

# DGX HEAVY DUTY SINGLE SHAFT SHREDDER

DGA/DGS/DGX/DGR/DGD/DGC/DGE/DGH/DGP/DPM



## KEY FEATURES >

- Large diameter flat rotor
- Machined pocket knife holders
- Optional hard facing
- Concave ground square knives
- Robust ram construction
- Heavy duty guide bearings
- Universal couplings
- Low speed, high torque geared drive
- Powerful hydraulic swing type ram
- Reduced footprint (compared to horizontal pusher designs)
- Bolt in drive shafts
- Multiple rotor designs
- Two speed hydraulic system
- Oil cooling on ram and gearbox
- Ram comb plate
- Amp meter control

## OPTIONS >

- Hydraulic screen cradle
- Gearbox with shrink disc
- Rotor cooling
- Pipe spacer
- Touch screen PLC
- Hopper mounted viewing mirror
- Increased motor drive
- Hydraulic drive
- Bespoke colour scheme
- Turbo hydraulics
- Housing wear plates Sound absorbing hopper

## GENERAL DESCRIPTION >

The DGX Heavy Duty Single Shaft Shredder has a 750mm diameter profiled rotor made of solid steel, operating at a speed of 45rpm. The concave ground, aggressive 4-way rotating knives are mounted in the grooves of the profiled rotor with special knife holders. This enables a reduction of the cutting gap between the counter knives and the rotor which guarantees a high flow rate, low power consumption and maximum output of shredded material.

The hydraulically operated ram feeds

the material automatically in the rotor's cutting chamber by load-related controls. The hydraulic system is equipped with high-pressure valves and volumetric flow controls which can be set according to the requirements of the input material.

Extremely robust pedestal bearing housings are mounted outside the machine and separate to the cutting chamber to prevent dust and dirt penetrating into the oversized bearings. This ensures a long service life and minimum service and maintenance. Power is transmitted from

the motor by a drive belt via an oversized gearbox which is located on the shaft end on one end of the rotor.

A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

## APPLICATIONS >

DGX Single Shaft Shredders have been designed with a wide range of applications and industries in mind such as:  
PLASTICS / RUBBER / WOOD / BIOMASS / PAPER / ALTERNATIVE FUELS (RDF/SRF) / DOMESTIC/COMMERCIAL WASTE



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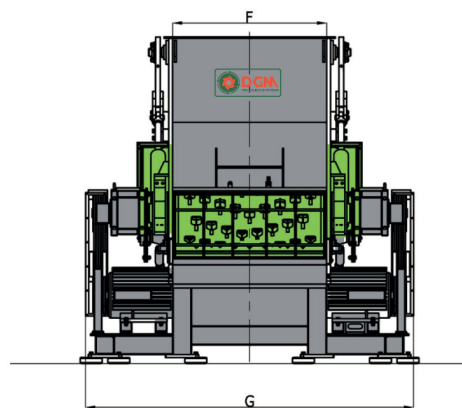
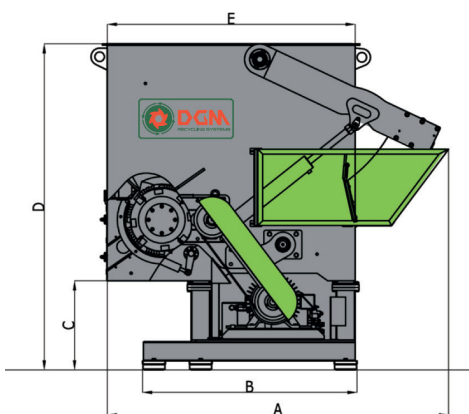
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## SPECIFICATION >

ITEM	UNIT	1500	2000	3000	
Cutting chamber	mm	2540 x 1620	2540 x 2020	2540 x 2820	
Rotor diameter	mm	750	750	750	
Rotor speed	rpm	52	52	52	
Main motor power	kw	2 x 75	2x75/2x90	2x132	
Rotor Knives	pcs	76	96	136	
Stator Knives	rows	4	5	7	
Hydraulic Ram Power	kW	11	11	11	
Screen Size	mm	40-100	40-100	40-100	
Effective Working Area	mm	1500x1490	1500x1900	1500x2700	
Dimensions	A	mm	3600	3600	3600
	B	mm	2260	2260	2260
	C	mm	870	870	870
	D	mm	3350	3350	3350
	E	mm	2540	2540	2540
	F	mm	1620	2020	2820
	G	mm	3500	4000	5000



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