

# 6090 Automobile Shredder



The 6090 Shredder by **WENDT** offers an efficient design with a small footprint and low cost of ownership. With over 20 installations, the **WENDT** 6090 Shredder is the new global standard for smaller scale auto shredders.

- **Estimated Capacity:**  
2,900 - 8,600 input metric tons per month  
\*Based on 8 hours x 21 days
- **Standard Drive Packages:** 1,250 - 2,500 HP
- Typical Feedstock: **Whole Automobiles**, Light Iron, White Goods, Aluminum

- **Precision-engineered Bowe low maintenance DISC Rotor** for performance and increased durability
- **Optimized shredder geometry** for maximum throughput for the available HP
- Top and bottom discharge to maximize open area for **optimal shredding efficiency**
- Designed to operate at the **lowest cost per ton** in its class size
- **Advanced hydraulic system** with IoT Sensors for remote diagnostics, tracking and smart water injection
- **State-of-the-art control system** with **WENDT** AutoDriver for automatically controlling infeed conveyor and feed rolls and maintaining maximum performance
- **Designed for shipping** - Minimize total project cost with the ability to choose final assembly methods to minimize shipping and/or on-site assembly costs



## MATERIALS



Auto Shred



Auto Shred



Auto Shred



Low Copper Shred



Low Copper Shred



Low Copper Shred



Clip



Clip



Clip

**WENDT's** leading 6090 shredder design is now available in three different installation configurations: **Stationary, Modular, and Tracked.** Designed to provide our customers with the ultimate flexibility to fit any business model, the 6090 Shredder delivers the same level of quality and performance that **WENDT** is known for.



Specifications are subject to change at any time | 9/15/22



# 6090 Automobile Shredder Installation Configurations



**WENDT CORPORATION** is a world leading provider of completely integrated scrap processing systems. Beyond our extensive equipment portfolio, **WENDT**'s in-house team of engineers, project management, sales and service help us deliver unique value and a competitive advantage to our customers. The combination of our proven equipment, processes and innovative technologies are what make **WENDT** a world-class recycling equipment provider.

**WENDT offers a wide range of installation configurations that are tailored to meet the needs of our customers and their specific markets.**

## 6090 (Stationary)



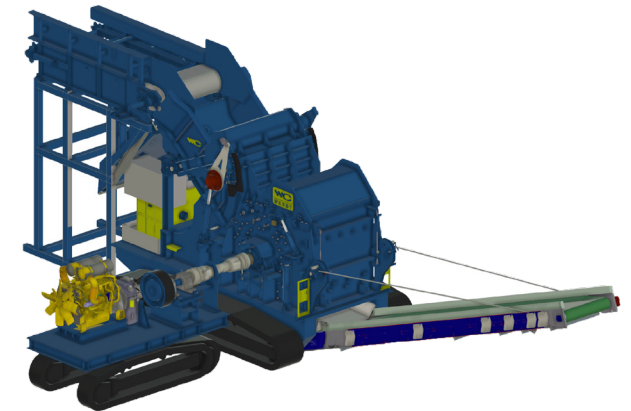
- Static Configuration
- Designed for 25-55 input mTPH  
\*based on selected drive
- Requires permanent building for installation & protection of critical equipment
- Requires above-grade concrete piers for support of shredder
- Lowest capital equipment cost with higher total installed cost
- Ideal for existing shredders looking to upgrade

## M6090 (Modular)



- Modular Configuration
- Designed for 25-55 input mTPH  
\*based on selected drive
- Includes pre-wired & plumbed components for faster installation
- Modular houses protect critical components, eliminating need for permanent buildings
- Structural steel supports replace the need for above-grade concrete piers
- Higher capital equipment cost with lower total installed cost (market dependent)

## T6090 (Tracked)



- Tracked Configuration
- Designed for 18-30 input mTPH  
\*based on selected drive
- Components delivered on mobile track units
- Diesel power options eliminate the need for on-site electricity
- Can be classified as "mobile equipment" for permitting
- Requires compacted gravel, eliminating the cost of concrete/foundation
- Lowest total installed cost

# 6090 Automobile Shredder Specifications

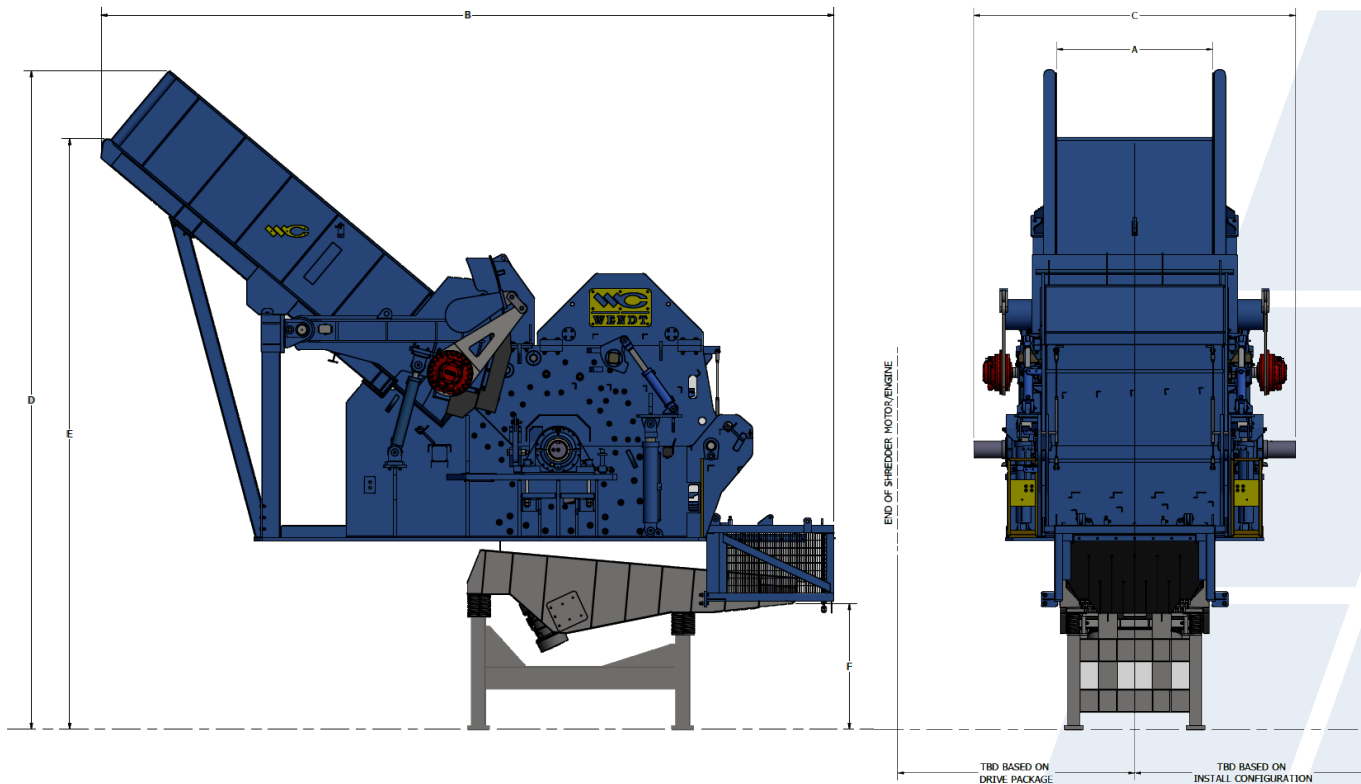


SPECIFICATIONS	
<b>Rotor Type:</b>	DISC
<b>Rotor RPM:</b>	675 RPM
<b>Hammer Swing:</b>	1,594 mm
<b>Hammer Weight:</b>	105 kg
<b>Bearings:</b>	260 mm
<b>Installed Fluid Power:</b>	175 HP
<b>Single Feed Roll:</b>	Dual CA-140

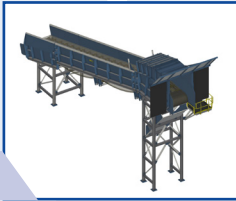
PRIMARY DRIVE OPTIONS				
	1,500 HP ELECTRIC	2,500 HP ELECTRIC	1,250 HP DIESEL	2,100 HP DIESEL
<b>Input mTPH</b>	27	54	18	30
<b>Input mTPM (160 HRS)</b>	4,300	8,600	2,800	4,800
<b>Output Scrap Density</b>	1.2-1.4 T/m <sup>3</sup>			

DIMENSIONS			
	Stationary	Modular	Tracked
<b>Working Width (A):</b>	2,082 mm		2,082 mm
<b>Overall Length (B):</b>	9,804 mm		7,112 mm
<b>Overall Width (C):</b>	4,318 mm		4,318 mm
<b>Overall Height (D):</b>	8,840 mm		6,198 mm
<b>Feed Height (E):</b>	7,824 mm		5,334 mm
<b>Discharge Height (F):</b>	1,727 mm		940 mm

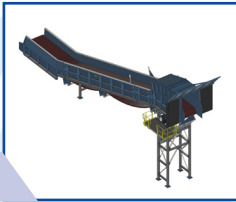
\*Dimensions do not include drive components or pin puller as these will vary based upon final selection.



## INFEED CONVEYOR OPTIONS

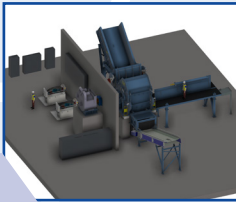


Inclined Load Only

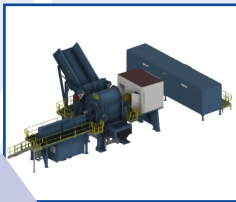


20' Horizontal Load

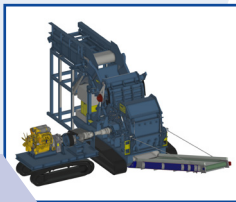
## INSTALLATION OPTIONS



Stationary



Modular



Tracked

# 6090 Automobile Shredder

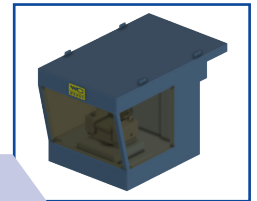
## STANDARD CONFIGURATION

- Feed Chute
- Feed Roll
- Shredder Box
- DISC Rotor
- Castings
- Pin Puller
- Springs
- Auto Driver Control System
- Hydraulic Power Units
- Undermill Oscillator
- Commissioning and Training

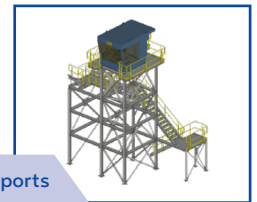
## MOTOR OPTIONS

<b>STATIONARY</b>	<ul style="list-style-type: none"> <li>• 1,250 HP Diesel Engine</li> <li>• 2,100 HP Diesel Engine</li> <li>• 2,500 HP DC Motor</li> </ul>
<b>MODULAR</b>	<ul style="list-style-type: none"> <li>• 1,500 HP AC Motor</li> <li>• 2,500 HP AC Motor</li> </ul>
<b>TRACKED</b>	<ul style="list-style-type: none"> <li>• 1,250 HP Diesel (Mobile)</li> <li>• 2,100 HP Diesel (Mobile)</li> <li>• 1,250 HP Diesel (Skidded)</li> <li>• 2,100 HP Diesel (Skidded)</li> </ul>

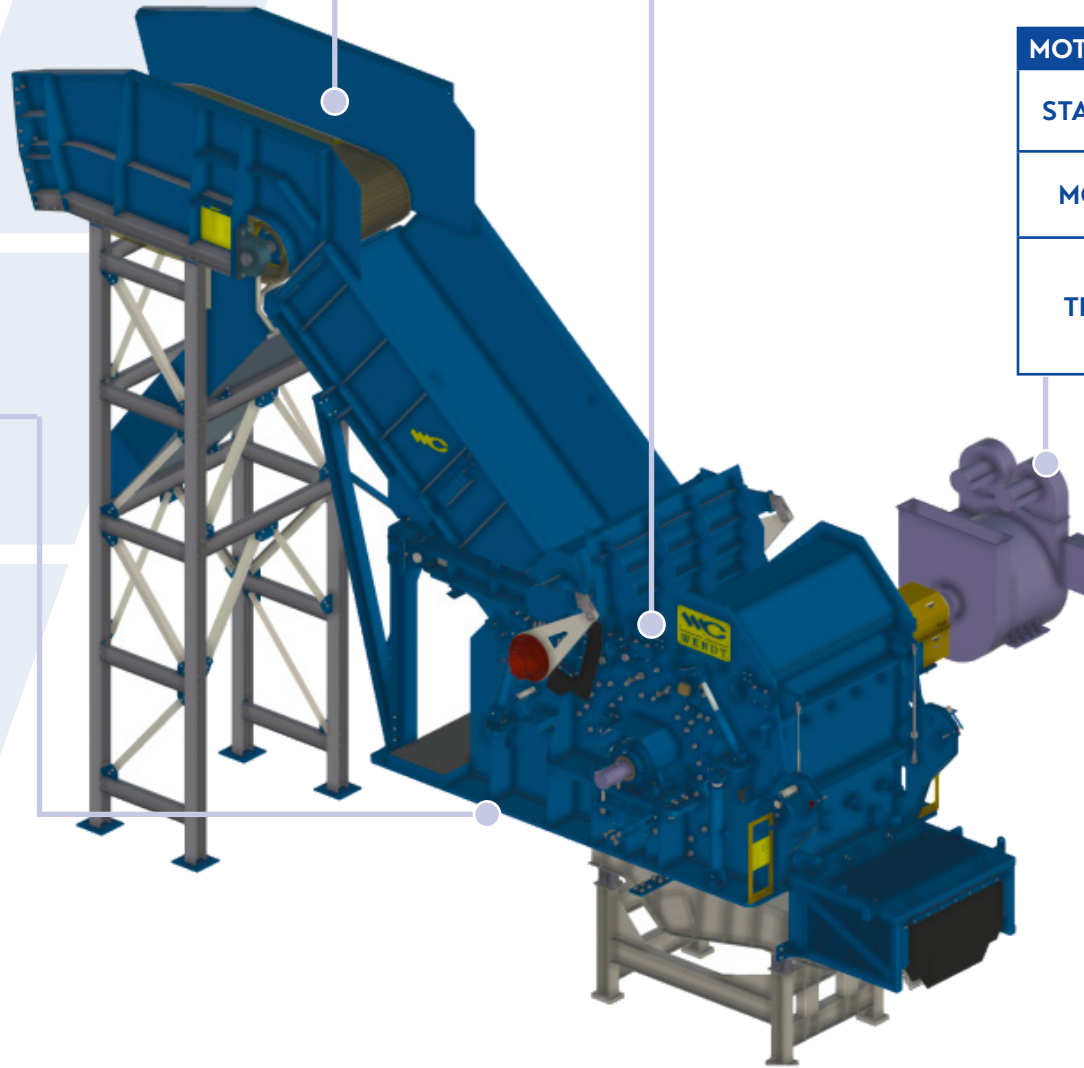
## MISC. OPTIONS



Control Cabin



Control Cabin Supports



716.391.1200 | [wendtcorp.com](http://wendtcorp.com) | [sales@wendtcorp.com](mailto:sales@wendtcorp.com)  
 No 5, KIADB, Kumbalgotu Ph 2, Bangalore 560074, Karnataka, India

**WENDT**  
**PROMAN**  
 Metal Recycling Pvt Ltd

Specifications are subject to change at any time | 9/15/22