Doppstadt

EXTREMELY ROBUST & UNIVERSAL

CORESHRED

CORE SHREDDER LINE

TOP PRICE-PERFORMANCE RATIO ALL INCLUDED AS STANDARD:

- Track-laying chassis
- Quick-change system of the twin-shaft shredding system
- Shredding shafts of solid material for maximum durability (CoreShred 250 and 800)
- Overbelt magnet
- Wireless remote control system
- Reversible fan
- Water sprinkler

BEST SOLUTION. SMART RECYCLING.

EXTREMELY ROBUST & UNIVERSAL

THE DOPPSTADT CORE SHREDDER LINE WITH TOP PRICE-PERFORMANCE RATIO.

Doppstadt twin-shaft shredders are designed for a wide variety of applications and cover a wide range of areas and materials.

With the innovative quick-change system, the shredding unit can be easily adapted to your requirements. Depending on what you need to shred, our suitable shaft types, such as concrete shafts, paddle shafts, star shafts or metal shafts, offer you the ideal solution depending on the machine model:

- Construction & Demolition waste
- Commercial waste
- Rubber & Scrap tyres
- Natural & Waste wood
- Wooden rail sleepers
- Trunk wood
- Green waste
- Paper & Cardboard
- CFRP & GRP waste
- Automotive & Aluminium scrap

Doppstadt's Core Shredder Line has the right machine for every performance requirement. The compact CoreShred 250 is the right choice for smaller processing volumes, the CoreShred 800 for the medium class and the CoreShred 900 for the high-performance class.

But all three models have one thing in common: the extensive standard equipment that leaves almost nothing to be desired. This makes the robust and versatile twin-shaft shredders a highly competitive product series with a top price-performance ratio.

EVERYTHING IS ALREADY INCLUDED.

To ensure that nothing is left to be desired, we have calculated carefully for you and equipped our Core Shredder Line so that almost everything is included as standard.

With all CoreShred models, you can start immediately from day one and still remain flexible if the material requirements change.

- Quick-change system of the twin-shaft shredding system
- Shredder shafts of solid material for maximum durability (CoreShred 250 and 800)
- Track-laying chassis
- Overbelt magnet
- Wireless remote control system
- Reversible fan
- Water sprinkler

DRIVE - ALWAYS ENOUGH POWER
This is because the powerful VOLVO PENTA motors perform reliably with low consumption and maximum efficiency in all CoreShredder models and are also available in emission levels V, Tier IVf and EIIIA.

AS STANDARD:
SIMPLE OPERATION
With optimally preset rotation of the shredding shafts and via wireless remote control system, the shredders are very easy to control and manoeuvre in the field.

AS STANDARD IN CORESHRED 800:
EXTENDED LOADING AREA
The folding hopper, which can be adjusted up to 180°, picks up large quantities of material and gradually optimises the material feed at the touch of a button.

AS STANDARD: OVERBELT MAGNET
To reliably remove ferrous metals and maximize yield, all CoreShredder models are equipped with a height-adjustable permanent overbelt magnet.

AS STANDARD: TRACK-LAYING CHASSIS
For optimum manoeuvrability on any terrain and easy loading by low-loader truck, with the CoreShred 250 via hook lift. All chassis are also optionally available on steel tracks with rubber pads.

AS STANDARD:
REVERSIBLE FAN
Hydraulically adjustable and self-cleaning, the fan ensures efficient motor cooling and internal circulation.

AS STANDARD:
MOISTURISING UNIT
Water spraying effectively reduces the amount of dust generated when the shredded material is discharged.

SHREDDING UNIT
This unit consists of a large-volume feed hopper, the twin-shaft shredding system with shafts made of solid material (CoreShred 250 and 800) for optimum durability and mechanically or hydraulically adjustable counter combs for setting the final grain sizes.

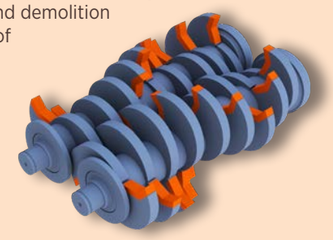
AS STANDARD:
QUICK CHANGE SYSTEM
With the quick-change system, the machine can be adapted to a different material requirement in the shortest possible time. Depending on the CoreShredder model, corresponding interchangeable cassettes with concrete/paddle/metal or star shaft pairs are available for this purpose and offer high machine availability in daily use.

IN NO TIME AT ALL YOU CAN CHANGE OVER.

The more precisely the tool matches the material, the better the work result. We have developed a cassette-type quick-change system for the shredding shaft pairs so that the changeover can be carried out as quickly and efficiently as possible.
The shafts in the CoreShred 250 and 800 are made of solid material and are manufactured from highly wear-resistant steel with a special surface hardening process. The shaft discs and shredding tools are welded onto this base body. The shape and arrangement of the discs and the shaft blades play a key role in determining which material can be shredded.

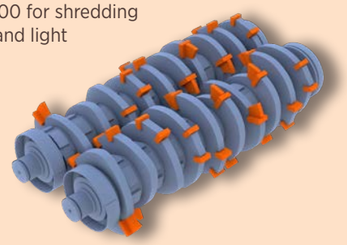
CONCRETE SHAFTS

With this pair of shafts, the CoreShred 250 is ideally equipped to reliably crush construction and demolition waste instead of cutting it.



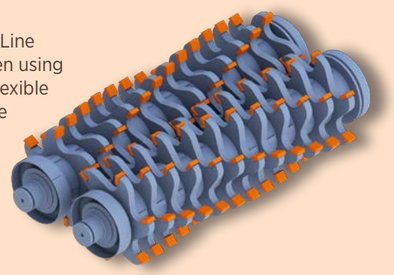
METAL SHAFTS

These particularly robust shredding shafts are primarily used in the CoreShred 900 for shredding automotive and light scrap.



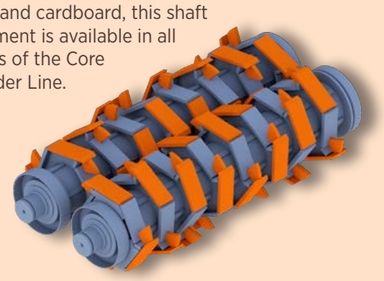
STAR SHAFTS

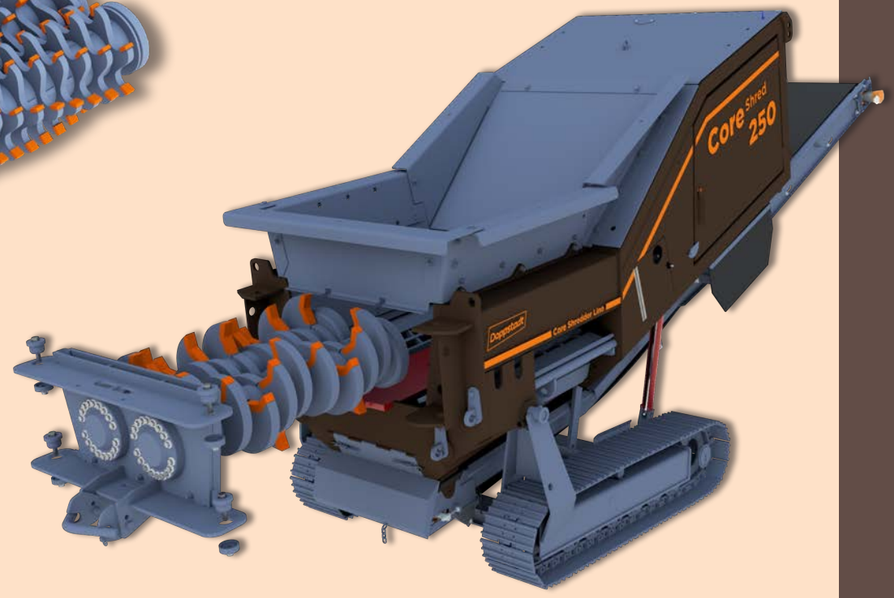
All models in the Core Shredder Line deliver reliable performance when using these universal shafts, offering flexible application options and therefore maximum versatility.



PADDLE SHAFTS

The best choice for applications involving commercial waste, rubber and scrap tyres, natural and waste wood as well as paper and cardboard, this shaft equipment is available in all models of the Core Shredder Line.



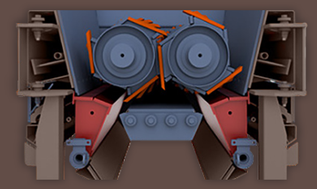


ALWAYS EXACTLY THE RIGHT SOLUTION.

To adjust the final grain sizes, the counter combs in the shredding unit can be opened or closed mechanically or hydraulically, depending on the model.

This allows the operator to adjust both the throughput of the shredder and the quality of the material treatment to customer requirements.

MECHANICALLY ADJUSTABLE COUNTER COMBS
CoreShred 250 and CoreShred 800



HYDRAULIC ADJUSTABLE COUNTER COMBS
CoreShred 900

WE BRING IT TO THE POINT.

We are convinced that these arguments and solutions from Doppstadt will support you in your recycling and processing challenges.

- Competitively superior range of applications
- Extensive standard equipment
- Innovative quick-change shaft system
- International sales and service network
- Best price-performance ratio in the branch

FOR THE MOST DEMANDING REQUIREMENTS.

When choosing the right machine for your requirements, our innovative twin-shaft shredders are available in three performance classes. This means you always get exactly the right machine at the best price-performance ratio for the quantities of material you need to process.

CORE SHREDDER LINE

1 ***CoreShred 250***
Extremely robust and universal:
The mobile compact class.

2 ***CoreShred 800***
The mobile twin-shaft shredder in the medium performance class.

3 ***CoreShred 900***
The shredder for the really big and most demanding tasks.

PERFORMANCE VARIABLES.

1 Smaller material flows of up to 30,000 t/year

2 Average material flows of up to 60,000 t/year

3 Large material flows of up to 80,000 t/year

Orientation values for use in commercial waste in single-shift operation.

	CoreShred 250	***CoreShred 800***	***CoreShred 900***
Chassis	Track-laying chassis for automatic movement + lowerable chassis with hook lift for easy transport	Track-laying chassis for automatic movement + lowerable chassis for easy transport	Track-laying chassis for automatic movement + lowerable chassis for easy transport
Overall weight	15,000 kg	21,000 kg	35,000 kg
WORKING POSITION			
Length	7,775 mm	9,946 mm	10,971 mm
Width	2,306 mm	2,450 mm	2,842 mm
Height	3,722 mm	3,951 mm	4,225 mm
TRANSPORT DIMENSIONS			
Length	7,191 mm	8,098 mm	11,022 mm
Width	2,306 mm	2,450 mm	2,842 mm
Height	2,582 mm	3,040 mm	3,691 mm
DRIVE			
Engine type	Diesel-hydraulic	Diesel-hydraulic	Diesel-hydraulic
Tank capacity	330 l	400 l	800 l
Nominal output	160 kW (220 PS) at 2,310 rpm	235 kW (320 PS) at 2,200 rpm	405 kW (550 PS) at 1,700 rpm
Emission standard	Stage V / EPA Tier 4f / EIIIA	Stage V / EPA Tier 4f / EIIIA	Stage V / EPA Tier 4f / EIIIA
Cubic capacity	5,130 cm^3	7,700 cm^3	12,780 cm^3 / 16,120 cm^3
Make	Volvo Penta TAD 582 VE / TAD 551 VE	Volvo Penta TAD 883 VE / TAD 853 VE	Volvo Penta TAD 1385 VE / TAD 1650 VE
LOADING			
Hopper volume	2.25 m^3	4.50 m^3 (incl. folding hopper)	5.00 m^3
Loading height	2,346 mm	2,713 mm (incl. folding hopper)	3,005 mm
Loading width	2,500 mm	3,600 mm (incl. folding hopper)	3,952 mm
TWIN SHAFTS			
Shaft length	1,500 mm	2,000 mm	2,500 mm
Diameter	680 mm	680 mm	860 mm
Speed	11 - 35 rpm	11 - 42 rpm	15 - 45 rpm
Cassette weight	3,100 kg	3,500 kg	7,650 kg
CONVEYOR BELT			
Width rear belt	800 mm	1,000 mm	1,200 mm
Conveying speed rear belt	3.0 m/s	3.0 m/s	3.5 m/s
Discharge height rear belt	3,106 mm	3,164 mm	3,493 mm
OTHER			
Standard equipment	Track-laying chassis Quick-change system of the shredding rollers Shredder shafts made of solid material Overbelt magnet Wirelesse remote control system Reversible fan Water sprinkler	Track-laying chassis Quick-change system of the shredding rollers Shredder shafts made of solid material Overbelt magnet Wirelesse remote control system Reversible fan Water sprinkler Folding hopper	Track-laying chassis Quick-change system of the shredding rollers Shredder shafts with extra thick tube wall thickness Overbelt magnet Wirelesse remote control system Reversible fan Water sprinkler
Optional equipment	Additional shaft changing systems depending on the basic equipment: Concrete shaft Paddle shaft Star shaft	Additional shaft changing systems depending on the basic equipment: Paddle shaft Star shaft	Additional shaft changing systems depending on the basic equipment: Metal shaft Paddle shaft Star shaft

BEST SOLUTION. SMART RECYCLING.

Our innovative solutions have made us a leading supplier and manufacturer of processing technology. Customers in the waste disposal and recycling industry all over the world trust our expertise and benefit from our qualified service every day.

We are always there – whenever you need us. We can train your team at the Doppstadt Academy (online and offline) so that you can fully exploit the performance potential of the machines and make your operations even more productive. Added to this are worldwide security of supply, fast on-site repair service and all-round carefree packages within service and maintenance contracts.

Because “a machine is only as good as the service behind it.” (Werner Doppstadt)

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