



TOP Machinery

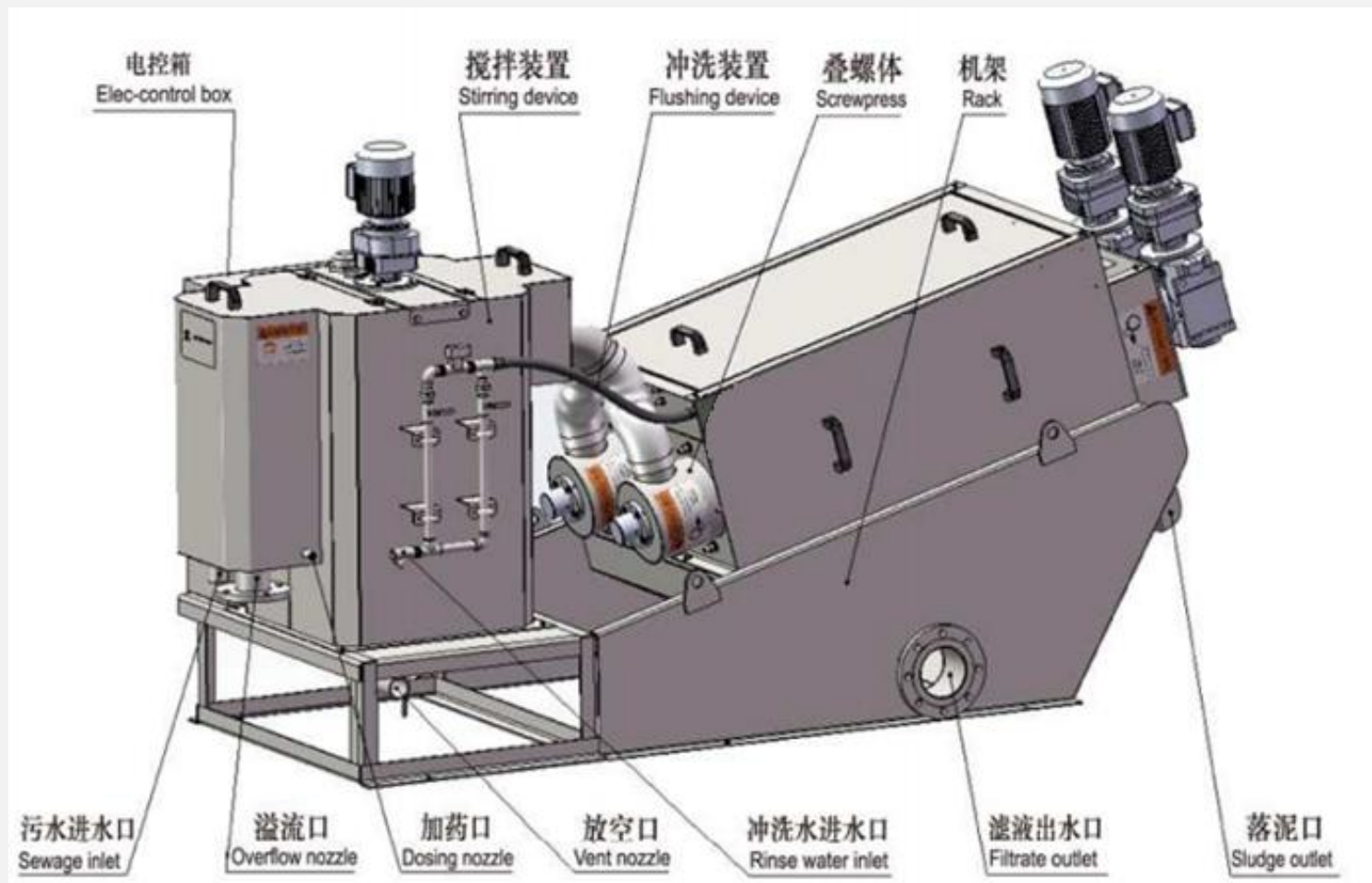
— Screw Type

Sludge Dewatering Machine

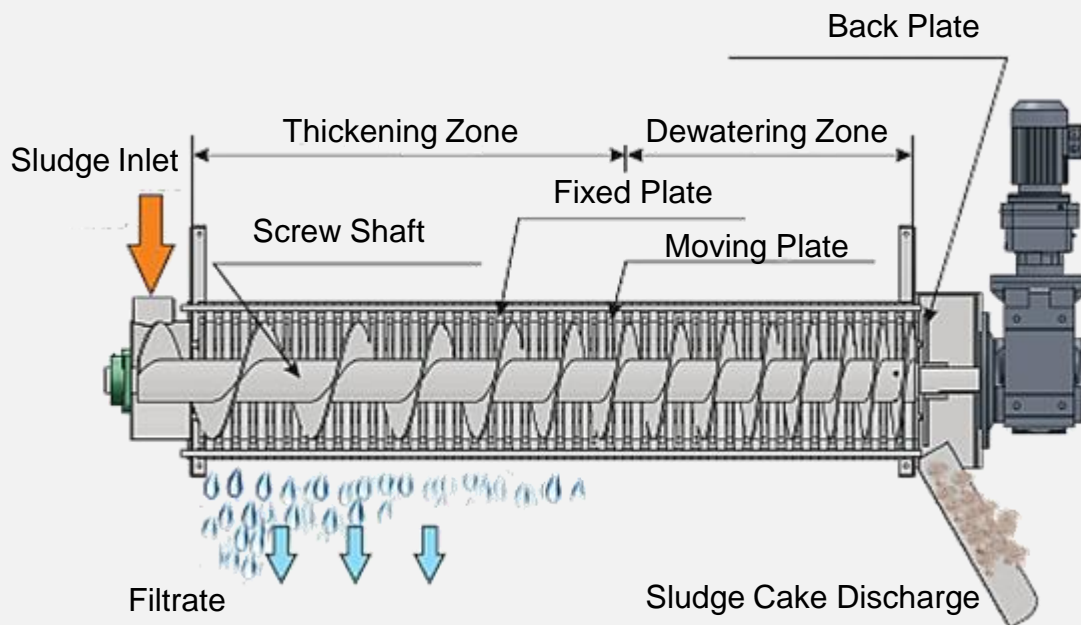


成都拓普机械有限公司
Top Machinery (Chengdu) Co., Ltd.

Structure of Screw Sludge Dewatering machine



Working Principle of Screw Sludge Dewatering machine

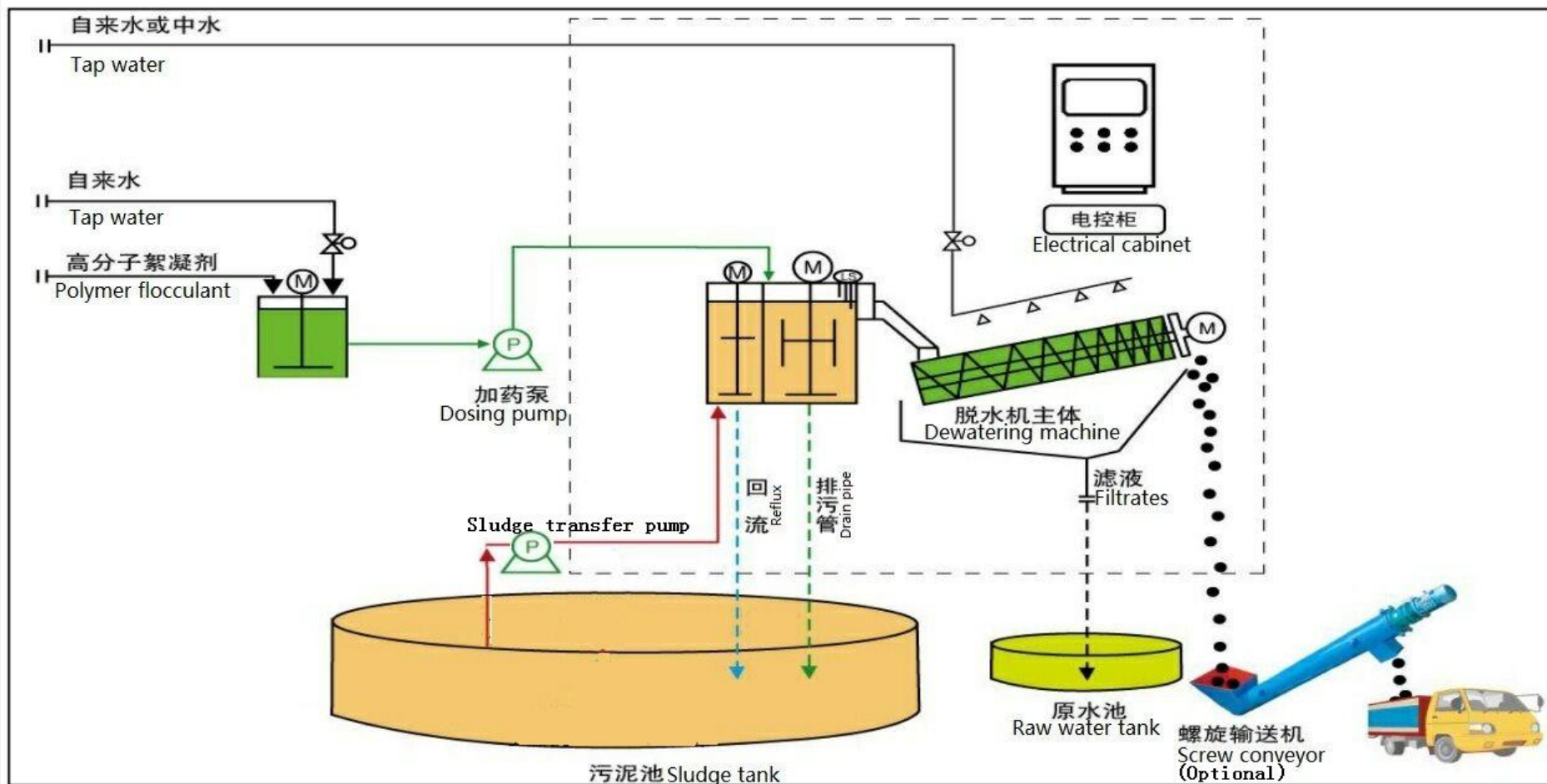


Advantages:

1. Low operation cost: below 40% of belt press and 20% of centrifuge.
2. Power-saving: less than 5% of centrifuge
3. Water-saving: less than 0.1% of belt filter press.
4. Saving drugs: saving around 60%.
5. Compact: saving more than 60% of the investment for dehydration room.
6. Non-clogging: processing the fats & oils and fiber sludge perfectly.

Application: municipal sewage, petro-refining, leather making, dye printing & paper making, coalification dressing, biochemical pharmacy, steel picking and chemical sugar, food processing etc.

Flowchart



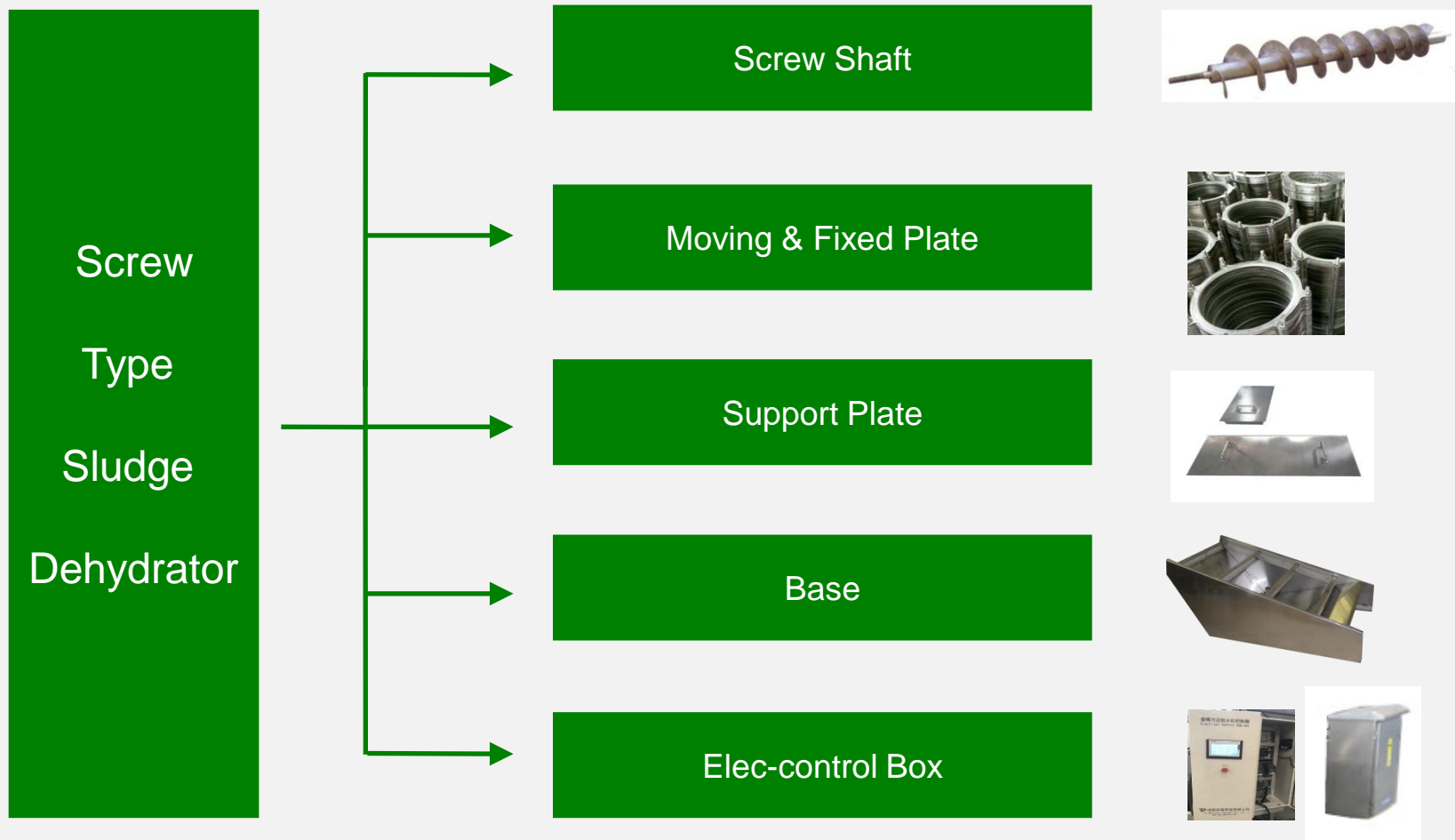
成都拓普机械有限公司
Top Machinery (Chengdu) Co., Ltd.

Specifications

Model	DS(KG/H)	Motor Power(KW)
TPDL131	5-10	0.36
TPDL132	10-20	0.54
TPDL251	15-30	0.92
TPDL252	30-60	1.47
TPDL301	30-60	1.3
TPDL302	60-120	2.05
TPDL303	90-180	3
TPDL351	50-100	1.85
TPDL352	100-200	2.95
TPDL353	150-300	4.4
TPDL401	80-160	3
TPDL402	160-320	4.5
TPDL403	240-480	7.5
TPDL404	320-640	9

Note:Pre-concentration for the SS less than 8000mg/L, dilution for the SS more than 20000mg/L.

Component of Screw Sludge Dewatering machine



Process & Quality Guarantee of Screw Shaft



Before treating



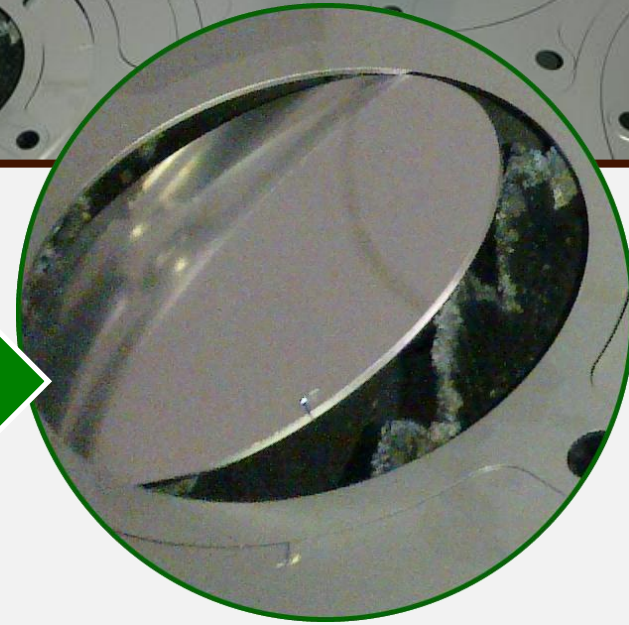
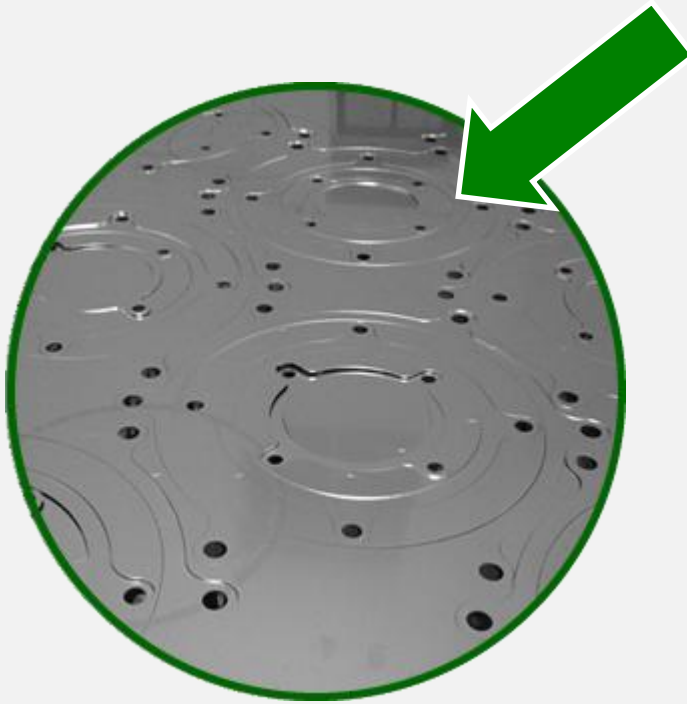
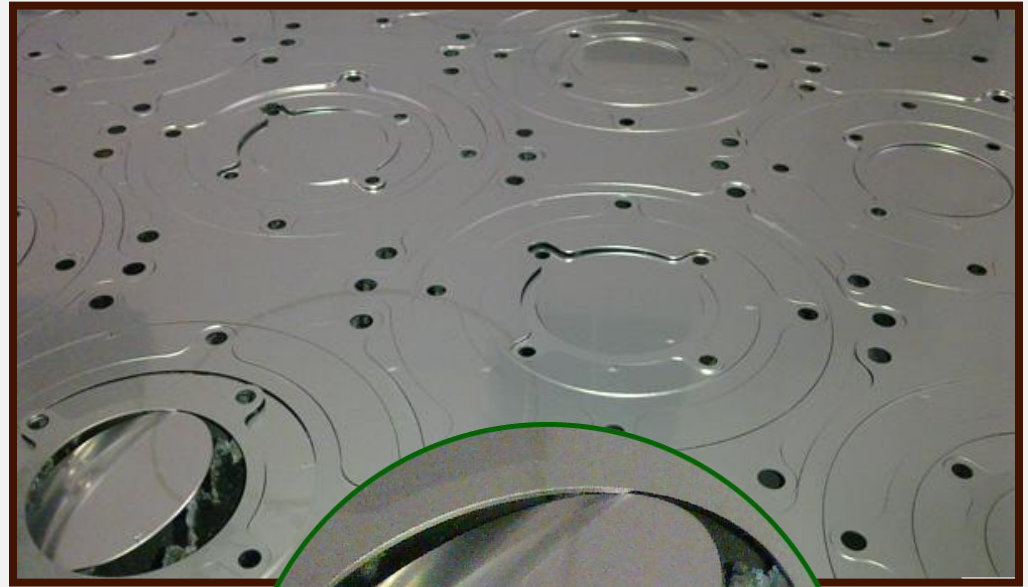
After treating

Our screw shaft treated by special process, please feel relieved about usage.

Process description: The screw shaft is processed by high-precision lathe. Separate rough & finish machining to ensure the accuracy of the parts. Shaft processing is divided into three stages: rough turning (rough turning excircle, drill centre etc.), semi-finish turning(semi-finish turning excircle, step & centre hole and secondary surface lapping etc.), rough & exact grinding(rough & exact grinding excircle), then do the surface-hardening treatment.

Moving and Fixed Ring Quality Guarantee

Adopt laser cutting of moving and fixed rings, surface hardening treatment make it more wearproof. Surface flatness is 6u.



Supporting Plate Process and Quality Guarantee



Support plate also uses laser cutting, it is stronger by adopting double support

The advantages of double support plate :

Double support plate is bigger in strength and stronger in soundness, the shaft concentricity is higher after installation, and is not easily out of shape, ensure the space between moving and fixed rings.



成都拓普机械有限公司
Top Machinery (Chengdu) Co., Ltd.

The material of main host base



Type A

SS316

Type B

SS304

Type C

Carbon steel

All materials of the device base have passed the related certificate

[illegible]

Baosteel's warranty

[illegible]

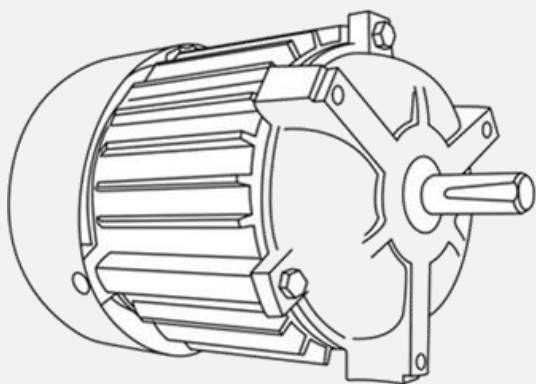
Taiyuan steel warranty

[illegible]

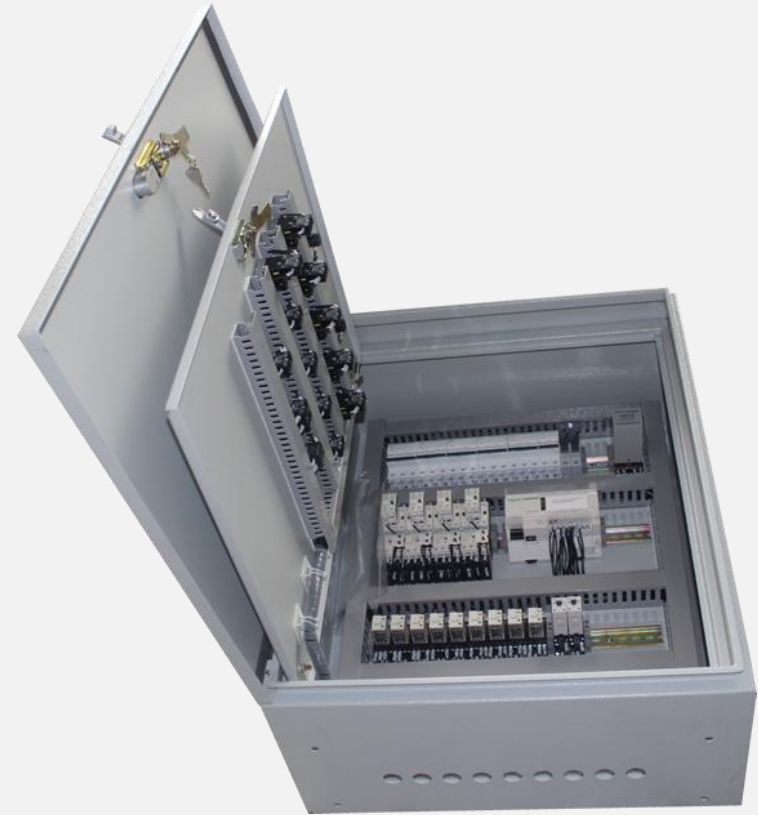
Jiuquan steel group warranty

[illegible]

Vibration stone group warranty

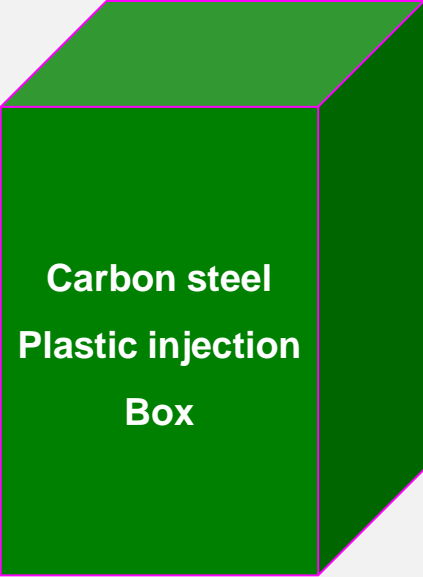


The main motor use the famous brands such as SEW, TUSBAKI, GUOMAO, ESERVO etc. The motor of these brands was practiced and demonstrated by markets for many years, with reliable quality and strong stability.



We have a number of highly qualified, experienced in theory and practice service support team, to be able to provide users with valuable technical service and support.

Electric Cabinet Selection



Type A	Schneider
Type B	Chint
Type C	Chint

(Main body : SS304 ——3mm Flocculation tank : SS304 ——3.0mm)

Pay attention to the following when choose the sludge dewatering machine :

- ◆ If it is equipped with international or domestic famous brand motor, and parameters are appropriate or not.
- ◆ If screw shaft is professionally hardening treatment, wear resistance。
- ◆ If the fixed and moving rings' surface is smooth, thickness is appropriate or not. The uneven surface will increase friction, thin ring is easy to deformation, thick ring will affect mud outlet.
- ◆ Support plate plays a very import role in whole device, it is better to use double plate, as it can guarantee the concentricity of main body, reduce the wear of the shaft.
- ◆ If electrical components choose well-known brand or not will directly affect the service life of the whole electric control

THANK YOU

TOP Machinery (Chengdu) CO., LTD.

Tel : 0086-28-85288996/85135597/85288976

Fax : 0086-28-85288976

Website : www.filter-screens.com www.topindustry.com

Email: grouptop002@yahoo.com

Add: 2303, New Hope Internataional Tower B, 3rd Tianfu Street, High-tech Zone, Chengdu, Sichuan, P.R. of China.