SANY®

SLB1500X8 ASPHALT BATCHING PLANT

SLB1500X8 沥青搅拌站

ECO-FRIENDLY

- Exhaust emission concentration is ≤20 mg/Nm^3, Ringelmann blackness ≤Grade 1, ambient noise ≤85 dB (70 dB in the control room).

SAFE AND RELIABLE

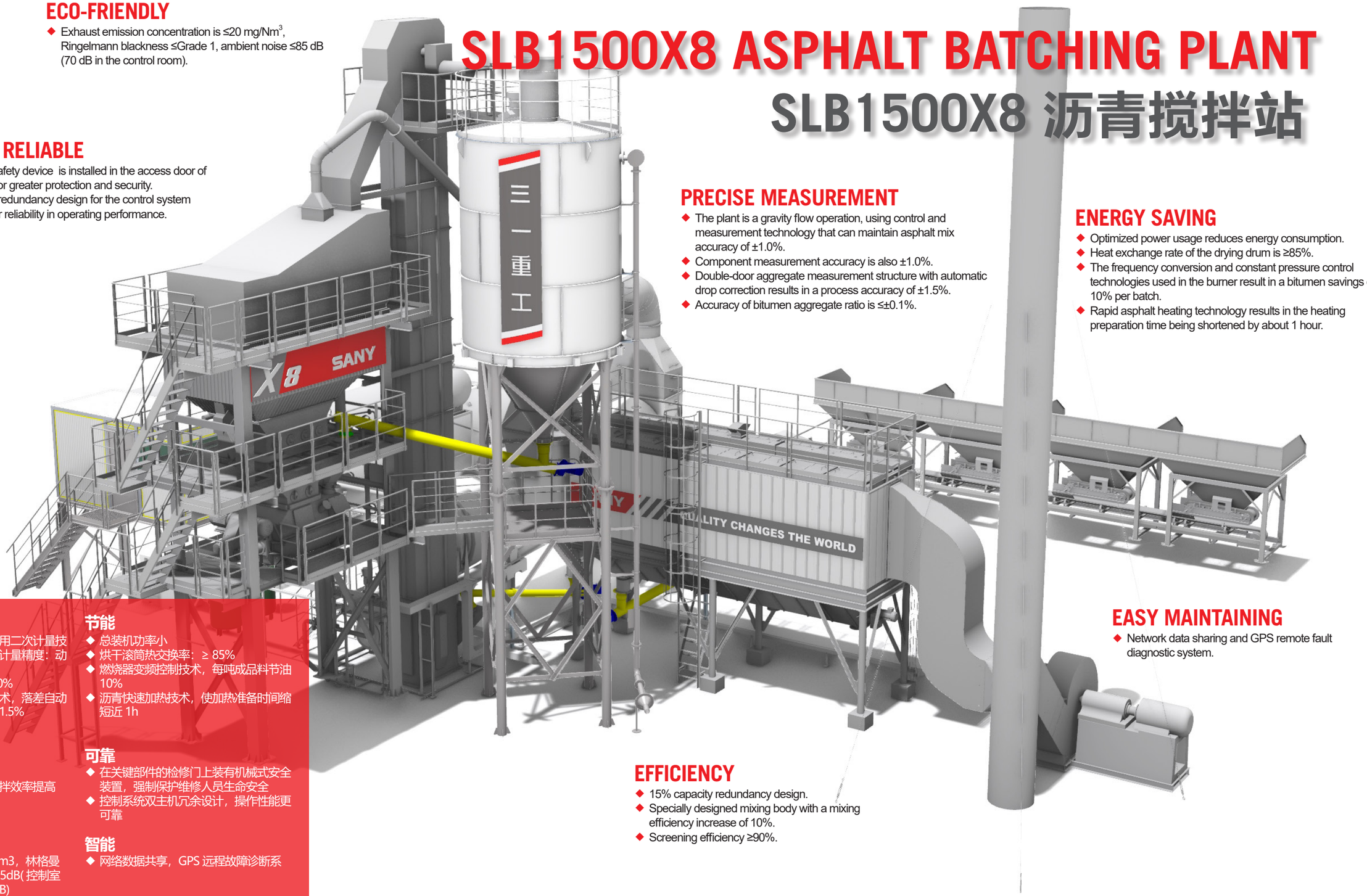
- A mechanical safety device is installed in the access door of every key part for greater protection and security.
- Dual computer redundancy design for the control system provides greater reliability in operating performance.

PRECISE MEASUREMENT

- The plant is a gravity flow operation, using control and measurement technology that can maintain asphalt mix accuracy of ±1.0%.
- Component measurement accuracy is also ±1.0%.
- Double-door aggregate measurement structure with automatic drop correction results in a process accuracy of ±1.5%.
- Accuracy of bitumen aggregate ratio is ≤±0.1%.

ENERGY SAVING

- Optimized power usage reduces energy consumption.
- Heat exchange rate of the drying drum is ≥85%.
- The frequency conversion and constant pressure control technologies used in the burner result in a bitumen savings of 10% per batch.
- Rapid asphalt heating technology results in the heating preparation time being shortened by about 1 hour.



精准

- 沥青秤为自流式结构，采用二次计量技术，落差自动修正，沥青计量精度：动态 ±1.0%
- 粉料计量精度：动态 ±1.0%
- 骨料计量采用脉冲振动技术，落差自动修正，计量精度：动态 ±1.5%
- 油石比精度≤ ±0.1%

节能

- 总装机功率小
- 烘干滚筒热交换率：≥ 85%
- 燃烧器变频控制技术，每吨成品料节油 10%
- 沥青快速加热技术，使加热准备时间缩短近 1h

高效

- 15% 的产能冗余设计
- 特殊设计的搅拌主机，搅拌效率提高 10%
- 筛分效率≥ 90%

可靠

- 在关键部件的检修门上装有机械式安全装置，强制保护维修人员生命安全
- 控制系统双主机冗余设计，操作性能更可靠

环保

- 尾气排放浓度≤ 20mg/Nm3，林格曼黑度≤ I 级，环境噪音：85dB(控制室内操作人员耳边噪声 70dB)

智能

- 网络数据共享，GPS 远程故障诊断系

EFFICIENCY

- 15% capacity redundancy design.
- Specially designed mixing body with a mixing efficiency increase of 10%.
- Screening efficiency ≥90%.

EASY MAINTAINING

- Network data sharing and GPS remote fault diagnostic system.

TECHNICAL PARAMETER
技术参数

● 沥青站实景图
Effect Picture of Asphalt Batching Plant

技术特点：

- 除尘烘干热效率高；
- 模块化设计，多种布局可选择，适合狭窄、复杂、不规则场地安装，占地面积相比传统结构减小 33%；
- 自主开发的双变频燃烧器，燃烧效率更高、油品适应性更强
- 挡风抑尘、微雾降尘、等离子净化及过程封闭等多项环保技术，有效解决扬尘、烟气和噪音污染（选配）；
- 首创沥青“快热”技术，实现沥青“保鲜”，节省燃料，缩短生产准备时间，只需提前 30min 启动导热油炉，即可投入生产（选配）；

Technical characteristics:

- Dedusting -drying and high thermal efficiency;
- Modular design, multiple optional layouts, suitable for installation at narrow, complicated and irregular sites, and reduction of occupied area by 33% compared to the traditional structure;
- Independently developed dual frequency converting burner, with a higher burning efficiency and better fuel adaptability;
- Several environmental technologies concerning wind and dust control, dust suppression through the fog system, plasma cleaning and process enclosure that control effectively the dust, smoke and noise pollution (optional);
- Initiative asphalt “fast heating” technology which enables the asphalt “freshness preservation”, saves fuel and shortens the production preparation time and ensures that asphalt can be put in production when the heat-conducting oil furnace is activated only 30 min beforehand (optional);

项目 Item		SLB1500X8
主要参数 Main Parameters	额定生产能力 Rated Productivity(t/h)	120
	最大总功率 Max Total Power(kW)	327
冷料系统 Cold Aggregate System	冷料仓数量 Number of Cold Aggregate Silo	4
	冷料仓容量 Cold Aggregate Silo Capacity(m^3)	8
	上料宽度 Material Loading Width(m)	3.2
烘干系统 Drying System	烘干滚筒长度 Drying Drum Length(m)	8
	烘干滚筒直径 Drying Drum Diameter(m)	ф1.8
	燃烧器额定功率 Rated Burden Capacity(mW)	14
热骨料提升机 Hot Aggregate Elevator	骨料输送能力 Aggregate Conveying Capacity(t/h)	130
振动筛分系统 Screening System	筛网 Screen	4
热骨料仓 Hot Aggregate Silo	热骨料仓容量 Hot Aggregate Silo(m^3)	15
搅拌系统 Mixing System	搅拌额定生产能力 Rated Mixing Capacity(kg)	1650
	搅拌功率 Mixing Power(kW)	2*22
粉料系统 Powder System	粉料仓容量 Powder Filling Silo(m^3)	40
	回收粉料仓容量 Powder Recycling Silo	10(optional)
导热油沥青系统 Heat Conduction Oil & Asphalt System	柴油罐 Diesel Tank(L)	12000
	沥青罐 Asphalt Tank(L)	2*30000
	重油罐 Heavy Oil Tank(L)	1*30000(optional)
	导热油炉 Heat Conducting Furnace(kcal/h)	300000
除尘系统 Dedust system	除尘面积 Filtration Area(m^2)	480
	引风机风量 Induced Draft Fan Air Volume(Nm^3/h)	40000
	引风机功率 Induced Draft Fan Power(kW)	90
成品料仓容量 Finshed product silo capacity	标准 Standard	0
	选配 Optional(t)	35
电控系统 Control system	控制方式 Control Mode	集中式 Centralized

备注：
1、具体选装配置以合同约定为准，本配置表仅供参考，选配件不在标准配置中；
2、由于技术不断进步，上述技术参数可能会相应变化，三一对所有技术参数拥有最终解释权。
※ 标准工况：环境温度 20℃，标准大气压，冷骨料平均含水量 5%。热骨料温度 160℃，循环时间 45s，成品料为中粒式普通沥青混合料时的工况，符合《GB/T 17808-2010 沥青混合料搅拌设备》标准

Remarks:
1. Specific optional configuration shall be subject to the contract agreement. This table is for reference only. The optional parts are not included in standard configuration;
2. Due to continuous technological improvement, the above technical parameters may vary accordingly, and SANY reserves the right for final interpretation of all technical parameters.
※Standard working condition: ambient temperature: 20℃ ; standard atmospheric pressure; average water content of cold aggregate: 5%; temperature of hot aggregate: 160℃ ; cycling time: 45 s; when the mixed material is common medium-sized particle asphalt, the working condition follows GB/T 17808-2010 Road construction and road maintenance machinery and equipment—Asphalt mixing plant

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