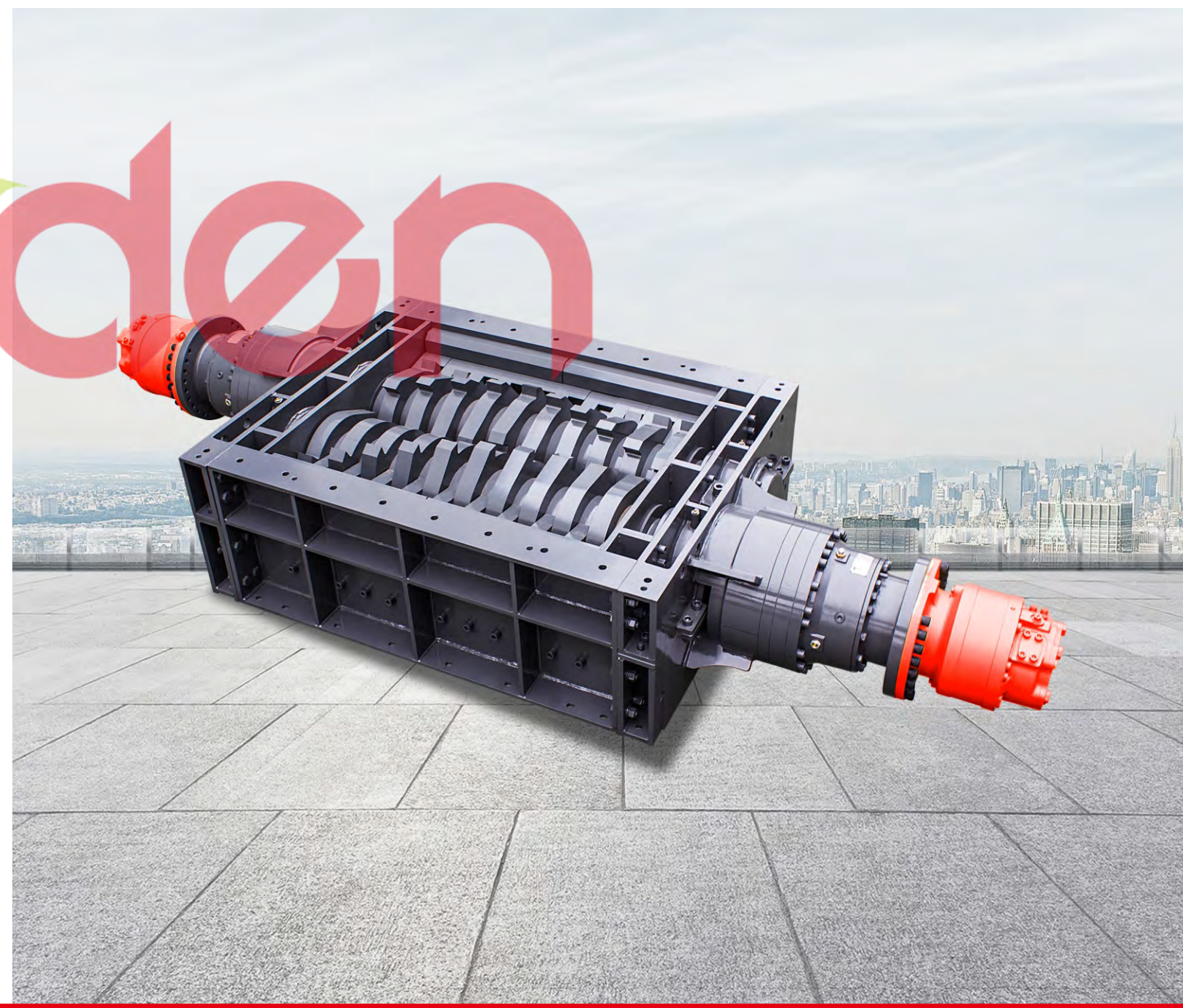




Double Shaft Shredder



JUST SHRED IT



Contact Harden for professional shredding and recycling solutions.

HARDEN MACHINERY LTD.

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JUST SHRED IT

About Us

Harden Machinery Ltd. is a leading manufacturer of industrial shredder and waste disposal equipment in China. With a growing market and hundreds of successful cases we had built, Harden had became the most trustworthy brand in China, also it's being more popular worldwide. Thanks to rich experience and our strong R&D team, Harden always keeps advance in technologies.

Harden supplies competitive shredding machines worldwide, including single shaft shredder, double shaft shredder, quad shaft shredder, primary shredder and mobile shredder. We also offer a wide range of one-step solutions such as MRF system for MSW, SMP system for hazardous waste, shredding disposal system for organic waste, paper mill waste and bulky waste, etc.

Core Advantages of Harden

Professional Technologies

Focus on shredding technologies from beginning to now

High Reliability

All parts in world brands / Advanced and mature designs

Trustworthy Brand

900+ successful projects / Wide recognition in market

Aims the best ROI for customers

Batch production saves cost / High Durability Proven



German technician guides the assembly process



N0.3 Assembly shop



German technical director supervises manufacture quality



Exchanging technical insights



A corner of workshop



A corner of warehouse

Harden has a large shredder production base, including 6 manufacturing workshops. The complete profile cutting, welding, large-scale processing, fine processing, assembly, quality inspection, testing, experiment and other work will be finished in the factory.

Harden introduces advanced quality management system, excellent design must be combined with an entire manufacturing system, quality control technology, to ensure the quality. Harden has passed a number of product certifications and established strict implementation standards for each process. The implementation of 5S visual lean management makes the factory clean and orderly. Using manufacturing level to speak for product quality.

Double Shaft Shredder-Single drive

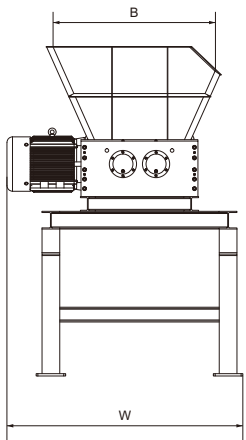
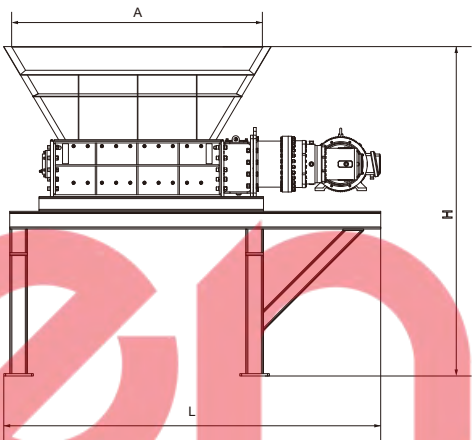
Harden TS series medium-duty double shaft shredder is equipped with single unit motor and reducer, two sets of cutter shafts are driven to run simultaneously through gearbox. TS series products are compact but with a powerful core, imported blades, alloy main shaft, several protections, integral speed reduction bearing pedestal, etc.

TS series are economical, batch production with well workmanship. Each process such as heat treatment, hardness testing and structural flaw detection, has strict requirements.

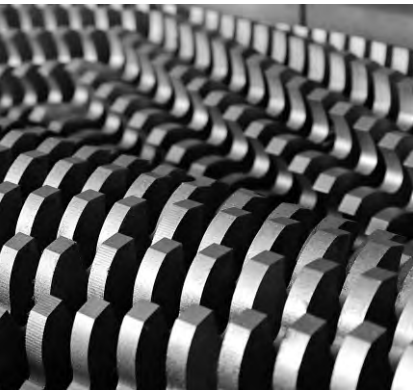


Technical Parameters

Model	TS303	TS506	TS508	TS612
Motor Power(KW)	7.5KW	15KW	22KW/30KW	45KW
Rotating Speed(RPM)	18	24	14-32	15
Cutting Chamber(AxB)(mm)	330x360	500x600	500x860	650x1200
Dimension(LxWxH)(mm)	1520x730x1350	2550x1300x2600 2550x1390x2900 (with pusher)	2650x1300x2630 2650x1900x2900 (with pusher)	3100x1900x2600 3200x2900x4000 (with pusher)
Blades Qty(pcs)	10/33	20/60	28/86	40
Capacity(t/h)	1-2	3-6	6-10	10-15



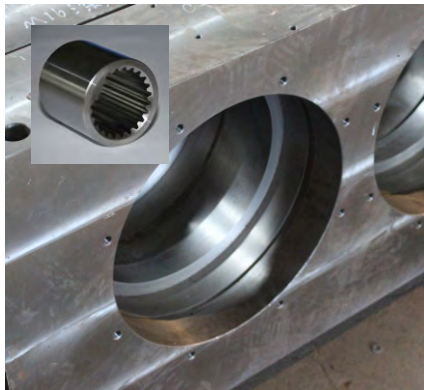
Features of Double Shaft Shredder



- Imported high strength alloy material**
- directly support from steel mill
 - stable quality
 - wear-resistant



- Patented cutting chamber design**
- stable running
 - Internal stress decomposition
 - strong loading capacity



- Patented spline bearing pedestal**
- quick replacement of shaft
 - uniform bearing stress
 - High bearing ability

Applications of Double Shaft Shredder



Organic waste



Paper、Cardboard



Construction plate



Plastics



WEEE



Livestock



Household appliances

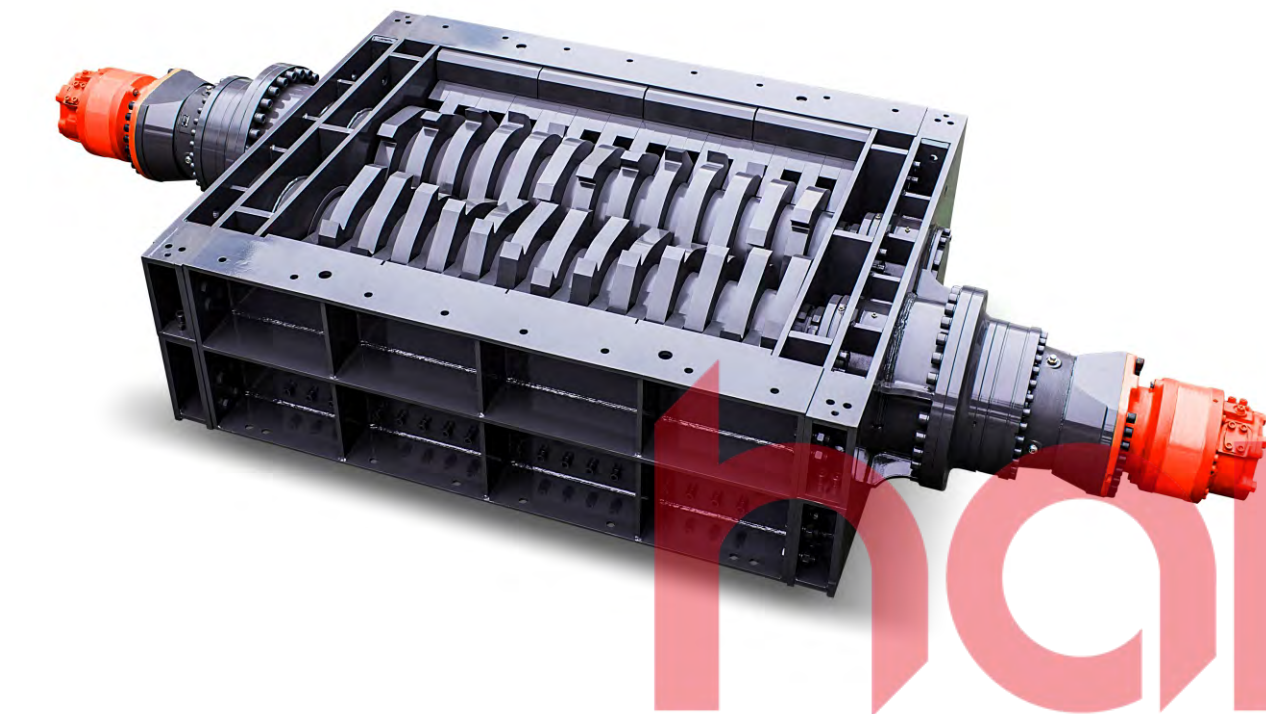


Confidential Destruction

Double Shaft Shredder-Dual drive

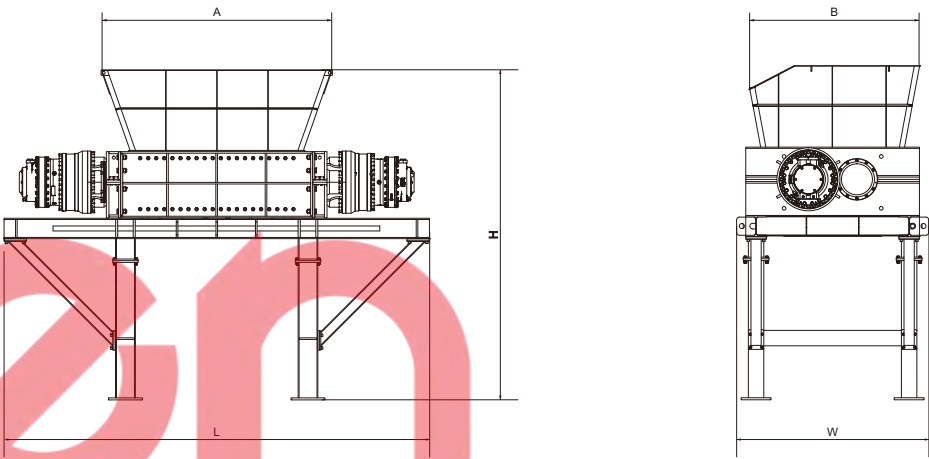
Harden TD/TDH series are heavy-duty double shaft shredder that are suitable to process all kinds of solid waste and gain recognition from customers by its powerful and stable performance. TD series represent electrical motor version and TDH series are driven by hydraulic power unit. The installed power of each model ranges from 60 to 400 KW.

Harden owns several advanced technologies of heavy-duty double shaft shredder, such as spline bearing pedestal, integral cutting chamber of internal stress decomposition, and so on. High quality does not come overnight. Only through decades of experience accumulated by the German director and the unremitting efforts of the R&D department can the reliability be the endorsement of the product.

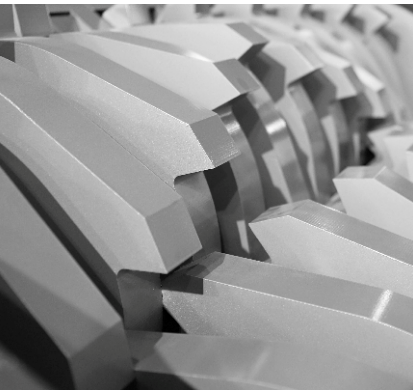


Technical Parameters

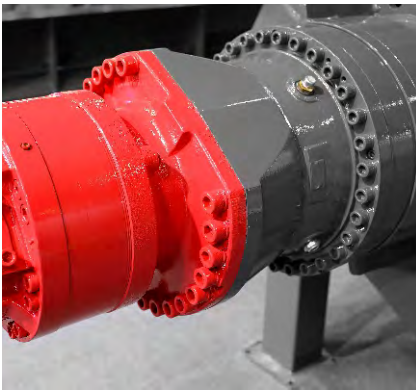
Model	TD612	TD912	TD1216
		TDH912	TDH1216
Motor Power(KW)	45KWx2	75KWx2	90KWx2/132KWx2
		75KW/132KW/160KW	200KW/160KWx2
Rotating Speed(RPM)	14-20	11-20	10-20
		6-16	7-21
Cutting Chamber(AxB)(mm)	650x1200	900x1200	1200x1600
Dimension(LxWxH)(mm)	4390x2180x600	5100x2800x3200	5900x3700x3500
		4200x1700x3200 (Hydraulic driven)	4600x2000x3200 (Hydraulic driven)
Blades Qty(pcs)	40/20	40/20	26
		20	
Capacity(t/h)	3-20	3-30	15-50
		2-9	8-30



Features of Double Shaft Shredder



- Imported high strength alloy material**
- directly support from steel mill
 - stable quality
 - wear-resistant



- Transmission protective structure**
- labyrinthian dust prevention
 - grease isolation protection
 - quadruple protection
 - long service life



- Professional hydraulic system**
- automatic control
 - pressure & speed regulation
 - international brand
 - strong power

Applications of Double Shaft Shredder



Hazardous waste



Medical waste



Clothes, Leather scraps



Bulky waste, Garden waste



Untreated MSW



Tires



Construction plate



Household appliances

Client Cases

