

## 产品介绍/Introduction

粉碎型格栅是市政、水利、泵站系统除污设备，能将污水管网中的树枝、木头、空瓶、易拉罐、拖鞋、卫生巾、布片等杂物垃圾进行粉碎，以保护泵站水泵或后续设备的正常运转。粉碎型格栅能把污水中的悬浮和漂浮垃圾粉碎成6-12mm的细小颗粒，粉碎后的污物无需打捞，直接随污水流走，粉碎型格栅实现了全地理无人值守的能力。

The Waste water Grinder from United Tech Machinery is a high torque, low rotating speed and double shaft grinder under water. It is designed to pulverizing all kinds of solid waste ( clothing, plastic, trash, wood, aluminum can, glass bottle and other debris) to 6-12mm in the modern waste water and sludge to protect pumps, prevents binding and clogging problems. Accommodates high speed water flow while pulverizing various solid waste into particles that let the water flow harmlessly through pumps, pipes and so on.-



## 工作原理 / Working Principle

- 1.管道或渠道中的污水和固体垃圾进入粉碎格栅;
- 2.格栅的刀片旋转粉碎固体垃圾;
- 3.固体垃圾被粉碎成6-12mm， 流出粉碎格栅;
  - a.旋转的绕线式转鼓捕获并引导较大的固体垃圾到切割区。小于9mm的垃圾和污水一起流转过转鼓;
  - b.导流槽引导砂石通过， 保护轴和机械密封
- 4.可加配输送机， 将粉碎后的固体颗粒输送至外面做下一步处理。
  - 1.Wastewater with solid waste in the pipeline or channel;
  - 2.Grinder pulverize the solid waste by rotating blades;
  - 3.Solid waste was reduced to 6-12mm particles and passes through the grinder;
    - a.Rotating wound-rotor drum captures and directors the big sold waste to grinding chamber. Smaller solid waste (less than 9mm) waste water can pass through the rotating drum;
    - b.Diversion trench guides the sands through, protects the shaft and mechanical seal from the sand damaging.
  - 4.Can equip the transit conveyor to outside for next treatment.

我们的粉碎格栅产品系列有：管道式格栅，渠道式格栅（无鼓、单鼓、双鼓），污泥切割机。

**Our grinders series include pip-line wastewater grinder, channel wastewater grinder (non, single, double drums), and sludge cutter, etc.**

### Pipeline Grinder, similar to sludge cutter:

For **low flow, buildings and small pump station applications** the grinder is a reliable grinder in a small package. It grinds wastewater to eliminate costly pump problems and sewer back-ups. Suitable to flow rate less than 300m<sup>3</sup>/hour.

### Pipeline Grinder, similar to sludge cutter:

Suitable to flow rate less than 300m<sup>3</sup>/hour.

### Non-drum grinder, suitable to flow rate less than 340m<sup>3</sup>/hour.

### Single drum grinder, suitable to flow rate as 400-1000m<sup>3</sup>/hour;

### Double drum grinder, suitable to flow rate over 1100m<sup>3</sup>/hour.



Pipeline Grinder    Non-drum Grinder    Single Drum Grinder    Double Drum Grinder

# 粉碎格栅

## Wastewater Grinder



### 应用范围/Applications > >

F粉碎型格栅适用于污水处理厂、自来水厂、雨泵站及进水口渠道(井), 截留水中的漂浮物, 保证后续水泵的正常运行, 是一种先进的拦污设备。

The Waste water grinder is suitable for Waste Water Treatment Plant, Water works, Rain Pump station and the water inlet channel (well), intercepts floating materials in water, guarantees normal operation of subsequent pump, it's an advance intercepting waste water device.

### Technical parameter

Item	Model	Flow Rate (m3/h)	Pipe	Motor Power (KW)	Net Weight (kgs)
Pipe grinder	UTP100	60	DN100	1.5/2.2	160
	UTP150	90	DN150	2.2	185
	UTP200	120	DN200	3	210
	UTP250	150	DN250	3	245
	UTP300	180	DN300	3	280
Non-drum grinder	UTN60	60	≤DN300	2.2	185
	UTN80	80	≤DN300	3	218
	UTN120	120	≤DN400	3	230
	UTN170	170	≤DN600	4	265
	UTN240	240	≤DN800	4	300
	UTN340	340	≤DN1000	4	330
Single drum grinder	UTS400	400	≤DN500	4	436
	UTS600	600	≤DN600	4	486
	UTS800	800	≤DN800	5.5	526
	UTS1000	1000	≤DN1000	5.5	572
Double drum grinder	UTD1100	1100	≤DN800	5.5	670
	UTD1600	1600	≤DN1200	5.5	740
	UTD2200	2200	≤DN1400	7.5	815
	UTD3000	3000	≤DN1400	7.5	890
	UTD4000	4000	≤DN1800	7.5	1144
	UTD5200	5200	≤DN1800	11	1442
UTD6700	6700	≤DN2400	11	1570	

#### 备注/Note:

1. 供电电压及电机功率可根据客户具体要求另行选配;
  2. 物料成分和出料尺寸要求会影响破碎产量。
- 以上规格仅供参考, 如有更改恕不另行通知。请在订购前与我司销售代表确认。
1. The voltage and motor power about the power supply can be selected by the customer's specific requirements.
  2. The shredder capacity can be influenced by the material composition and output size.
- The above specifications are only for reference and subject to change without prior notice, please confirm with our sales representative when making order.

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