



Siedon Technologies Ltd



## Organic Waste Shredding Dewatering System

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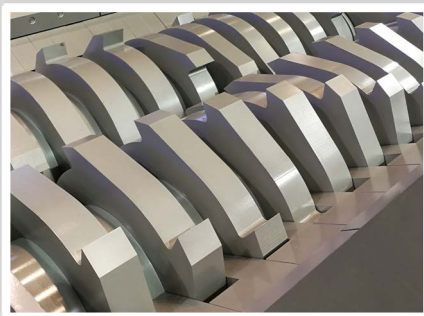
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## About us



German Technology Cooperation



Focus On Shredding Technology



Quick Service Response



Patented Technologies

SIEDON TECHNOLOGIES LTD. is a leading manufacturer of industrial shredder and recycling equipment in China. We have committed to the development of solid waste shredding and recycling technologies for 16 years. With over hundreds of successful cases, Harden' s products are well received for their stable performance, low maintenance cost, full system design and responsible after-sales service. Harden shredder and system have been widely used for many different applications in the waste management industry. Materials can be shredded include municipal solid waste, metal scraps, industrial waste, paper mill residue, hazardous waste, medical waste, animal waste, kitchen waste and organic waste.



### Environmental Problem Organic Waste

- Perishable and stink, high water content, low calorific value, difficult to dispose

### Siedon solution :

- One-stop system  
Lifter +Ferrous separator+ Shredder+ Conveyor+Dehydrator+Conveyor
- Effectively reduce the volume of organic waste. Shredded and squeezed waste can be used for the next step of composting.





Organic Waste



Shredding Effect



Organic Fertilizer



Before 10 Tons

Lower  
Transportation  
Cost



After 1 Tons



Recycling

Organic waste can be made into organic fertilizer  
Size reduction and dewatering can speed up composting

Save landfill space  
Improve urban environment

Reducing

Economical

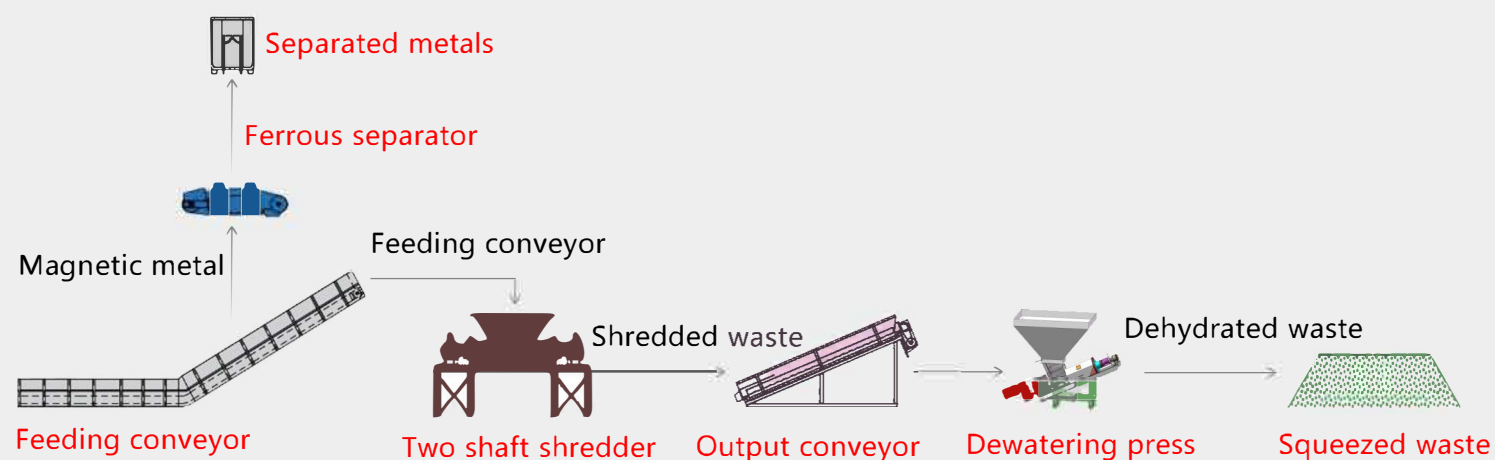
The output organic fertilizer can be sold  
Low treatment cost





## Shredding Disposal System Features Of The System

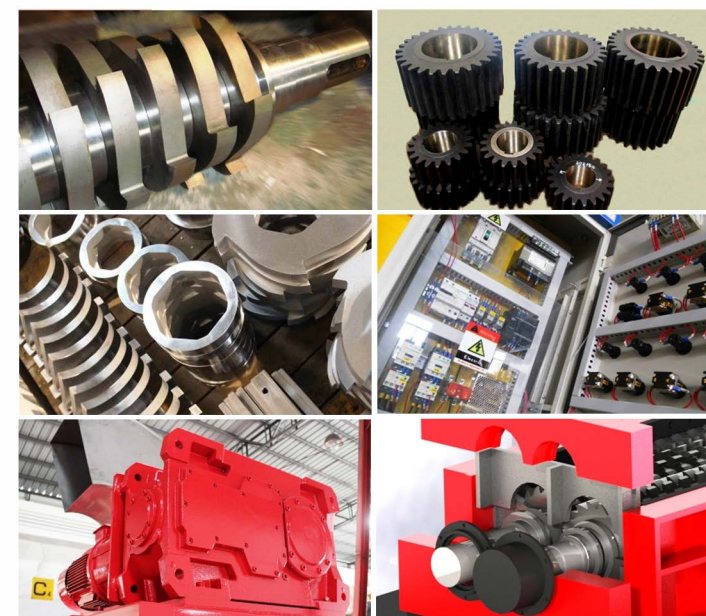
### Organic Waste Disposal Flow



### Shredding Disposal System Feature

- Conveyor transport for labor reducing
- Low noise, dust and knives wear
- Patented squeezing construction for a quite high dewatering rate
- Self-discharging ferrous separator
- Automatic central controller for safe and easy operation

Model	TS508	TS510	TS612
Power kw	22+2.2	30+2.2	45
Cutting chamber size mm	500*850	500*1050	600*1250
Drive mode	Single motor	Single motor	Single motor
Output t/h	4-5	8-10	10-15



### Features of Shredder

- Knives are made of imported high strength alloy that no worries of metals crushing
- Forced feeding system for bulky material input
- Double seals, dustproof maze and material baffle for complex operating conditions
- Siemens PLC automatic control to achieve overload protection
- Siemens motor and quality gearbox ensures high stability

### Features of Dewatering Press

- Intelligent pressure controller automatically adjusts and protects the system
- Wear-resistant surfacingprolongs service life of shafts
- Special designed screen improves dewatering efficiency and reduces mesh clogging
- Automatic lubrication for bearings
- Heavy-duty frequency converter for torque enhancement and soft-start



Model	DAP1200	DAP2000	DAP3000
Power kw	11	22+1.5	37+2
Screw diameter mm	310	400	600
Dimensions	3200*1120*1050 mm	4250*1200*1200 mm	4250*1200*1200 mm
Output t/h	2-3	5-6	8-10

Dewatering rate : 70~80% for organic waste