



专注环保20年
倾心打造绿色商砼
20 Years
Build Green Concrete

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温州市森泰环保设备有限公司

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Our products are constantly updated and improved,
we reserve the right to change parameters and design without prior notifications.





公司简介 Company Introduction

温州市森泰环保设备有限公司是一家专业从事环保和工程机械产品开发和应用的科技公司，是国家重点新产品开发与生产的依托企业。新公司浙江森友环保成套设备有限公司位于浙江海盐经济开发区，由香港PERMASUC LIMITED投资，注册资金500万美元，厂区占地面积18000多平方米。

二十多年来，森泰人以如何帮助重污染的混凝土搅拌站节能减排、打造生态环保企业为己任，致力于搅拌站的废料处理研究，从单一的砂石分离机，到搅拌池浆水回收，到压滤机泥浆处理系统，森泰一直走在时代的前列，而今天，森泰终于实现了绿色搅拌站这一目标，“废料变骨料，污水变中水，养鱼浇花木”，做到了真正的“零污染”、“零排放”，使灰色搅拌站走上绿色可持续发展之路。

公司拥有多项自主知识产权、核心技术和一支前沿科技、创新研发与应用过硬的技术团队。凭着先进的设计理念、卓越的品质和可靠的性能，森泰分离机在全国各地享有盛誉，并远销至欧洲、澳大利亚、新加坡、中东、俄罗斯等20多个国家和地区。

我们竭诚欢迎新老客户来公司参观、洽谈，期待与您的合作！

Wenzhou City Sentai Environmental Protection Equipment Co.,Ltd. is an innovative high-tech enterprise specialized in R&D, production, distribution and services of environmental protection and construction machineries. The new company Zhejiang Sinou Environmental Protection Equipment Co.,Ltd. located in Haiyan Economic Development Zone is invested by PERMASUC LIMITED, Hongkong with the registered capital of 5 million US dollar covers more than 18000 square meters.

Since 20 years, Sentai persists in the goal of "Build green concrete station, Change Slurry water to clean water". From Single concrete reclaimers(settlement type) to agitator slurry recycle type to filter press type, sentai finally helps the ready-mix and precast companies to realize "Zero Waste" and "Zero Discharge".

Sentai owns many independent intellectual rights, core technology and a qualified technical team with advanced technology, and innovative development. Depending on the advanced design-idea, reliable performance and high-level quality, Sentai enjoys a good reputation in Europe, Australia, Singapore, Mid East, Russia and other 20 countries and areas.

We sincerely welcome all the customers in the world to negotiate and establish a friendly and win-win relationship with Sentai.



20 YEARS
BUILD GREEN CONCRETE

等离子切割机
Plasma cutting machine

品质，因为专业
Quality
Because of professional



车间一角/Workshop



自动冲孔机/Auto Puncher



喷漆房/Painting Room



ZERO WASTE · ZERO DISCHARGE
 污水变中水 · 养鱼浇花木



20 YEARS
 BUILD GREEN CONCRETE

告别污染年代，营造绿色家园

森泰分离机及压滤机泥浆处理系统
废料变骨料、污水变中水
绿色商砼的最佳选择

- 引进澳大利亚技术，实现混凝土浆水回收历史性突破
- 污水处理多元化，既可掺入混凝土，也可过滤压缩再利用
- 全自动智能设计，方便、快捷
- 高负荷设计，高可靠性和耐用性，保证优越性能
- 超干净骨料，中性水直接回收
- 低投入，高效益回报
- 森泰，是您建设绿色拌站的最佳选择

Sentai Concrete Reclaimer & Filter Press Slurry Recycle System
Waste to Aggregates, Slurry to Clean Water
Green Concrete's Best Choice

- Zero Waste, Zero Discharge
- Diverse disposal of slurry
- Smart automatically designed, simple and convenient
- Heavy-duty designed, reliable and efficient
- Quite clean aggregate and water recycled directly
- Low investment and high return back
- Sentai, Your best choice to build Green Concrete

> CH系列 / CH Series



CH系列砂石分离机主要由分砂系统和分石系统两部分构成，经过近20年的不断升级，CH系列工作稳定可靠，分离效果显著。该系列有CH-80、CH-100和CH-125三种型号，每种型号有正反两种方向，可以根据现场情况及客户要求灵活布置。采用PLC全自动控制系统，操作方便，维修简单。

CH Series concrete reclaimer is composed of sand separator and stone separator. After nearly 20 years of continuous upgrading, the reclaiming effect of the reclaimer is impressive and the working is quite reliable.

CH Series is fully automatically controlled by PLC electric control cabinet which is simple operation and easy maintenance.

CH Series have CH-80, CH-100 and CH-125, all of the three models have positive and opposite direction and its hopper is set up for 1-3 truck discharge which is quite flexible.

优点 Advantage

- > 投入低，回报高
Low investment, High reternback
- > 占地少，设计灵活
Small space & Flexible Design
- > 出砂含水率行业最低（注）
Separated sand contains minimum water(mark)
- > 操作容易，维修简单
Simple Operation & Maintenance
- > 清石器保证筛孔不堵
Screen hole won't be blocked by stone-out system
- > 高负荷设计，使用寿命长
High duty design, long service life



希腊 / Protem Group, GR

注：公司拥有自主知识产权
Mark: Sental owns independent intellectual rights

技术参数
Technical Paramaters

项目名称 Name	型号 Model	CH Series		
		CH-80	CH-100	CH-125
分石滚筒直径(mm) Dia. Rotary Screen		800	1000	1250
分砂搅龙直径(mm) Dia. Sand Screw		480	480	480
筛分能力(t/h) Discharge Capacity		10~20	20~30	30~40
分石尺寸(mm) Sand Size		> Φ5	> Φ5	> Φ5
分砂尺寸(mm) Stone Size		Φ1~Φ5	Φ1~Φ5	Φ1~Φ5
分石机功率(kw) Rotary Screen Gear Motor		4	4	5.5
分砂机功率(kw) Sand Screw Gear Motor		3	4	4
电机总功率(kw) Total Power		7	8	9.5
外形尺寸(长×宽×高)m Overall Size(L x W x H)		5.39×1.80×2.17	6.22×2.05×2.44	7.18×2.06×2.65
总重量(t) Total Weight		2.8	3.4	4.7
搅拌车数量 No. of Mixer Trucks		< 10	10~30	> 30
洗车位数量 Washout Stinger		1	1~2	1~3
电控系统 Electric Control Panel		PLC 全自动控制 PLC Auto Control	PLC 全自动控制 PLC Auto Control	PLC 全自动控制 PLC Auto Control
标准电源 Standard Input Power		380V/50Hz	380V/50Hz	380V/50Hz
其它电源 Other Power Inputs		可配Available	可配Available	可配Available
运输集装箱 Shipment		1 20ft Container	1 40ft HC	1 40ft HC

> STF系列 / STF Series



STF系列砂石分离机将分石和分砂合并为一个分离系统，滚筒筛内外各有螺旋叶片，采用斗轮机的原理，出砂轮上的挖斗把沙子从出砂口排出；出石轮上的斗把石子从出口排出。

The sand separator and stone separator is a whole entirety in STF Series concrete reclaimer. Spiral Vanes are mounted both inside and outside the rotary screen. The sand and stones are discharged separately from sand outlet and stone outlet on the principle of bucket wheel machine.

与CH分离机相比 Compared With CH Series

- > 几乎不需斜坡台
Lower or even no washing slope
- > 创新的导流式滚筒筛，处理大方料时，不易堵塞
Innovative guide rotary screen, disposing large waste concrete easily
- > 斗式出料口的应用，实现无摩擦运行，降低能耗
Bucket wheel discharge which realize friction free operation and save energy
- > 大容积机体设计，沉降效果好，溢流出砂少
Large body designed, settling down easily and overflowing less sand



技术参数
Technical Parameters

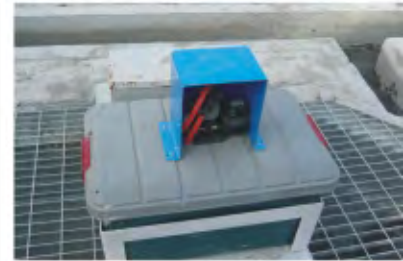
项目名称 Name	STF Series	
	STF-140	STF-160
滚筒直径(mm) Dia. Rotary Screen	1400	1600
筛分能力(t/h) Discharge Capacity	25~35	35~45
分石尺寸(mm) Stone Size	> Φ5	> Φ5
分砂尺寸(mm) Sand Size	Φ1~Φ5	Φ1~Φ5
电机总功率(kw) Total Power	7.5	7.5/11
外形尺寸(长×宽×高)m Overall Size(L x W x H)	4.98×2.12×1.96	5.04×2.40×2.31
总重量(t) Total Weight	4.5	5.1
搅拌车数量 No. of Mixer Trucks	10~30	>30
洗车位数量 Washout Stinger	1~2	1~3
电控系统 Electric Control Panel	PLC全自动控制 PLC Auto Control	PLC全自动控制 PLC Auto Control
标准电源 Standard Input Power	380V/50Hz	380V/50Hz
其它电源 Other Power Inputs	可配 Available	可配 Available
运输集装箱 Shipment	1 40ft HC	1 40ft HC

> 压滤机泥浆处理及PH值控制系统

Filter Press & PH Control System



隔膜泵 / Diaphragm Pump



自动加药设备 / Flocculant Add Device



PH值控制系统 / PH Control System

为解决污水处理难题，森泰引进澳大利亚技术，研发了压滤机泥浆处理和PH值控制系统，泥浆通过压滤机压缩成块，出来的滤饼可以用于制作空心砖等水泥制品；而过滤的污水经PH值控制系统变成中水，实现真正的零污染、零排放。同时满足环保的要求，成就绿色生态拌站。

主要结构：

- 砂石分离系统：CH系列或STF系列分离机、导料槽
- 电气控制系统：全自动PLC电气控制柜、线缆
- 泥浆处理系统：压滤机、加药设备、浓缩塔、小搅拌缸、水位感应器、隔膜泵、搅拌池、PH值控制系统
- 供水系统：潜水排污泵、阀门、管道

Introducing from Australia technology, Sentai designs and develops the filter press & PH control system in order to solve the treatment of slurry water. Dry cakes and normal clean water can be recycled through this system which realize "Zero Waste", "Zero Discharge" and make the batching plant green.

THE SYSTEM INCLUDES:

- Separation System: CH /STF series Concrete Reclaimer, Hopper
- Slurry Recycle System: Filter Press, Flocculant Add Device, Silo, Mini Mixing Tank, Diaphragm Pump, Agitators, Water Level Sensor, PH Control Device
- Electric Control System: Automatic PLC electric control cabinet, Wiring cables
- Water Supply System: Pumps, Valves, Pipelines

> 压滤机泥浆处理及PH值控制系统

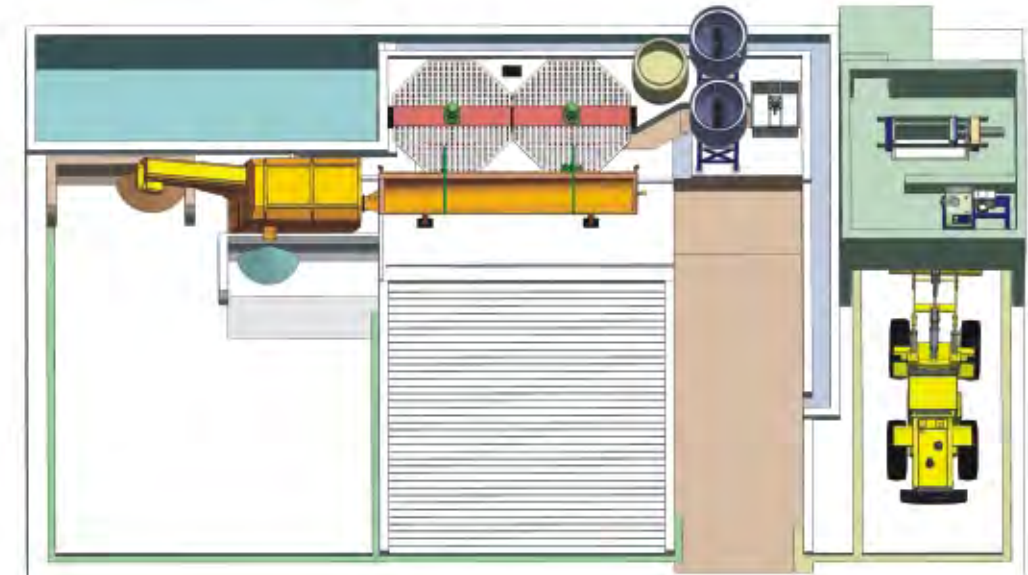
Filter Press & PH Control System

技术参数
Technical Paramaters

NO	名称 Name	压滤机&浆水回收系统 Filter Press & Slurry Recycle Type	单独压滤机系统 Simple Filter Press Type
1	设备型号 Model	1000 × 20	800 × 16
2	过滤面积(m ²) Filtration Area	30	20
3	滤板数量 (pcs) No of plates	20	16
4	滤饼厚度 (mm) Cake Thickness	32	30
5	滤板外形尺寸 (mm) Plate Size	1000 × 1000	800 × 800
6	滤板材质 Plate Material	Polypropylene	Polypropylene
7	最大液压工作压力 (Mpa) Max Hydraulic Pressure	23	20
8	最大压紧力 (KN) Max Press Pressure	700	545
9	进浆压力 (Mpa) Filtration Pressure	<0.6	<0.6
10	压紧方式 Press Type	液压压紧, 自动保压 hydraulic pressure, mechanical pressure	液压压紧, 自动保压 hydraulic pressure, mechanical pressure
11	液压站功率 (Kw) Hydraulic Station Power	4+2.2	4+2.2
12	泥饼含水率 (%) Moisture Content	37.5	37.5
13	每周期处理量 (Kg) Discharge Capacity	900-980	720-800

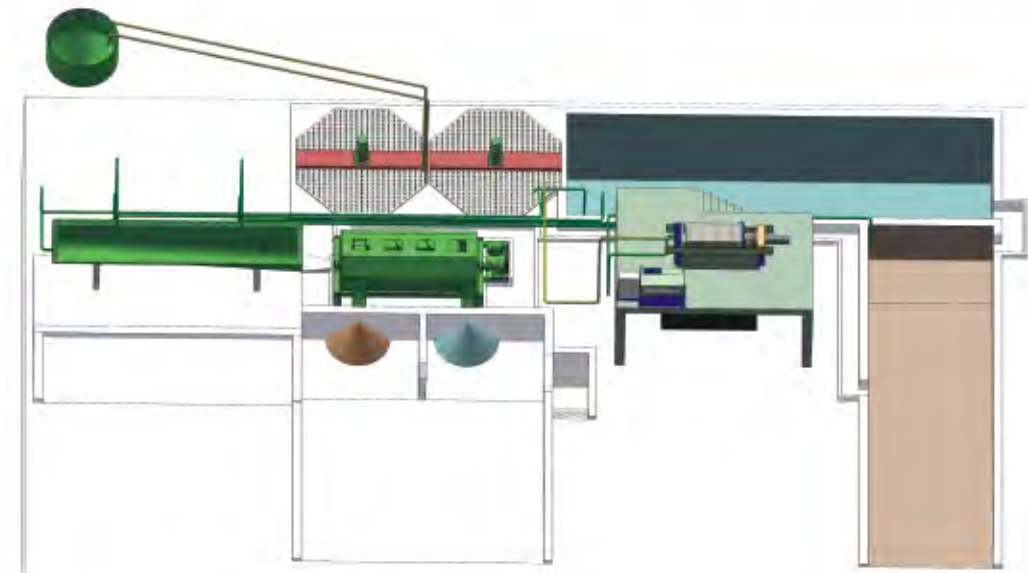
单独压滤机系统 Simple Filter Press Type

适用：生产高标号混凝土、不使用泥浆水或者场地远的搅拌站
Application: Produce high strength concrete, Don't use slurry to batch-plant or too far



压滤机&浆水回收系统 Filter Press & Slurry Recycle Type

适用：污水利用率低，既可以掺入混凝土循环利用，也可以把废水过滤压缩成块再利用，多种办法解决废水的利用问题。
Application: Less slurry could be reused in batch-plant, and the redundant left could be recycled through the filter press. Two ways to dispose the waste slurry water.



> 搅拌池浆水回收系统

AGITATOR SLURRY RECYCLE TYPE



通过搅拌池浆水回收方案，经砂石分离机出来的泥浆水可以打到搅拌楼，掺入清水制作混凝土，实现废料的100%回收利用。

适用：
低标号混凝土、浆水使用率高的搅拌站

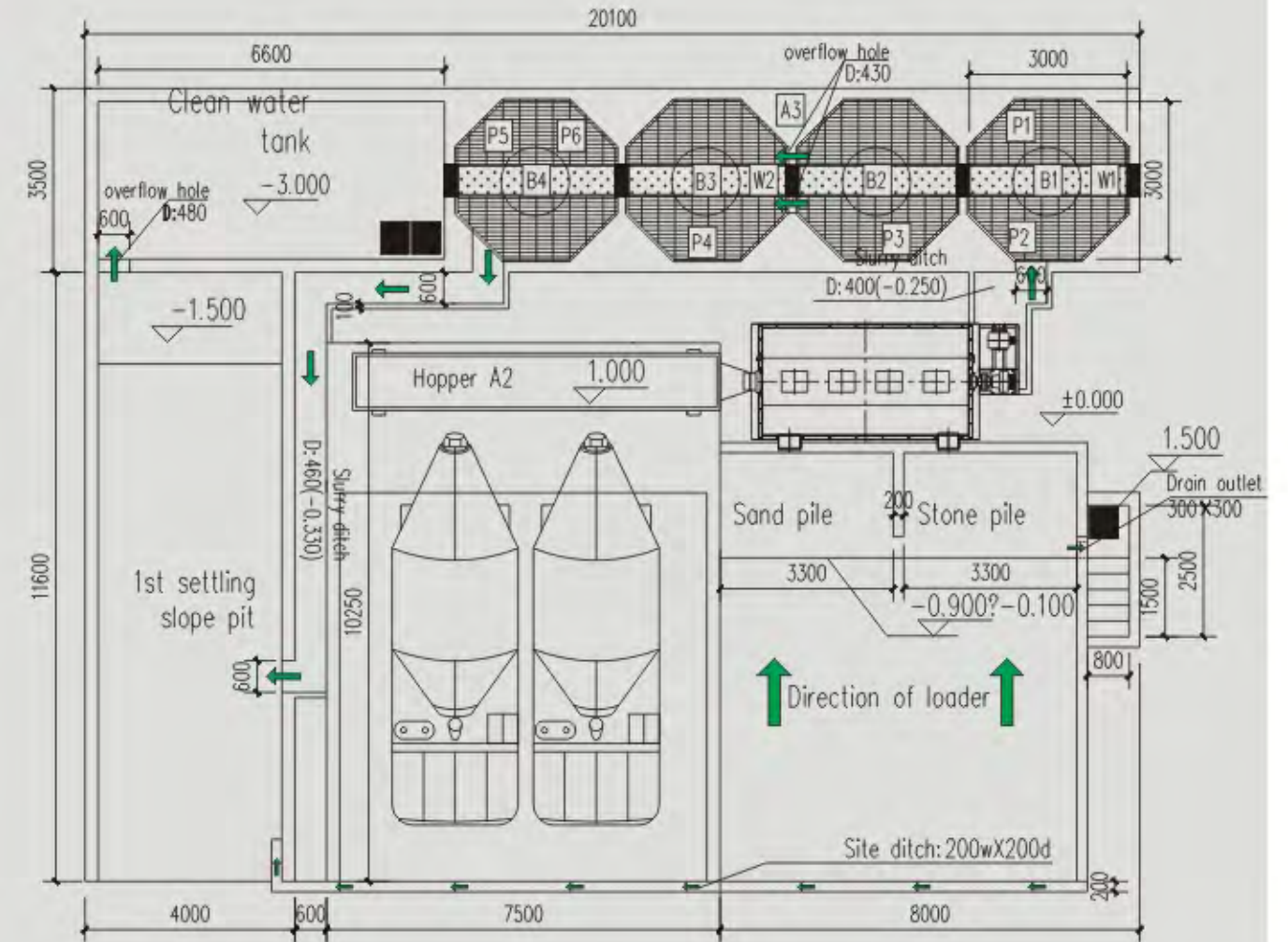
主要结构：
砂石分离系统：CH系列或STF系列分离机、导料槽
电气控制系统：全自动PLC电气控制柜、线缆
浆水处理系统：搅拌器、水位控制器、泥浆泵
供水系统：潜水排污泵、阀门、管道

Through Agitator slurry recycle type, the slurry water after separation from the concrete reclaimer can be reused in the batching plant with clean water to produce new concrete which means the waste concrete can be 100% recycled.

APPLICATION:
Produce low strength concrete, often use of slurry water

THE SYSTEM INCLUDES:
Separation System: CH /STF series Concrete Reclaimer, Hopper
Slurry Recycle System: Agitators, Water Level Controller, Slurry Pumps
Electric Control System: Automatic PLC electric control cabinet, Wiring cables
Water Supply System: Water Pumps, Valves, Pipelines

STF-140(反)两车四池平面图
STF-140(Opposite)Dual Truck 4 Tanks Plan View



NO	名称 NAME	规格 SPECIFICATIONS	备注 REMARKS
P1-2	泥浆泵 Slurry Pump	80SWQ65-25-7.5	用于浆水回收泵入搅拌楼 Pump slurry to batching plant
A1	砂石分离机 Concrete Reclaimer	STF-140反 (Opposite)/7.5kw	
P3	泥浆泵 Slurry Pump	WQ30-13-3	用于冲洗导料槽 Pump slurry to wash hopper
A2	导料槽 Hopper	双车位(反) Dual Truck (Opposite)	
P4	潜水排污泵 Water Pump	WQ15-20-2.2	用于1,2#搅拌池补水 Add slurry to tank1, 2#
A3	户外控制柜 Electric Control Cabinet	室外防雨、防暴型 Weather-protect	
P5-6	潜水排污泵 Water Pump	WQ30-13-3	用于冲洗搅拌车 Pump water to wash mixer trucks
B1-4	搅拌器 Agitators	BLD-23-DXJ55-ZJ1300/5.5kw	
P7-8	潜水排污泵 Water Pump	WQ15-20-2.2	用于3,4#搅拌池补水, 用于冲洗主机 Add water to tank 3, 4#, wash reclaimer
W1-3	水位控制器 Water level controller	电极式 Electrode type	
P9	潜水排污泵 Water Pump	50WQ10-10-0.75	用于集水坑排水 Drain out water

> 沉淀池回收系统

SETTLEMENT TYPE



通过几个沉淀池，将从砂石分离机分离出来的泥浆水经过沉淀处理，分离出来的清水可以回收利用洗车，很大程度上节省了水资源。

主要结构:

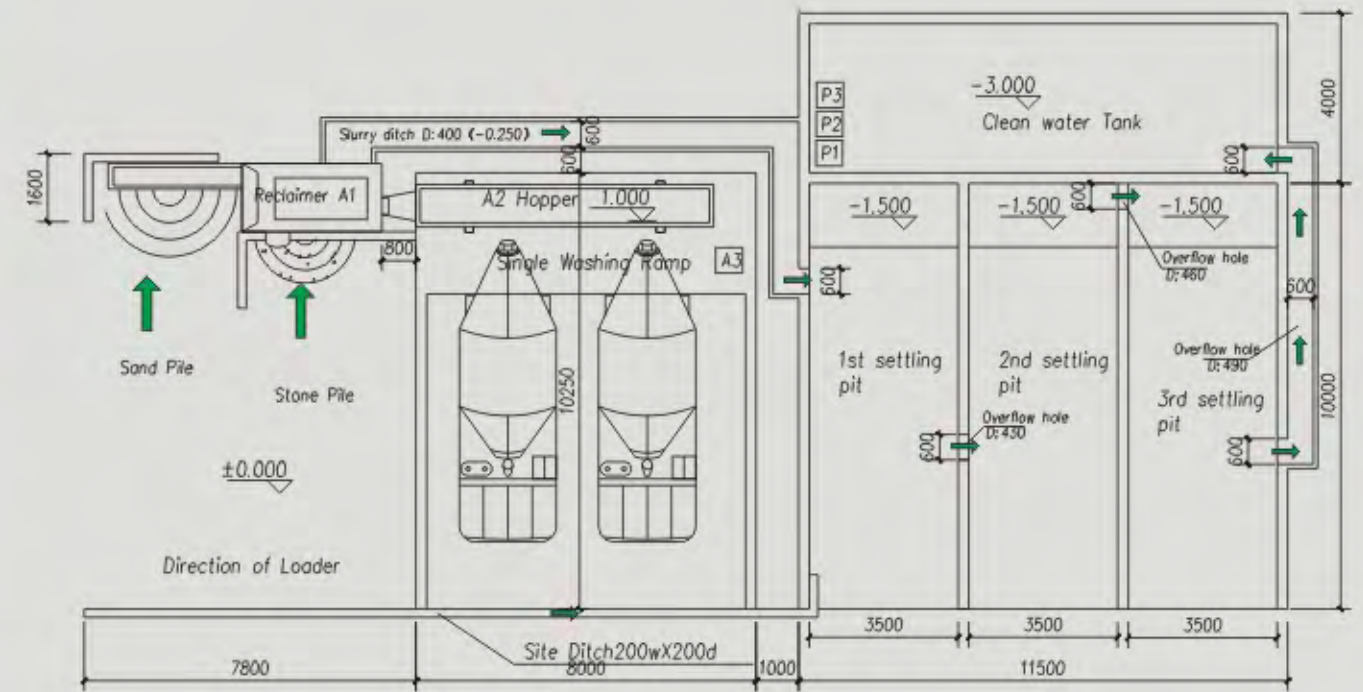
砂石分离系统: CH系列或STF系列分离机、导料槽
电气控制系统: 全自动PLC电气控制柜、线缆
供水系统: 潜水排污泵、阀门、管道

The clean water can be reused to wash truck mixers after precipitating from the settling pits, which greatly reduces fresh water usage.

THE SYSTEM INCLUDES:

Separation System: CH/STF series Concrete Reclaimer, Hopper
Electric Control System: Automatic PLC electric control cabinet, Wiring cables
Water Supply System: Water Pumps, Valves, Pipelines

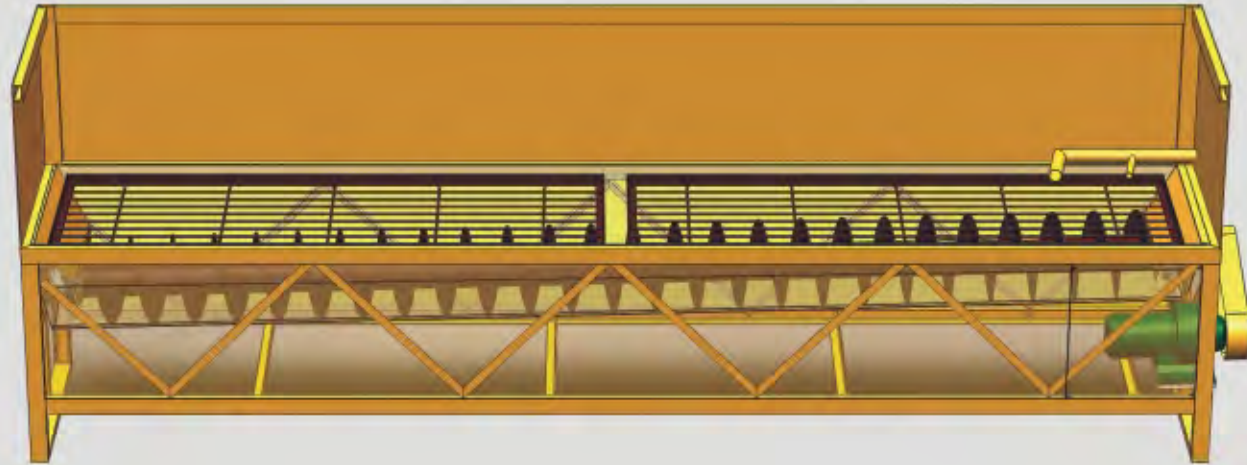
CH-100 (正) 两车无池平面图
CH-100(Positive) Dual Truck Settlement Plan View



NO	名称 NAME	规格 SPECIFICATIONS	备注 REMARKS
A1	砂石分离机 Concrete Reclaimer	CH-100正(Positive)/8kw	
A2	导料槽 Hopper	双车位 (正) Dual Truck (Positive)	
A3	户外控制箱 Electric Control Cabinet	室外防雨、防暴型 Weather-protect	
P1	潜水排污泵 Water Pump	WQ30-13-3	用于冲洗导料槽及主机 Pump water to wash hopper & reclaimer
P2-3	潜水排污泵 Water Pump	WQ30-13-3	用于冲洗搅拌车 Pump water to wash mixer trucks

> DLJ 型搅龙导料槽

DLJ Dosing Buffer Hopper



DLJ型导料槽是为了满足大方料处理客户的需求而设计的，具有以下特点：

- > 输送均匀平稳，不会出现堵料的情况。
- > 下轴采用机械密封形式，密封性能可靠，使用寿命长。
- > 搅龙上部可根据要求配置缓冲格栅。

DLJ Dosing Buffer Hopper is designed for customers who often dispose large volume of waste concrete and has the features as bellow:

- > Smooth delivery, material won't be blocked
- > Mechanical sealing design, reliable and long service life
- > According to customer's request,buffer cover can be equipped or not

规格 Specification

型号 MODEL	叶片直径mm Blade Dia.	送料能力T/H Feed capacity	总功率Kw Power	总重量T Weight	外形尺寸(长×宽×高) Overall size(LxWxH)m
DLJ5	420	>40T/h	4/5.5kw	1.9t	5.8×1.1×1.9
DLJ3	420	>40T/h	4kw	1.2t	3.2×1.1×1.9

工程案例欣赏 PROJECT CASES <



天津金隅 / Indoor Site



天津金隅 / Indoor Site



澳大利亚 / Elvin Group, AU



卡塔尔 / HBK Readymix, QA



泰国 / BNK Engineering, TH



新加坡 / Batch-tec, SG