



## Primary Shredder

**harden**

JUST SHRED IT

**harden**



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

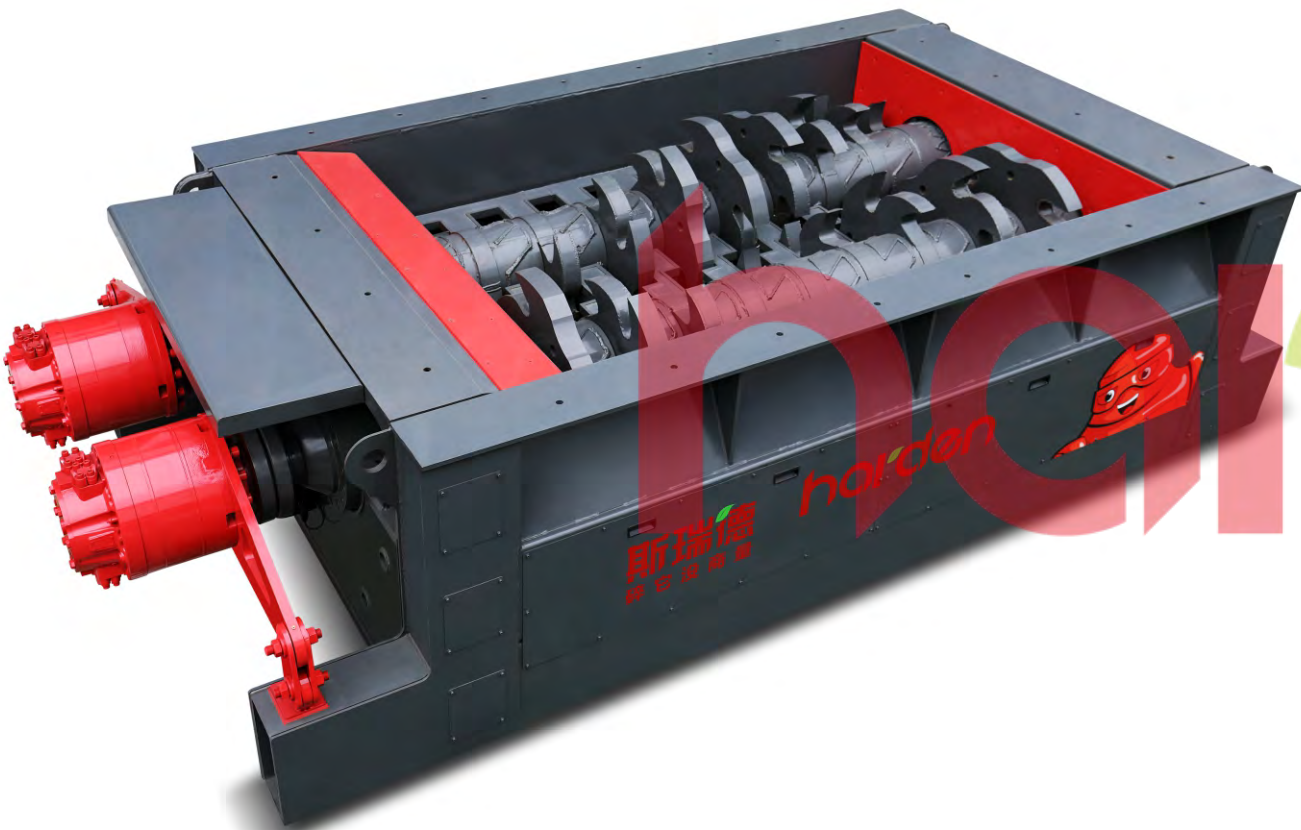
Batch production saves cost / High Durability Proven



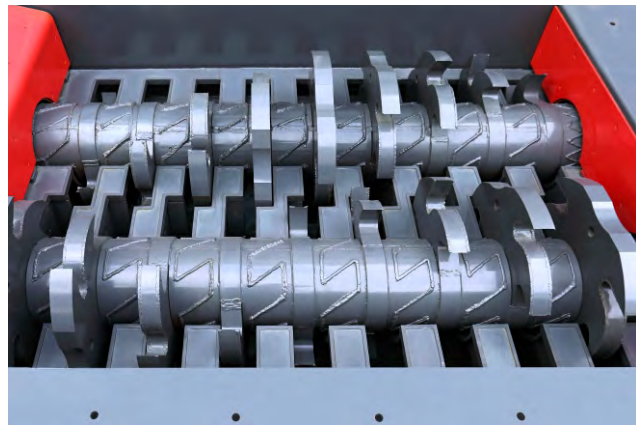
# Primary Shredder

Harden large-scale hydraulic driven primary shredder, with the characteristics of high strength and low maintenance cost, is used for volume reduction of bulky waste and pretreatment application of solid waste, which combines with multiple processing mechanism such as shearing, chopping, tearing and extrusion, can easily process the complicated mixed solid waste, e.g. the untreated MSW, Decoration waste and Industrial waste.

Harden primary shredder can discharge material flow with relative uniform particle size, which is convenient for sorting equipment to further separate or recycle the material, so as to obtain valuable recycling resources or high calorific value RDF. Besides, primary shredder can be used as “Bag opener” with the redesigned cutter.



# Features of Primary Shredder



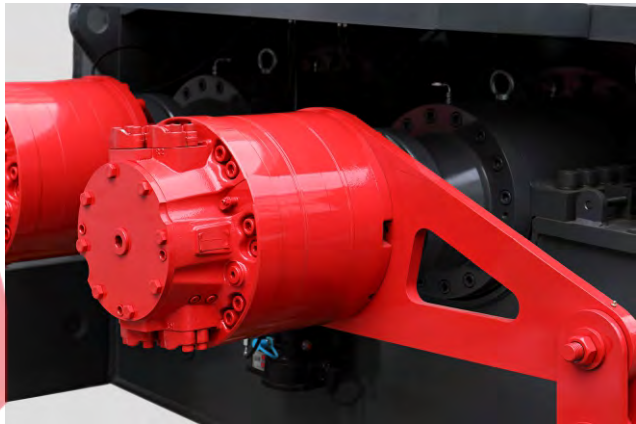
Stationary Blades Pedestal: Integral design, Stable and Reliable, welded bales edge



Welded Rotating Blades: withstand great impact, adopts patent technology of welding gap protection, which effectively protects the welding gap



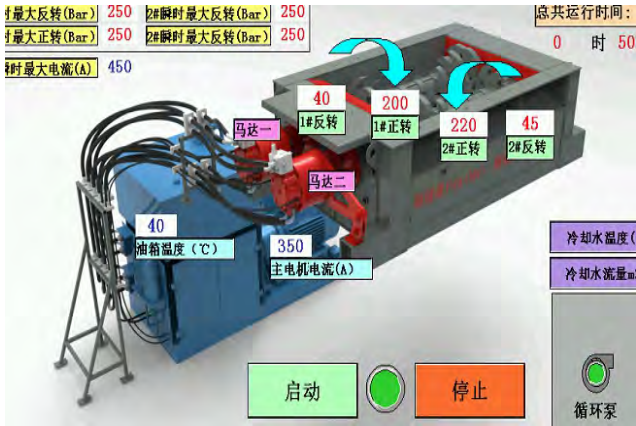
Articulated Torque Arm: Effectively resists the shaft torque, filters the impact, reduces the vibration



Sealing performance: Integral axle sleeve sealing structure + dustproof clearance, powerfully protects the bearing, keeps long-term stable operation.

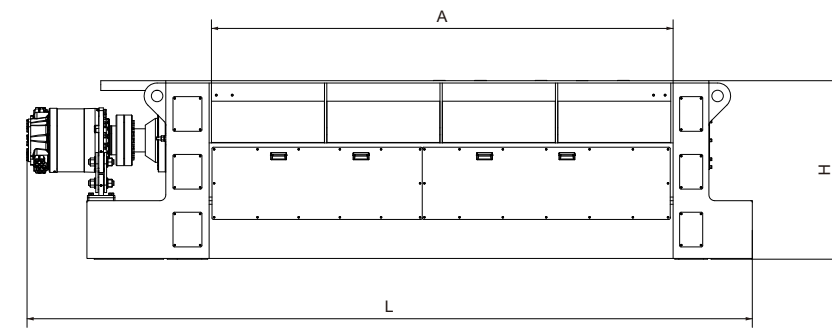


High-performance hydraulic system: cutter shaft is driven by hydraulic at variable speed & constant power, with a wide range of use

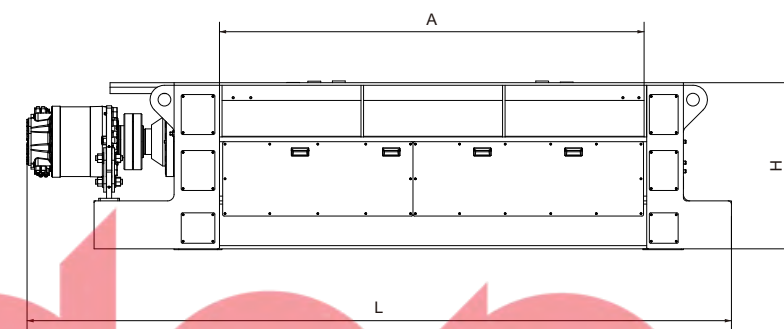
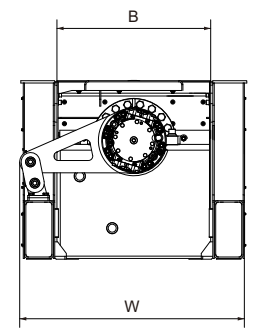


6 units running program: Flexible program for different material

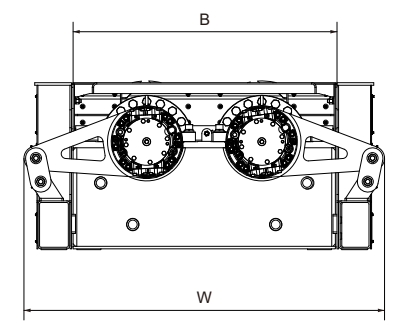




TPH1026 outline drawing



TPH1620/TPH1826 outline drawing



## Applications of Primary Shredder



MSW



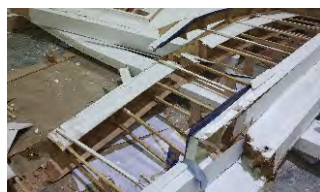
Commercial waste



Bulky waste



Biomass waste



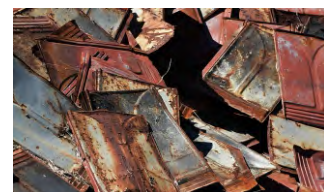
Decoration waste



Waste car



WEEE



Iron、Aluminum Scrap

## Technical Parameters

Model	TPH1026	TPH1620	TPH1826
Motor Power(KW)	132-200	132-250	250-400
Rotating Speed(RPM)	17-58	17-58	17-58
Cutting Chamber(AxB)(mm)	1000x2600	1600x2000	1800x2600
Overall Dimension(LxWxH)(mm)	5000x1550x1200	4400x2100x1060	5000x2350x1200
Blades Qty(pcs)	9-11	14-18	18-22
Capacity(t/h)	15-40	20-50	30-80