Blades with different hooks:
刀片的类型

Single-hook blade
单爪刀片

Two-hook blade
双爪刀片

Three-hook blade
三爪刀片

Five-hook blade
五爪刀片

Multi-hook blade
多爪刀片

Hooks type 按刀片抓数分类	Application characteristics 应用特点
Single-hook blade 单爪刀片	Single hook blade configuration is the most universal blade choice. It has a powerful structure and can be used in a wide range of applications. 单爪刀片适用广泛，因其具有很强的撕碎力度，可用于各种物料的撕碎。
Two-hook or Multi-hook blade 双爪或多爪刀片	Multi hook blade configuration is used primarily for shredding easy to shred products. It is more efficient when doing light shredding applications. 双爪或多爪刀片主要针对一些较为易碎的物料，可提高撕碎的产量。

Blades with different thickness:
刀片的厚度

- The 10 and 20mm thick blades are suitable for fragile materials such as medical packaging and electrical board.

  10mm-20mm的刀片适用于较薄较易破碎的产品，如医疗用品和电路板等。

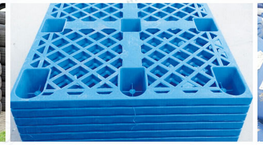
- The 40 and 50mm thick blades are widely used. It is suitable for various materials such as tires, plastic products, wood pallets, film and etc.

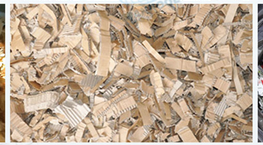
  40mm-50mm厚的刀通用于一般产品，如塑料制品，薄膜，塑料桶，轮胎，木头木板等。

- 75mm thickness blades are used for shredding metal items or plastic/metal compounds such as refrigerators and drums. The blades can handle material up to 10mm in thickness.

  75mm以上的刀片适用于较厚塑料或塑料和金属复合制品，如电冰箱,金属罐,及金属厚度在10mm以下的其它制品。

	E-waste 电子垃圾	Metal drum 金属桶	IBC container IBC 吨桶
Before shredding 破碎前			
After shredding 破碎后			

	Waste tire 废旧轮胎	Plastic pallets 塑料托盘	Plastic drum 塑料桶
Before shredding 破碎前			
After shredding 破碎后			

	Wooden pallet,Wood 木托、木材	Waste paper,Carton 废纸、纸箱	MSW 生活垃圾
Before shredding 破碎前			
After shredding 破碎后			

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DOUBLE SHAFT SHREDDER
双轴撕碎机

适用于电子垃圾、塑料、金属、木材、废旧橡胶、包装桶、托板等

suitable for shredding solid material such as E-waste, metal, wood, plastic, scrap tires, packaging barrel, pallets, etc.

PNSS 系列双轴撕碎机

PNSS series Double Shaft Shredder

Application:

Plastic 塑料
Small engineering plastic 小型工程塑料
Composite pipe with steel wire 钢丝管材
Plastic pipe 塑料管材
Packaging barrel 包装桶
Plastic pallets 塑料托板
Lump 胶头料

Metal 金属
Steel (Drums, Sheet etc) 薄壁废钢
Vehicle Body Shells 汽车车身
Engine Case 发动机外壳
Aluminum Profile 铝型材
Baled Aluminum 打包铝
Oil Drum 油桶

Wood 木材
Wood pallets 木托板
Timber 木材
Crosstie 枕木

WEEE appliances 电子垃圾
TV 电视机
Computer 电脑
Washing machine 洗衣机
Printer 打印机
Refrigerator body shells 冰箱外壳

Waste Rubber 废旧橡胶
Tires 轮胎
Rubber products 橡胶制品

Other 其他
MSW 生活垃圾
Medical Waste 医疗废弃物
Industrial Waste 工业垃圾
Paper 纸张文件
Biomass 生物质

Features:

Rotating Screen(optional) 旋转筛网(选配)

Since material does not pass through a traditional screen when used on a two-shaft shredder,we use a rotating screen to control the chip size. It features a rotating trommel screen around the machine body which feeds oversized particles back into the shredder hopper to be shredded again.
在双轴撕碎机上可安装旋转筛网来控制物料的尺寸。撕碎后的物料若大于筛网的孔径，将再循环送入撕碎机重复撕碎，使撕碎后的物料控制在指定的尺寸范围。

Hydraulic Feeder(optional) 液压喂料(选配)

When shredding large hollow items, we can fit the machine body with a hydraulic ram which forces the material onto the blades, the throughput can be increases accordingly.
当处理中空或者松散的物料时，双轴撕碎机上可安装压料装置，通过液压把中空物料强制压送到切刀上，大大提高撕碎效率。

Hydraulic Drive(optional) 液压驱动(选配)

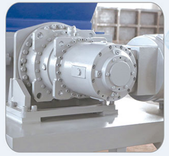
The hydraulic drive system, instead of motor drive, is designed to work under the harshest applications. It increases torque and the speed can be controlled without undesirable current peaks. Meanwhile, the probability of the mechanical damage is reduced accordingly.
双轴撕碎机可采用液压驱动替代电机驱动，具有高转速、超大转距的特点，能频繁正反转，适用于金属的撕碎。可使撕碎更平稳的同时减低机械损坏机率。

Blade 刀具

To ensure durability and flexibility, we can offer the different kinds of blades according to different materials.
根据要撕碎不同的材料和产品形状,可选择不同类型的刀具。

Planet-gear Speed Reducer 行星齿轮减速机

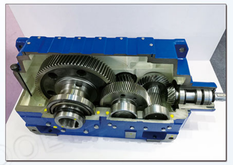
Compact structure, small size, high speed of transmit, large bearing capacity. There are various features, such as high efficiency of transmit, steady operation, impact resistant and shock resistant etc.
结构紧凑，体积小，传递功率大，承载能力高，具有传动效率高，运行平稳，抗冲击和抗震动能力高的特点。



Introduction:

The PNSS series shredders have been designed for a wide array of applications and industries, suitable for shredding solid material such as E-waste, metal, wood, plastic, scrap tires, packaging barrel, pallets, etc. Depending on input material and the following process the shredded material can be used directly or go into the next step of size reduction. It is widely used in industry waste recycling, medical recycling, electronic recycling, pallet recycling, municipal solid waste recycling, plastic recycling, tire recycling, paper making industry and etc.

PNSS系列双轴撕碎机可满足各行业的废料回收要求，适合撕碎较厚难碎物料，如：电子垃圾、塑料、金属、木材、废旧橡胶、包装桶、托板等。可回收材料种类繁多，经撕碎后的物料可直接回收使用或根据需求作进一步细化处理。适用于工业废弃物回收、医疗回收、电子制造、托板制造、木材加工、生活垃圾回收、塑料回收、轮胎回收、造纸等行业的应用。此系列双轴撕碎机拥有低速、大扭矩、低噪音等特点，采用西门子编程控制系统，可自动控制，设有启动、停止、反转以及超载自动反转控制功能。



产品参数 Specification	Shredder Motor Power(电机功率)	Shredding Chamber Size(撕碎腔体尺寸)
PNSS-300	5.5	510 X 300
PNSS-400	7.5	510 X 400
PNSS-600	7.5 + 7.5	510 X 600
PNSS-800	11 + 11	600 X 800
PNSS-1000	18.5 + 18.5	800 X 1000
PNSS-1200	30 + 30 / 22 + 22	1000 X 1200
PNSS-1400	45 + 45	1400 X 1200
PNSS-1600	55 + 55	1600 X 1200
PNSS-1800	75 + 75	1800 X 1400
PNSS-2000	90 + 90	2000 X 1400

注:撕碎机的撕碎刀轴长度和刀片的回转直径可以核据客户的要求特殊定制,并且驱动方式也可以为液压马达.
The effect shredding rotor length, the shredding blades' rotating diameter can be tailor-made,additionally, the driving method also can be hydraulic motor.

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