











Model 5



Perfect Mobile Recycling Solution

Primary shredder Model 5 is designed for recycling of wood waste, wood pallets, asphalt, concrete. It is built on track suspension and includes hook lift which provides a better mobility.

Advantages

-  Cost saving and efficient diesel engines CAT C4.4 140 kW / 188 HP.
-  Track Suspension & Hook Lift
-  Quick shaft replacement system
-  Hydraulically & mechanically controlled side combs
-  Hydraulic discharge conveyor
-  Reverse shafts mode
-  3 Shredding modes : wood / universal / asynchronous
-  Dust suppression system
-  Main and tilting hopper volume ~ 2.25 m³
-  Industry 4.0 - Special module provides remote performance analysis, customer feedback and troubleshooting worldwide

Areas of Application

- Scrap
- Asphalt
- Biomass
- Concrete
- C&D Waste
- Wood Waste
- Plastic Waste



PERFORMANCE DATA*

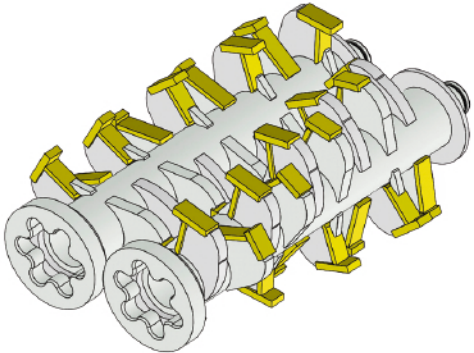
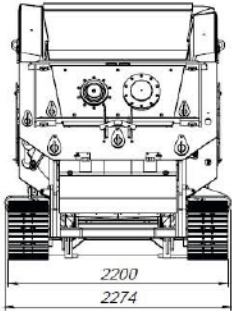
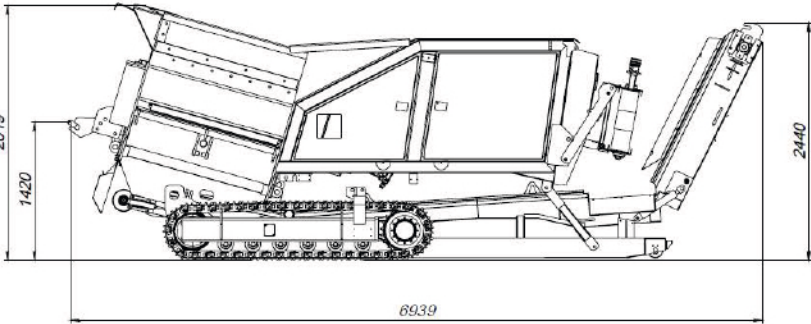
MATERIAL	OUTPUT
C&D Waste	80-100 t/h
Concrete	60-80 t/h
Asphalt	60-80 t/h
Wood Waste	10 t/h
Biomass	20 t/h
Plastic Waste	15 t/h



* The provided performance data is an approximation, no guarantee is given and depends on the corresponding features of the primary shredder, the shaft configuration and the optimal material in-feed.
x Primary shredder is not intended to operate with this material.

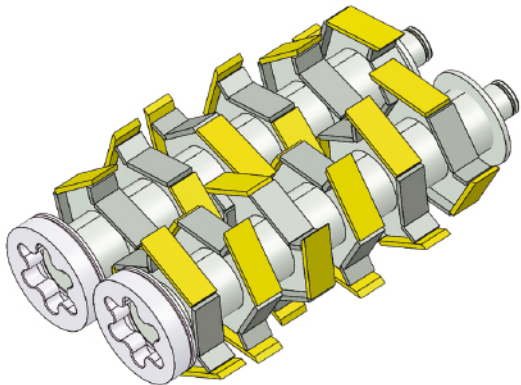
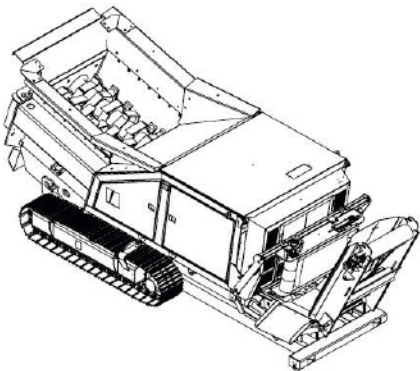
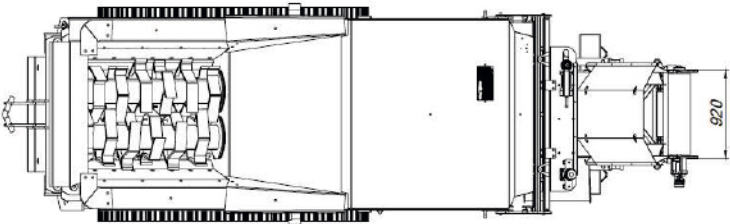
GENERAL DATA

OLNOVA M5



Shafts for Concrete/Asphalt / C&D Waste

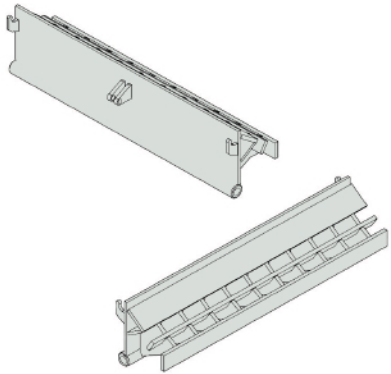
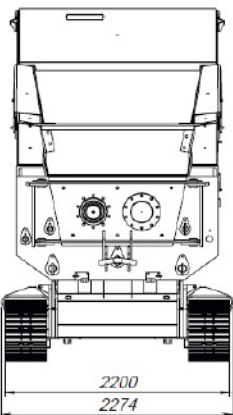
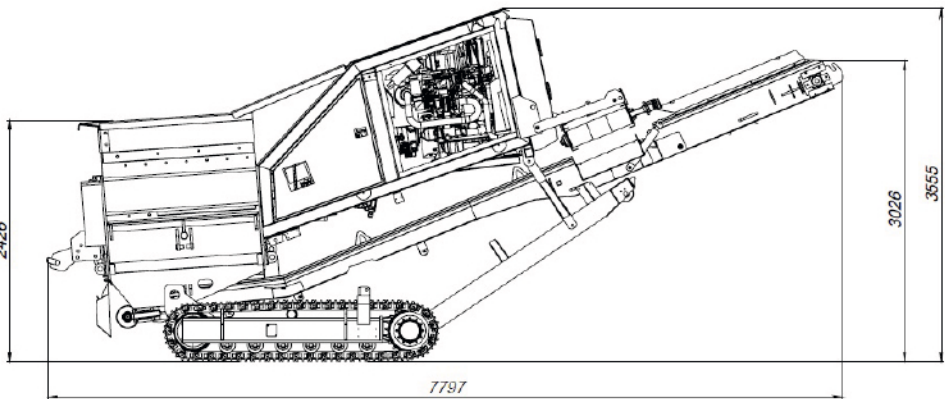
DIMENSIONS	
Transportation Width	2200 mm (7.21')
Transportation Height	2619 mm (8.59')
Transportation Length	6939 mm (22.76')
Operational Length	7797 mm (25.58')
Operational Height	3581 mm (11.74')
Discharge Material Height	3100 mm (10.17')
Main and Tilt Hopper Volume	2.25 m³ (79.4 ft³)
Total Weight (incl. magnet)	15 t. (33069 lb)



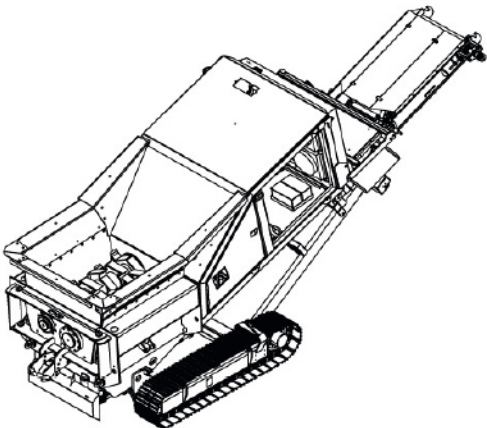
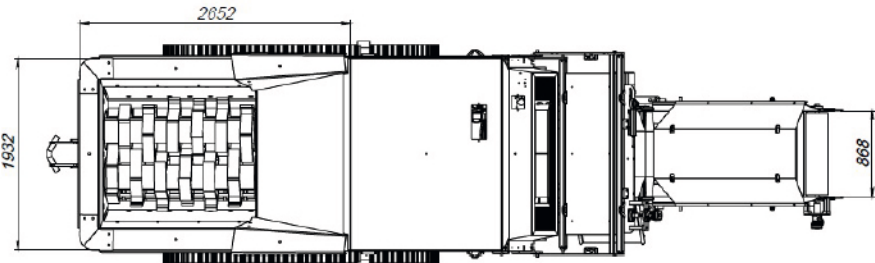
Shafts for Wood / Scrap / Biomass / Plastic Waste

ENGINE	
Engine Type	diesel engine
Engine Model	CAT C4.4
Power kW/HP	140/188 (EU/US)
Emission Standard	Stage V (EU/US)

SHAFTS	
Diameter	680 mm (26.77")
Length	1500 mm (4.92')
Shafts revs.	up to 35 rpm
Weight	2.7t. (5400 lb)



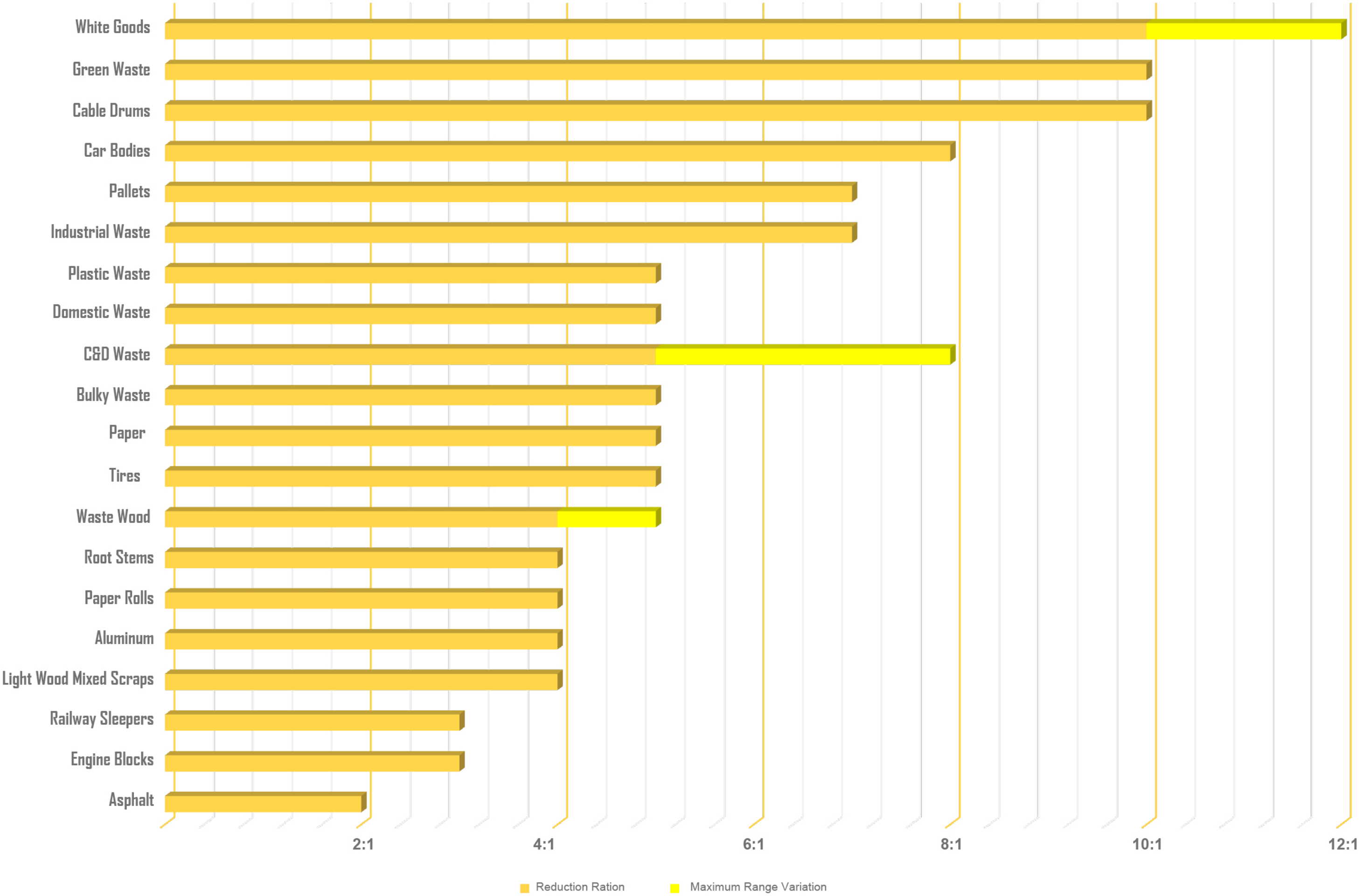
Adjustable Side Combs



Technical data is a subject to continuous change - dimensions may vary



OLNOVA Primary Shredders Reduction Ratio*



* The provided performance data is an approximation, no guarantee is given and depends on the corresponding features of the primary shredder, the shaft configuration and the optimal material in-feed.

STANDARD

OPTIONS MODEL 5

EXTRAS

Foldable Magnet

Depending on operational needs, adjustable conveyor magnet can be completely uninstalled, turned off or folded



Reversible Engine Fan

By reversing the airflow, the reversible fan can effectively dislodge debris and keep radiator clean, leading to increased efficiency, fuel savings, and reduced maintenance

Dust Suppression System

Dust suppression system can significantly reduce dust levels, potentially by up to 85%. By preventing dust buildup, this system can extend the longevity of machine, it also helps to create a cleaner and safer work environment by minimizing airborne particles. Water is supplied by external source, water stream is regulated externally too

Custom Paint Job

You can select any paint job to fit your equipment fleet color

Mechanically Adjustable Side Combs

Side combs enable an end product size calibration. They are adjusted by using rods mounted in an upper part of each side comb, adjustment is done by hand

Hydraulically Adjustable Side Combs

Side combs are adjusted by hydraulic system, it is operated from remote controls, monitor or levers

Hook Lift

All Model 5's come with adjustable hook lift suitable to any type of truck worldwide

Tilting Hopper

Extending shredding chamber volume by adding tilting hopper allows to more efficiently process wood, bulky waste etc. The hopper is operated from remote controls, monitor or levers

STANDARD

Noise Insulation



Similar to larger industrial shredders that we offer, Model 5 features noise insulation trim on each door

OPTIONS MODEL 5

Telematics & Modular Control Box



Industry 4.0 - Special module provides remote performance analysis, customer feedback and troubleshooting worldwide. Plug-and-play modular control box is replaceable in a matter of minutes

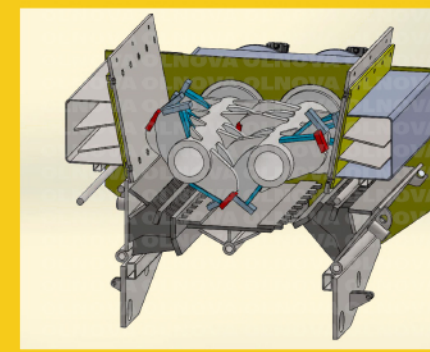
EXTRAS

Fire Suppression System



Installed by certified specialists, the fire suppression system covers entire engine compartment with other inner components. It is triggered with the press of a button

Custom Breaker Bar & Side Combs



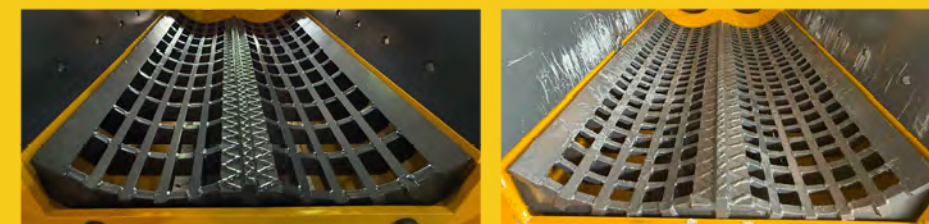
Breaker bar with blocks and side combs with double number of smaller chutes could reduce crushed concrete size to under 60 mm (2.36"), even smaller product size is achievable at the expense of throughput

Quick Shaft Swap Cassette



All Model 5's feature a cassette that enables fast usually under 2 hours shaft swap

Custom Screens



Custom screens provide flexibility for particular materials processing such as scraps, wood, concrete etc. Screen architecture can be specifically built to fulfill your goals. Screens are built to specification based on task

Standard Shafts



Regular Model 5 comes with one of two shaft types. It's either "concrete" or "universal" shafts. Shafts are made out of denser steel which makes total weight of one set to 2.7 t. (5400 lb)

"Concrete" Shafts

"Universal" Shafts

Custom Shafts



We design custom shafts for any task by taking into account material properties, required end product size, throughput

STANDARD

Rubber Coated Conveyor Drive Roller

Rubber coated conveyor drive roller offers several advantages, including excellent abrasion resistance, shock absorption, traction and smooth start-up. It is also cost-effective and contributes to the overall longevity and efficiency of conveyor system and conveyor belt

OPTIONS MODEL 5

Remote & Wired Controls

Remote controller with double function buttons comes with every Model 5, buttons represent all main functions. Custom built Model 5's might have more function and more buttons on remote controllers

Wired controller features main tracking and shut down functions. It is a secondary option after the remote controller

EXTRAS

Conveyor Screeners

Screener separates crushed concrete or other materials by size, it can be built to specification in order to separate materials by various sizes for any task. Discharge angle of screen is also modifiable

Spare Shafts Sets

Additional shaft sets can be ordered along with the machine to handle any common materials. Any shaft sets apart from those installed in shredder are considered as spare sets and they are ordered as an extra option

Miscellaneous

T-bar is a tool used during shaft swap or removal by putting it between shafts in order to avoid shaft displacement

Interior lights help to inspect parts during a maintenance

Extended Factory Warranty

We offer an extended warranty for all primary shredders. Warranty duration and conditions are determined by use case and shredder's type. For instance, 18 months or 1500 hours for Model 5, whichever comes first

Hoppers

Model 5 shredder can be ordered in 2 variations of hopper, tilted fixed hopper or straight hopper

Advanced Remote Controllers

Advanced remote controllers are recommended if you order hydraulic side combs and hydraulic tilting hopper. These remote controllers feature a broader specter of functions and a monitor that shows main operational data