VP) ceramic tiles, etc.

The spring-loaded mixing arms are mounted in the rotor head and are adjustable to compensate for wear. This, plus the various angles-of-attack of the paddles enhance the mix-effect, reduce wear and protect the drive from shock.



2 | Central lubrication for the mixing arm bushings is available. Depending on the application, mixing paddles, wall scrapers, and mixing arm wear guards made of various abrasion- resistant materials are available. These include cast-iron W4, with complete tungsten-carbide surface, polyurethane-elastomere (PU), SPIKE cast-iron, nickel-free special casting, etc.

3 | The centrally located planetary gearbox is driven by a 3-phase TEFC motor which is flangemounted directly to the gearbox, in the case of pan-type mixers THZ 375 to THZ 1125.

4 | Mixer sizes THZ 1125 G to THZ 6000 are driven by a foot-mounted motor which is connected to the gear box by a universal-joint cardan shaft. A hydraulic turbo-coupling or frequency converter for soft starts under load are also available. Flanged to the

3 | 泰卡立轴盘式搅拌机THZ 250 至 THZ 1125 是由一个安装在中心的行星式减速机(配有带法兰盘的电动机)驱动的..

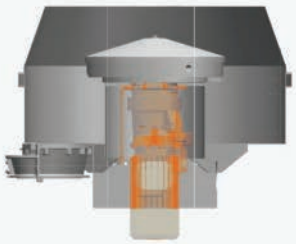
4 泰卡立轴盘式搅拌机THZ 1125 G至THZ 6000 同样是由一个安装在中心的行星式减速机通过万向轴与一个带底座的电动机相连来驱动的, 根据需要, 为了达到满负荷平稳启动,可选增加液力耦合器或变频器来共同驱动。

5

通过法兰连接在减速机上的液压油泵负责减速机和卸料门的油路循环.

减速机和卸料门使用同一个油路循环可以大大减少液压系统的维护成本。

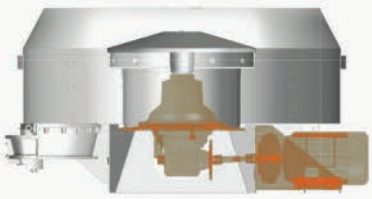
3



5 | 卸料门是作为一个独立完整的部件安装在搅拌槽底部的. 通过一个固定在卸料门铸铁蝶形座上的液压油缸, 和电磁阀来电动液压驱动和控制卸料门转板的开关，并且配合无磨损的传感器将卸料门开启至设定的最佳位置。

4

4



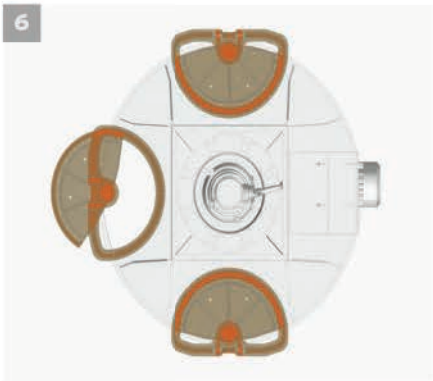
gearbox and driven by it is a hydraulic gear pump which constantly cycles the oil. Gearbox and discharge gate(s) use the same oil for less maintenance. This oil also supplies the pressure to operate the discharge gate(s).

5 | The discharge gate assembly, used to remove the batch from the mixer, is a complete heavy-duty component bolted to the mixer pan floor. The semi-circular gate is hydraulically operated by means of a rotating piston cylinder. It is electrically controlled and can be opened to any degree desired. Locating the pivot-point of the gate slightly inside the pan circumference allows for a large opening and thereby, a fast discharge. In case of emergency, a manual hand pump for the discharge door is standard. As an option, the discharge gate can be opened independent of the mixer main drive, via a separate hydraulic power-unit.

6 | Mixers THZ 250 to THZ 1125 may be equipped with up to 4 gates, whereas 3 gates is the maximum for THZ 1125 G to THZ 6000. Sampling gates are also available.

7 | A protective cover encloses the mixer on top. A built-in seal makes it near dust-proof. Large, hinged segments with variable positioning are possible, raised and lowered by a manual- or motorized cable winch. With no components located above the pan cover, there are no obstructions to impede the arrangement of cleaning segments, inspection doors, material inlets, etc. into the mixing pan.

6



8 | Depending on the plant design, charging the mixer by means of a skip hoist is possible. Teka offers tilting skip hoists as well as the non-tilting, bottom discharge type. Inclination of the hoist track from 45° to 90° may be specified.

通过向内移动旋转点可以将卸料口变的很大，搅拌料可以快速卸掉。

当搅拌机突然停电时，可以用手泵将卸料门打开。这个功能不依赖于搅拌机是否正常工作，而是通过独立的液压装置来实现。

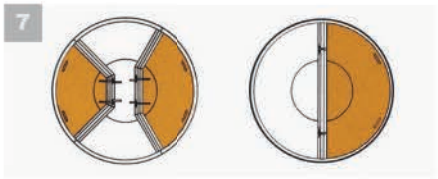
6 | 从THZ 375 到THZ 1125 最多可安装4个卸料口, 从THZ1125 G 到 THZ 6000 最多可安装3个卸料口. 用于取样的卸料口可以另外安装.

7 | 搅拌槽被搅拌机盖子完全防尘密封地盖住。检修口的大小可根据客户要求订制，并可以用手摇绞车或电动绞车开启。因为搅拌机盖子上没有任何空间安装的限制，所以可以根据客户要求来订制骨料进料口，粉料进料口，进水口，排风口，清洗口，观察口等入口。

8 | 根据搅拌站的设计, 可提供用于搅拌根据搅拌站的设计，可提供用于搅拌机装料的翻斗式提升料斗，或底部开口卸料方式的提升料斗. 提升料斗可以直接安装在搅拌机上，也可以独立拆卸。安装轨道倾角在45° 至 90° 之间.

泰卡立轴盘式搅拌机还可以配置下列功能和装置:

- 配备机械的或液压的涡流器 (可以在旧机器上添加)-打散装置，0到300转无级变速；
- 为测量搅拌料的湿度, 温度, 粘度, 可在搅拌机底部, 外壁配备各种探测仪, 或搅拌机内部配备杆式探测仪；
- 利用搅拌机内旋转的喷管或外置的喷嘴来添加蒸汽.
- 将搅拌机安装在压力传感器上来实现称重；
- 旋转喷头高压清洗



TEKA turbine pan-type mixers offer more mixing possibilities:

- Equipment includes intensive mechanical and hydraulic eagitator(s) using various mixing tools. Retrofitting of agitators is possible.
- Moisture and consistency metering by means of floor-mounted, wall-mounted or rotating electronic probes.
- Steam-injection through rotating lances, or through stationary nozzles
- Mixer doubling as weigh-bin when

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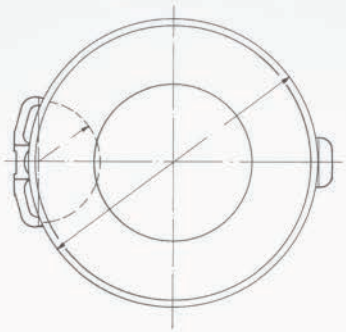

在计划实施之前，需要双方确认总装图纸。
目前所有的规格反映了现在的技术状态，在未来或许存在因技术的发展而产生的变化和改进。

For installation into an existing plant, request a certified drawing. Specifications reflect the present state of technology and are subject to change with future development.

高性能立轴行星式搅拌机 TPZ High-Performance Planetary Mixers	THZ	250	375	500	750	1125	1125G	1500	1500G	1875	2250	3000	3750	4500	5250	6000
搅拌机每次最大填料量/Filling quantity mixer	立升/litres	250	375	500	750	1125	1125	1500	1500	1875	2250	3000	3750	4500	5250	6000
搅拌机每次最大填料量/Filling quantity mixer	公斤/kg	400	600	800	1200	1800	1800	2400	2400	3000	3600	4800	6000	7200	8400	9600
搅拌机每次最大出料量 Compacted concrete output per cycle	立方米 m^3	0,15 0,15	0,25 0,25	0,33 0,33	0,5 0,5	0,75 0,75	0,75 0,75	1,0 1,0	1,0 1,0	1,25 1,25	1,5 1,5	2,0 2,0	2,5 2,5	3,0 3,0	3,5 3,5	4,0 4,0
搅拌机电机输出功率/Drive power mixer	千瓦/kW	7,5	11	15	22	30	37	37	37	45	55	75	90	110	132	160
搅拌机传动圆盘转速/Speed of rotor	次/分钟/rpm	35	37	30,5	29	29	20	20	20	20	18,5	18,5	18,5	18,5	18,5	18
标准搅拌机直径(Ø) Total diameter of mixer (ø)	毫米 mm	1354 1354	1700 1700	1900 1900	2210 2210	2520 2520	2520 2520	2520 2520	2872 2872	2872 2872	2992 2992	3370 3370	3840 3840	3840 3840	4350 4350	4660 4660
标准搅拌机高度(h) Total height of mixer (h)	毫米 mm	1150 900	1305 1305	1445 1445	1423 1423	1405 1405	1530 1530	1530 1530	1630 1630	1740 1740	1910 1910	1910 1910	1920 1920	2100 2100	2300 2300	2100 2100
标准搅拌机空重/Weight of mixer	千克/kg	900	1500	1900	2500	3500	4200	4200	4600	4600	6500	8600	9500	10300	11600	15000
标准60°提升料斗/Skip hoist 60°																
料斗最大装载量 Filling capacity of skip hoist bucket	千克 kg	375 375	550 550	750 750	1100 1100	1650 1650	1650 1650	2200 2200	2200 2200	2700 2700	3250 3250	4300 4300	5400 5400	6450 6450	- -	- -
提升料斗的驱动功率/Drive power skip hoist																
多层的钢丝绳卷筒/multi-layerdrum	千瓦/kW	2,2	3	4	5,5	-	-	-	-	-	-	-	-	-	-	-
单层的钢丝绳卷筒/single-layer drum	千瓦/kW	-	-	5,5	7,5	11	15	15	15	16,5	20,5	20,5	30	37	-	-
提升料斗的升降速度 Speed of skip hoist bucket	米/秒 m/sec	0,33 0,33	0,33 0,33	0,33 0,33	0,4 0,4	0,4 0,4	0,4 0,4	0,4 0,4	0,4 0,4	0,36 0,36	0,4 0,4	0,36 0,36	0,36 0,36	0,34 0,34	- -	- -

搅拌机的最大填料量（立升和公斤）是按照搅拌料的密度为1.6公斤/立方分米来计算的。

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- 高性能立轴行星式搅拌机-TPZ
- 高性能立轴盘式搅拌机-THZ
  可以带无级变速的打散装置。
- 高性能立轴涡轮式搅拌机-THT
- 高性能双卧轴式搅拌机-TDZ

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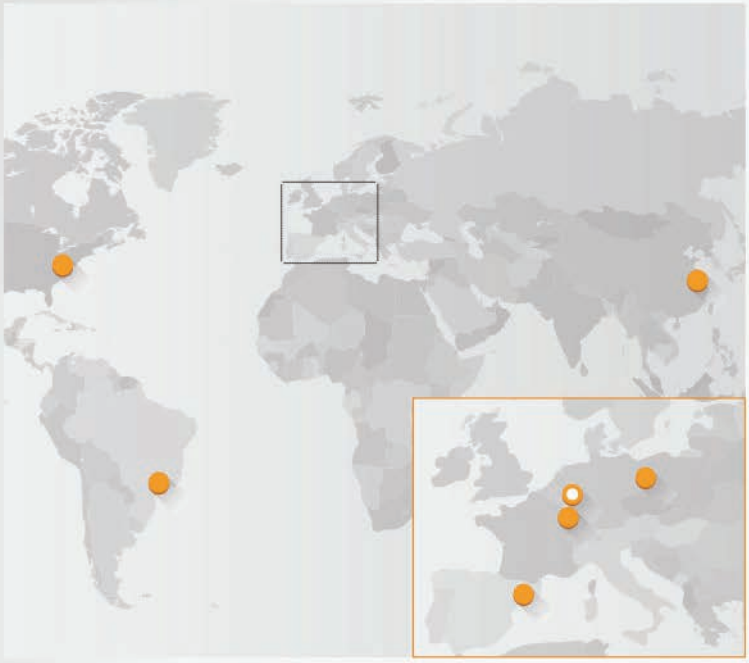

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