



单轴撕碎机

SINGLE SHAFT SHREDDER

单轴撕碎机的设计可满足各种行业的废料回收要求，适用于塑料、纸张、木材、纤维、橡胶、生活垃圾回收处理等，可回收材料种类繁多。我们根据物料进料大小、产量以及最终产品的出料尺寸等为客户配置最优方案。该系列单轴撕碎机采用PLC控制系统，可自动控制，设有启动、停止、反转及超载自动反转控制功能，具有低速、大扭矩、低噪音等特点。

The single shaft shredder is suitable for recycling wide range of materials. It is an ideal machine for plastic, paper, fiber, rubber, organic waste and a wide variety of materials. As per our customers' requirements, such as the input size of the material, capacity and the final output size etc, we could work out a suitable proposal for our clients. After being shredded by the machine, the output material could be used directly or go into the next step of size reduction. With the function of Siemens microcomputer control system, it is possible to control automatically start, stop, automatic reverse sensors to protect the machine against over loading and jamming.

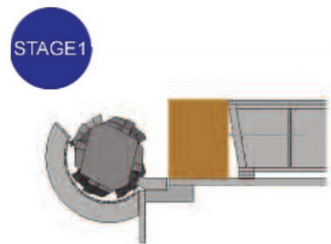
工作原理(working principle):

物料从进料斗进入机箱，推料箱在液压缸的推动下将物料推向旋转刀辊，旋转动刀和定刀将物料破碎，破碎后的物料通过筛网落下，然后通过辅助输送设备输送到下一道工序或进行收集与包装。

物料通过进料系统进入撕碎箱体内部，箱体上承载有撕碎刀片，推料箱将物料推至刀片附近，物料经过撕碎刀片撕扯、挤压、剪切等综合作用，撕碎成小块的物料，从筛网孔中排出。

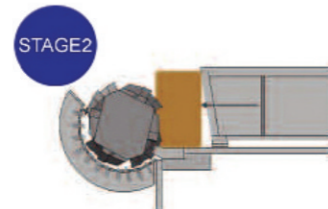
Materials from the hopper into the chassis, push the tank under the impetus of the hydraulic cylinder to push the material to the rotating knife roll, rotary knife and fixed knife to crush the material, crushed material falls through the screen, and then transported through the auxiliary convey to next process or collection and packaging.

Materials through the feed system into the interior of the shredder box, carrying a shredding blade on the box, push the pusher to push the material to the vicinity of the blade, the material after tearing the blade tear, squeeze, shear and other integrated role, shredded into small pieces of material, discharged from the screen hole.



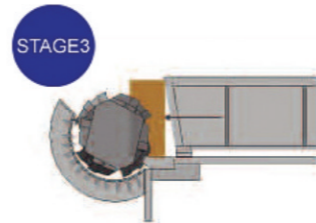
推料箱物料已经预设好转速的刀滚

Push box material has preset speed knife roll



旋转的刀具将物料切割

Rotating cutter cuts material



推料箱继续把物料推向刀滚，使产量最大化

Pusher box continues to push material towards tool roller to maximize production



内部
Inside



刀具
Blade



侧面
Side

技术参数(technical parameter):

型号 model	刀盘直径 blade diameter (mm)	破碎室尺寸 feed inlet size (mm)	产量 capacity (kg/h)	功率 power (kw)	外形尺寸 size(L x W x H) (mm)	重量 weight (kg)
DZ-600	260	600 x 550	300-500	15	1800 x 1300 x 1700	2850
DZ-800	300	800 x 600	500-800	37	2800 x 1800 x 2100	4200
DZ-1000	350	1000 x 700	800-1500	45	2800 x 2000 x 2100	6500
DZ-1200	400	1200 x 900	1500-2500	55	2800 x 2500 x 2100	7800
DZ-1400	450	1400 x 900	2500-4000	75	2800 x 2800 x 2100	9600
DZ-1600	500	1600 x 1000	4000-6000	90	3000 x 2800 x 2100	12500



双轴撕碎机

DOUBLE SHAFT SHREDDER
(减速器+电动机驱动) Reducer and motor drive

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PLC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。

The double shaft shredder 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, papermaking industry and etc.

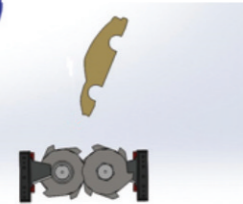
工作原理

WORKING PRINCIPLE

双轴撕碎机采用双轴独立驱动，从而在生产时，使物料产生相应的被压，达到自动送料功能，独特的刀轴结构与四角旋转式刀具，在低转速高扭矩的生产过程中，不会出现缠轴、或卡死设备的现象，从而提高了生产效率，该设备适用于各种韧性、粘性较高的物料的粉碎。

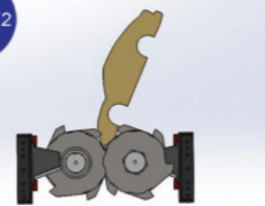
Double shaft shredder adopts two-axis independent drive, so that the production of materials to produce the corresponding pressure, to achieve automatic feeding function, a unique knife shaft structure and four-corner rotary tool, low speed high torque in the production process, There will be no winding shaft, or stuck phenomenon of the device, thereby increasing the production efficiency, the device is suitable for all kinds of toughness, high viscosity material crushing.

STAGE 1



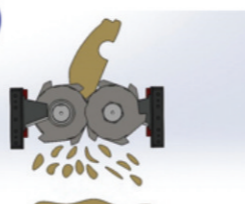
物料投入已设定好转速的刀辊中
Material fed into setted speed rotary blade axes

STAGE 2



高速旋转的刀爪把物料带进两个刀辊之间
High rotary claw brings material between two blade axes

STAGE 3



旋转的双刀辊将物料进行剪切撕碎
Material will be cut and shredded by two rotating blades axes

技术参数

TECHNICAL PARAMETER

型号 model	外形尺寸 size(L × W × H) (mm)	破碎腔尺寸 feed inlet size (mm)	刀片直径 blade diameter (mm)	刀片厚度 blade thickness (mm)	刀片数量 blade quantity (把)	功率 power (kw)	重量 weight (kg)
SZ-500	2800 × 1300 × 1850	500 × 480	200	20	24	11 × 2	2200
SZ-800	3000 × 1300 × 1850	800 × 480	200	20	40	15 × 2	2500
SZ-1000	3300 × 1900 × 2200	1000 × 690	300	40	24	22 × 2	5200
SZ-1200	3600 × 2000 × 2200	1200 × 690	300	40	30	30 × 2	6400
SZ-1500	4180 × 2100 × 2400	1500 × 850	550	50/75	30/20	55 × 2	9000
SZ-1800	5800 × 2400 × 3300	1800 × 1206	550	50/75	36/24	75 × 2	13600
SZ-2000	6400 × 2700 × 3500	2000 × 1490	600	50/75	40/26	90 × 2	20100
SZ-2500	7500 × 3200 × 3800	2500 × 1800	600	75/100	32/24	110 × 2	25000
SZ-3000	8600 × 3500 × 4000	3000 × 1800	600	75/100	40/30	160 × 2	31000

备注：1、刀片爪数、直径、厚度可根据物料种类、出料尺寸定制；2、物料种类和出料尺寸不同，设备产量也会不同。
Remarks: 1、Blade claws quantity, diameter and thickness can be customized based on material type and output size。
2、Different material type and final product size will lead produce different capacity.

产品图片

PRODUCT PICTURES

