

MORE
ENERGY-EFFICIENT
POWERFUL
SHREDDER/CRUSHER

Auto Siwellge

SIWELLGE ENVIRONMENTAL TECHNOLOGY
苏州斯威尔环保科技有限公司

江苏省 张家港市锦丰镇 沿江公路1787号
Add: No.1787 Yanjiang Road, Jinfeng Town, Zhangjiagang City,
Jiangsu Province China.
Tel: +86-512-58571019
Fax:+86-512-58571019
Moblie:**139 6225 2588　137 7626 2020**
Http://www.jsswe.com
E-mail：zjgshunxiang@163.com

Mark:all of drawings,written explanation,parameters in the sample book are for your reference only.If some of them are changed,excuse us, we shall not make send out a notice separately,please take the product as its actual sample, SIWELLGE keeps the last explanation right.





Welcome to Auto Siwellge

Siwellge苏州斯威尔环保科技是一家中德技术合作共享的企业，研发的回收设备其核心技术与关键零部件均来自德国莱茵河畔，公司是致力于为全球客户提供固废物回收再生的环保创新型企业。我们的服务触达全球50多个国家。

斯威尔业务囊括废弃物处理与利用再生资源回收与利用、环保设备研发与生产。

15年深耕，专注创新，斯威尔运用其在环保领域前瞻以及敏锐的市场洞察，能迅速顺应市场变化，整合多方资源，优化迭代，为客户提供一站式跨领域的个性化解决方案。

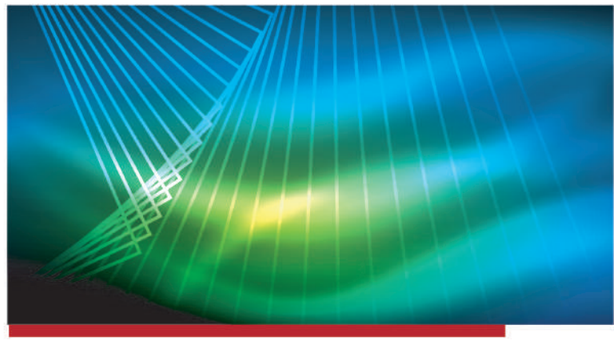
通过深度挖掘客户需求，行业数据斯威尔可为客户提供创新专属的解决方案，提高客户的效率，凭借其创新科技在全球范围内践行“更快更稳更高更远”的承诺。

我们的撕碎破碎设备、原料专家、工程师和客户一起设计解决方案，聚焦客户的挑战。

超过
50个
合作客户遍布各个国家

超过
8000台
已安装撕碎破碎设备

超过
12000个
累计提供的技术方案





Suzhou Siwellge Environmental Protection Technology is a Sino-German technical cooperation and sharing enterprise, the core technology and key components of the recycling equipment are from the German Rhine River, the company is committed to providing global customers with solid waste recycling and innovative environmental protection enterprises. Our services reach more than 50 countries around the world.

Siwellge's business includes waste treatment and recycling of renewable resources, research and development and production of environmental protection equipment.

With 15 years of deep cultivation and focus on innovation, Siwellge uses its foresight in the field of environmental protection and keen market insight to quickly adapt to market changes, integrate multi-party resources, optimize iteration, and provide customers with one-stop cross-field personalized solutions. By digging deeply into customer needs, Industry Data Siwellge can provide customers with innovative and exclusive solutions, improve customer efficiency, and fulfill the promise of "faster, more stable, higher and further" on a global scale with its innovative technology.

GE-S SINGLE SHAFT SHREDDER
GE-S单轴撕碎机



GE-S Series shredder has high automation degree and high production efficiency, which enables users to recycle large diameter plastic waste products, pipes and head materials economically and effectively.
The single-axis shredder is mainly composed of motor, hard tooth surface reducer, rotary cutter shaft, imported moving knife, fixed knife, frame, frame, box, oil cylinder, oil pump and other main structures.
Frame with constant dao, rotating shaft equipped with removable inserts, the moving knife and the knife is a surface can use knife, remove the change point of view, after using a blunt after heat treatment the hardness of HRC60 ° above, so the service life is long, strong cutting ability, high capacity, effectively reduce the labor intensity, improve the working environment.

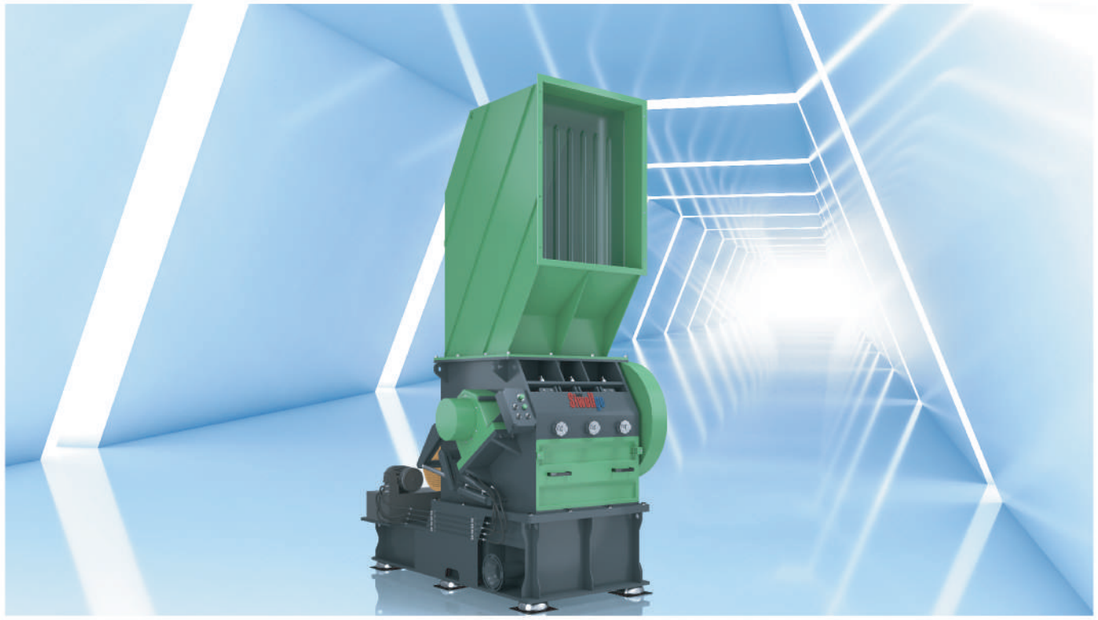
GE-S系列撕碎机自动化程度高，生产效率高，能使用户经济有效的回收大口径塑料废品、管材及机头料。
单轴撕碎机由电机、硬齿面减速机、旋转刀轴、进口的动刀、定刀、机架、机座、箱体、油压缸、油泵等主要结构组成。
机架上装定刀、旋转刀轴上装有可卸式嵌入动刀，且动刀是一四角面可使用刀，用钝后拆下更换角度，经热处理后硬度达HRC60°以上因此使用寿命久，切削能力强，产能高，有效的降低劳动强度，改善作业环境。



MAIN TECHNICAL PARAMETERS

Shredder Model	撕碎机型号	GE-S 600	GE-S 800	GE-S 1000	GE-S 1200
Diameter Rotary	旋转刀直径	300mm	400mm	460mm	460mm
Rotate the number of knives	旋转动刀刀数	33	56	64	72
Rotate the cutter shaft speed	旋转刀轴转速	82rpm	90rpm	87rpm	87rpm
Number of fixed knives	固定刀数量	1把	2把	2把	2把
Hydraulic power	液压站功率	2.2KW	3KW	5.5KW	5.5KW
Working pressure	使用压力	6-12Mpa	6-12Mpa	6-12Mpa	6-12Mpa
Crusher capacity	破碎能力	300-500kg/h	500-800kg/h	1000-1500kg/h	2000-3000kg/h
Feeding caliber	喂料口径	600mm×950mm	800mm×950mm	1000mm×1000mm	1200mm×1100mm
Power of main motor	主电机功率	22KW	37KW	55KW	75KW
Host weigh	主机重量	2300kg	3800kg	5000kg	8000kg
External dimension	外型尺寸	2000×1500×1500	2500×1800×1900	3000×2200×2200	3400×2500×2400
Maximum yield	最大产量	300-500kg/h	500-1000kg/h	1000-1500kg/h	2000-3000kg/h

GE-H HEAVY CRUSHER
GE-H重型破碎机



GE-H series heavy crusher is widely used, customized special main spindle for customer material needs. Reliable performance, high yield. The unique midbox structure and hopper form can further recycle large home appliance shell, automobile bumper, rubber rear wall plastic products to fine particles. It can also be used in various recycling production lines. For example, with the shredder, the packaging material is shredded for the next step, and the granulation line is cleaned to meet the high yield recovery needs of customers.

GE-H系列重型破碎机应用比较广泛，针对客户物料需求定制专用的主转轴子。性能可靠，产量高。独特的中箱结构及投料斗形式，可将大型家电外壳、汽车保险杆、橡胶后壁塑料制品等进一步回收至细小颗粒。也可用于各种再生回收生产线。如配合撕碎机将打包物料撕碎后进行下一步细化，配合清洗造粒线等来满足客户高产量回收需求。

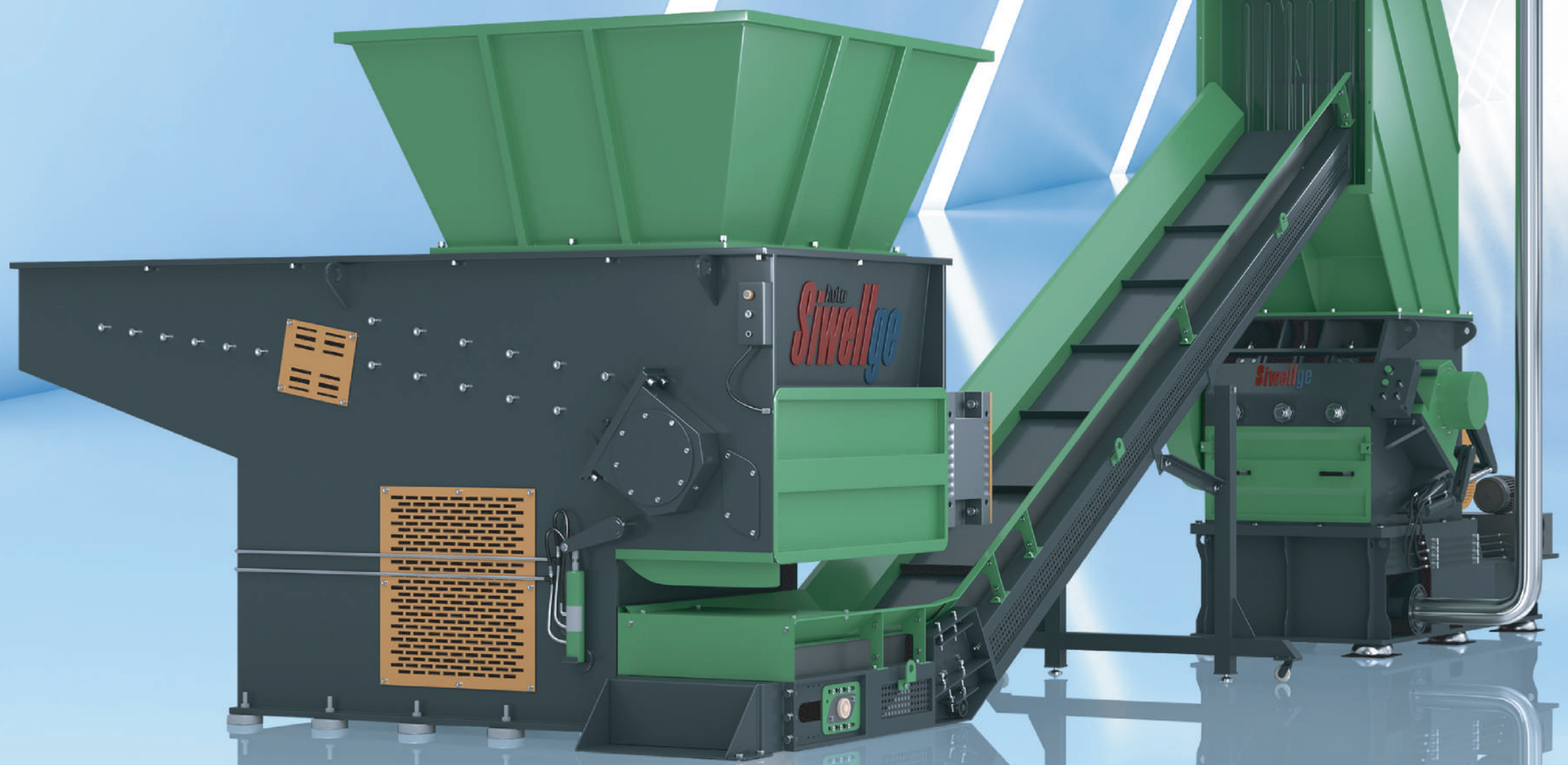
MAIN TECHNICAL PARAMETERS

Model 型号	GE-H600/350	GE-H600/450	GE-H800/450	GE-H800/600	GE-H1000/600	GE-H1200/600	GE-H1200/800
Rotor shaft length 转轴长度（mm）	600	600	800	800	1000	1200	1200
Hopper opening 入料口尺寸（mm）	450×600	530×600	750×800	800×1000	1020×1100	1100×1220	1100×1420
Rotor diameter 回料直径（mm）	350	450	450	600	600	600	800
Main shaft speed 主轴转速（rpm）	520	520	520	500	500	500	480
Screen size 筛网孔径（mm）	10-50	10-50	10-50	10-50	10-50	10-50	10-50
Fixed blades 定刀数量（pcs）	4	4	4	4	4	4	4
Rotor blades 动刀数量（pcs）	2×3	2×3	2×3	2×5	2×5	2×5	2×5/2×7
Hydraulic power 液压功率（kw）	/	1.1	1.5	1.5	1.5	1.5	3
Power 电机功率（kw）	22	30	37	55	55/75	75/90	132/160
Dimension L×W×H 外形尺寸（mm）	1650×1100×2000	1850×1250×2400	2100×1750×3350	2600×1750×3350	2550×2150×3400	2550×2350×3400	3600×2400×4500
Weight 整机重量（kg）	1800	2600	3100	4000	4500	5500	10000



GE-U SHREDDER +CRUSHER LINE (2 IN 1)

GE-H撕碎+破碎二合一生产线



GE-X HEAVY SHREDDER
GE-X重型撕碎机



GE-X series single-axis shredder is a large shredding equipment, suitable for high output of large-scale shredding all kinds of materials, especially for large size or high hardness materials (such as thick wall pipe, pallet, revolving box, film, woven bag, light metal, etc.), large capacity hopper and bin with horizontal flat push system to maximize its advantages of shredding high hardness and large size materials. Depending on the type of material, the output of this series of shredders is between 1500 kg/h and 12000 kg/h.

GE-X系列单轴撕碎机是大型撕碎设备,适合高产量大规模撕碎粉碎各种物料，尤其适合大尺寸或高硬度物料(如厚壁管,托板,周转箱,薄膜,编织袋,轻金属等)，大容量料斗和料仓配合卧式平推系统最大限度发挥其撕碎高硬度大尺寸物料的优越性。根据物料类型该系列撕碎机产量大约在1500公斤/小时至12000公斤/小时之间。



MAIN TECHNICAL PARAMETERS

Shredder Model	撕碎机型号	GE-X 1500	GE-X 1800	GE-X 2000	GE-X 2800
Diameter Rotary	旋转刀直径	460mm	460mm	750mm	750mm
Rotate the number of knives	旋转动刀刀数	108	128	144	200
Rotate the cutter shaft speed	旋转刀轴转速	82rpm	82rpm	82rpm	82rpm
Number of fixed knives	固定刀数量	3把	3把	4把	4把
Hydraulic power	液压站功率	11KW	11KW	15KW	18.5KW
Working pressure	使用压力	6-12Mpa	6-12Mpa	6-12Mpa	6-12Mpa
Power of main motor	主电机功率	2×75kw	2×90kw	2×110kw	2×132kw
Host weigh	主机重量	11000kg	13000kg	18500kg	21000kg
External dimension	外型尺寸	3800×3550×2800	3800×3750×2800	4000×4500×3200	4000×5000×3200
Maximum yield	最大产量	2500-4000kg/h	3000-5000kg/h	8000-10000kg/h	8000-10000kg/h

GE-A SWING ARM SHREDDER
GE-A摆臂撕碎机



GE-A series single-axis shredder is suitable for crushing a variety of materials of high yield large equipment, especially crushing packed into bundles of toughness or medium hardness materials (film bottles, etc.). The machine is equipped with swing arm push design and PLC automatic control system to achieve higher output. Depending on the type of crushing material, the output of this series of shredders is between 1500 kg/h and 9000 kg/h.

GE-A系列单轴撕碎机是适合破碎各种物料的高产量大型设备，尤其适合破碎打包成捆的韧性或中硬度物料(薄膜瓶料等)。整机配备摆臂推料设计和PLC自动控制系统，实现较高产量。根据破碎物料类型，该系列撕碎机产量大约在1500公斤/小时至9000公斤/小时之间。



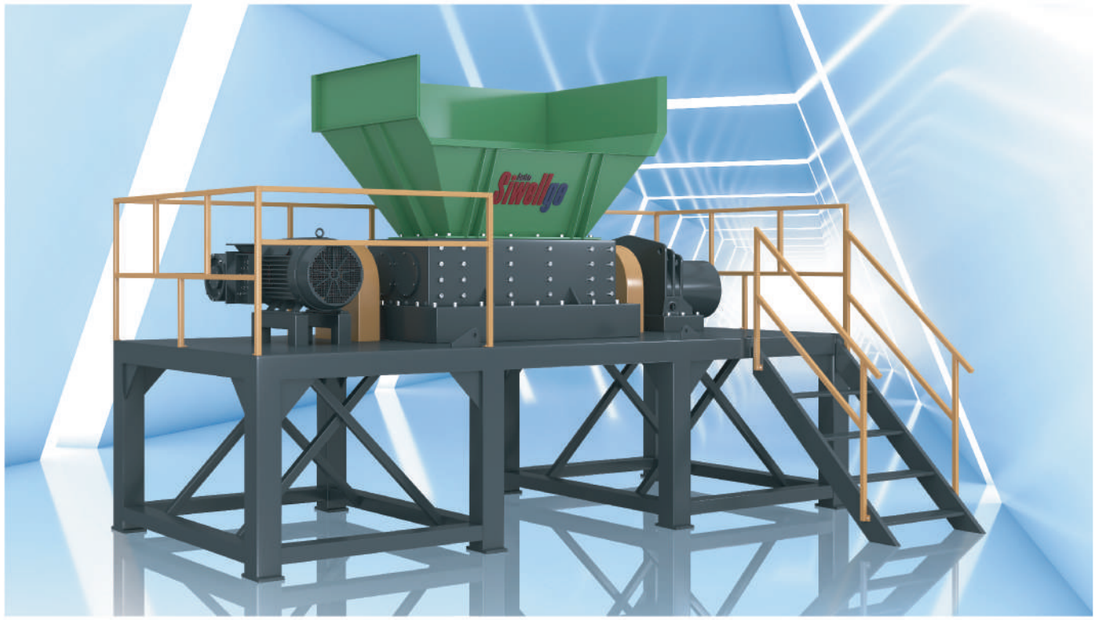





MAIN TECHNICAL PARAMETERS

Shredder Model	撕碎机型号	GE-A 1500	GE-A 2000	GE-A 2200	GE-A 2800
Power of main motor	主电机功率	110kw	75+75kw	90+90kw	110+110kw
Rotating diameter	旋转直径	480	550	650	650
Crushering width	破碎宽度	1500mm	2000mm	2240mm	2840mm
Rotate the cutter shaft speed	旋转刀轴转速	80	80	80	80
Number of fixed knives	固定刀数量	6把	8把	8把	10把
Hydraulic power	液压站功率	11kw	11kw	15kw	15kw
Push stroke	推料行程	1000mm	1000mm	1000mm	1000mm
Number of screens	筛网数量	3	4	4	5
External dimension	外型尺寸	2230×3660×2970	2230×3710×2970	2400×4500×3410	2400×5100×3410
Host weigh	主机重量	12500kg/h	15000kg/h	18000kg/h	22000kg/h

GE-D DOUBLE SHAFT SHREDDER
GE-D双轴撕碎机



GE-D series of the double shaft shredder can process a wide range of solid wastes . Compared to single shaft shredder , this series has a lower speed , higher torque , and higher efficiency . It ' s mainly used to process industrial waste . Maintenance is easy and convenient since the maintenance door provides full access to the crushing chamber and bearing housing With the shredder being screenless , it is often used for primary shredding and its output size depends on the blade thickness .

APPLICATIONS

★ RDF (Refuse Derived Fuel): MSW , industry waste , wood , paper , tires , plastics , etc .
★ Metal materials : Aluminum , ferrous , non-ferrous , steel drum , waste automative , etc.
★ Electronics : WEEE , electronic equipment , waste household appliance , etc .
★ Aluminum : Can , aluminum product , building material , sheet , etc .
★ Plastic : Plastic drum , plastic lump , films , etc .

GE-D双轴撕碎机可处理多样的废固物料。与单轴撕碎机相比，此系列转速更低，扭矩更大，效率更高。被广泛应用于工业垃圾，城市固态垃圾以及其它综合性废弃物的回收处理。其结构较为简洁紧凑，可对开式的机箱和轴承座便于维护和保养。
由于该设备不含筛网，常被用作一级破碎，破碎颗粒的大小取决于刀片的厚度。

应用范围

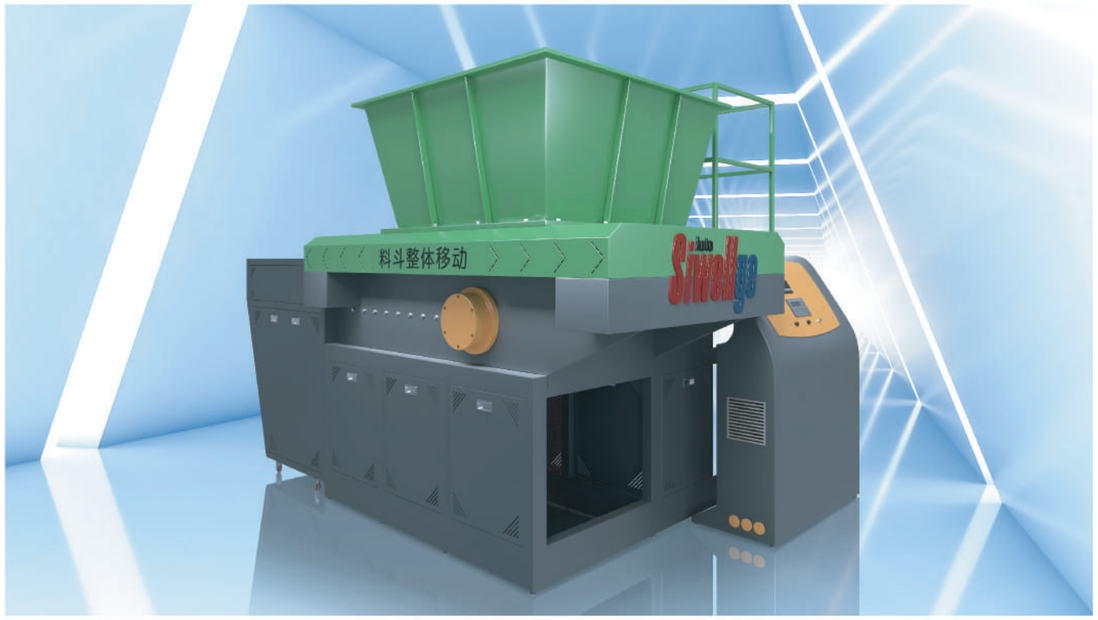
★ 垃圾衍生燃料：城市固态废物，工业垃圾，木材废料，工业废纸，轮胎，塑料，地毯等；材有色金属，
★ 金属材料：铝材，有色金属，无色金属，金属桶，废旧汽车等；
★ 电子电器：电子废料，电子设备，废旧家电等；
★ 塑料：化工桶，大块塑料，薄膜等。



MAIN TECHNICAL PARAMETERS

Shredder Model	撕碎机型号	GE-D 600	GE-D 800	GE-D 1200	GE-D 1500	GE-D 1800
Crushing dimension	破碎室尺寸	600×460mm	800×460mm	1200×720mm	1500×995mm	1800×1150mm
Roll diameter	刀辊直径	300mm	300mm	450mm	520mm	620mm
Blade thickness	刀片厚度	20mm	20mm	20/40mm	50/75/100mm	50/75/100mm
Number of strokes	动刀数量	30把	40把	60/30把	30/20/15把	36/24/18把
Motor power	主电机功率	5.5+5.5kw	7.5+7.5kw	22+22kw	45+45kw	90+90kw
External dimension	外型尺寸	2500×1180×1830	2740×1180×1830	3850×1970×2230	4890×2210×2600	6340×2610×4000
Host weigh	主机重量	2000kg/h	2250kg/h	5800kg/h	11500kg/h	20500kg/h

GE-M MOBILE HOPPER SHREDDER
GE-M移动料斗撕碎机



GE-M Mobile hopper shredder has high automation degree and high production efficiency, which enables users to recycle large diameter plastic waste products, pipes and head materials economically and effectively.
The single-axis shredder is mainly composed of motor, hard tooth surface reducer, rotary cutter shaft, imported moving knife, fixed knife, frame, frame, box, oil cylinder, oil pump and other main structures.
Frame with constant dao, rotating shaft equipped with removable inserts, the moving knife and the knife is a surface can use knife, remove the change point of view, after using a blunt after heat treatment the hardness of HRC60 ° above, so the service life is long, strong cutting ability, high capacity, effectively reduce the labor intensity, improve the working environment.

GE-M移动料斗撕碎机自动化程度高，生产效率高，能使用户经济有效的回收大口径塑料废品、管材及机头料。
单轴撕碎机由电机、硬齿面减速机、旋转刀轴、进口的动刀、定刀、机架、机座、箱体、油压缸、油泵等主要结构组成。
机架上装定刀、旋转刀轴上装有可卸式嵌入动刀，且动刀是一四角面可使用刀，用钝后拆下更换角度，经热处理后硬度达HRC60°以上，因此使用寿命久，切削能力强，产能高，有效的降低劳动强度，改善作业环境。

MAIN TECHNICAL PARAMETERS

Shredder Model	撕碎机型号	GE-M 600	GE-M 800	GE-M 1000	GE-M 1200
Diameter Rotary	旋转刀直径	300mm	400mm	460mm	460mm
Rotate the number of knives	旋转动刀刀数	33	56	64	72
Rotate the cutter shaft speed	旋转刀轴转速	82rpm	90rpm	87rpm	87rpm
Number of fixed knives	固定刀数量	1把	2把	2把	2把
Hydraulic power	液压站功率	2.2KW	3KW	5.5KW	5.5KW
Working pressure	使用压力	6-12Mpa	6-12Mpa	6-12Mpa	6-12Mpa
Crusher capacity	破碎能力	250-400kg/h	250-450kg/h	300-600kg/h	500-1000kg/h
Feeding caliber	喂料口径	600mm×950mm	800mm×950mm	1000mm×1000mm	1200mm×1100mm
Power of main motor	主电机功率	22KW	37KW	55KW	75KW
Host weigh	主机重量	2400kg	4000kg	5000kg	8000kg
External dimension	外型尺寸	2550×1500×1500	3100×1800×1900	3750×2200×2200	4250×2500×2400
Maximum yield	最大产量	300-500kg/h	500-1000kg/h	1000-1500kg/h	2000-3000kg/h



GE-P HORIZONTAL PIPE SHREDDER
GE-P卧式管材撕碎机



GE-P Horizontal pipe shredder Application Pipe single-axis shredder is a special shredder developed for difficult large-caliber plastic PE, PP, PVC, HDPE solid wall pipes, bundles of small pipes and profiles. This model has a unique design of horizontal feeding box, suitable for different lengths of pipe. The machine type can be determined according to the maximum length of the customer pipe. It can also be used together with plastic crusher and mill according to discharge requirements to form a complete set of plastic refining production line. High efficiency, simple and safe operation. Single-axis pipe mill is a special mill developed for large-caliber PE, PP, PVC, HDPE solid wall pipe, strapping small pipe and profile. This type of shredder has a uniquely designed horizontal feeding device that can be adapted to different lengths of pipe. The model of the machine can be determined according to the maximum length of the customer's pipe. It can be used with plastic crusher and crusher according to discharge requirements to form a complete plastic refining production line. It has high efficiency, simple operation and safety.

GE-P卧式管材撕碎机针对高难度大口径塑料PE、PP、PVC、HDPE实壁管材、成捆小型管材和型材 研发出来的专用撕碎机。此机型有独特设计的水平卧式输料中箱，适合不同长度管材。可根据客 户管材的最大长度来确定机器的型号。也可根据出料要求搭配塑料粉碎机、磨粉机一起使用，组 成一套完整的塑料细化生产线。效率高、操作简单安全。单轴管材粉碎机是为大口径PE、PP、PVC、HDPE实壁管材、捆扎小管材及型材开发的专用粉碎机。这种类型的碎纸机具有独特设计的卧式给料装置，可适合不同长度的管道。机器的型号可以根据客户管道的最大长度来确定。可根据出料要求与塑料破碎机、粉碎机配合使用，形成完整的塑料精炼生产线。其效率高、操作简单、安全。



MAIN TECHNICAL PARAMETERS

Model 型号	GE-P800	GE-P1000	GE-P1200	GE-P1400
Rotor shaft length 转轴长度（mm）	800	1000	1200	1400
Main shaft Diameter 主轴回转直径（mm）	850	1050	1250	1450
Main shaft speed 主轴转速（rpm）	40	36	26	18
Ray travel 推料箱行程（mm）	6500	6500	6500	6500
Rotor blades 动刀数量（pcs）	57	105	135	160
Fixed blades 定刀数量（pcs）	2	3	4	5
Power 电机功率（kw）	2×37	2×45	2×55	2×75
Hydraulic power 液压功率（kw）	11	15	18.5	22
Screen mesh diameter 筛网孔径（mm）	50	50	50	50
Cutting chamber dimension 粉碎室有效尺寸（mm）	850×700	1050×700	1250×700	1450×700
Dimension L×W×H 外形尺寸（mm）	11300×3700×3400	11500×3900×3600	12000×4100×3800	12200×4300×4000
Weight 整机重量（kg）	11000	14000	17000	21000