



shredding technology

The reliable brand!

**L R K**  
SERIES



**LRK1000, LRK1400**

## COMPACT AND RELIABLE

The reliable and rugged LRK1000 and LRK1400 shredders are popular with companies in the plastics processing industry for volume reduction and in-house recycling.

Like all UNTHA shredders, these machines can stand alone or be integrated into comprehensive systems. High throughput, outstanding availability and consistent particle size ensure an efficient and profitable operation.

For more information please refer to the "Individual Shredding Solutions" brochure.

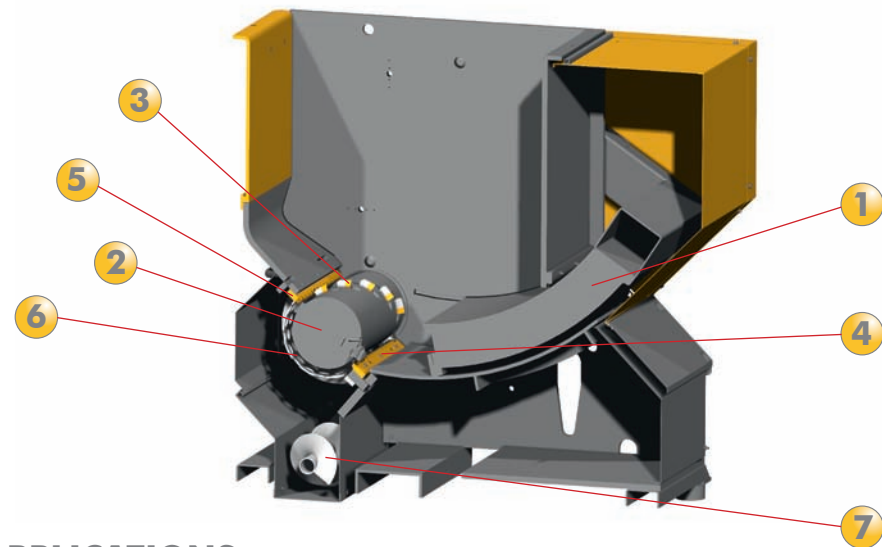


## FUNCTION AND DESIGN

During shredding, the load-controlled hydraulic ram (1) pushes the material to be shredded against the rotor (2) which is driven by an electric motor, V-belt and spur gear.

The rotor is equipped with replaceable indexable cutters (3) and shreds the material against the main (4) and secondary (5) stationary cutting bars.

The shredded material then falls through the perforated screen (6); the particle size is determined by the size of the screen. The particles are discharged via an integrated screw conveyor (7) to which additional material handling equipment can be connected.



## TYPICAL APPLICATIONS

- Dashboards • Interior auto trim • CDs • Plastic film • Cardboard packaging • Plastic drums • Plastic packaging
- Lumps of plastic • Plastic tubes • Rubbish bins • Production waste • Polymer foam • Bumpers • Rolls of plastic film
- Textiles • Packaging material • etc.

## QUALITY FEATURES

### Rugged and economical cutting system

- Multiple-use indexable cutters (A) and cutting bars (B)
- Wear resistant ram guides (C)
- Tough and reliable drive unit (D)
- Simple cutter and cutter bracket replacement (E)
- Rotor bearings protected from dirt and dust by bulkhead (F)

### Proven technology

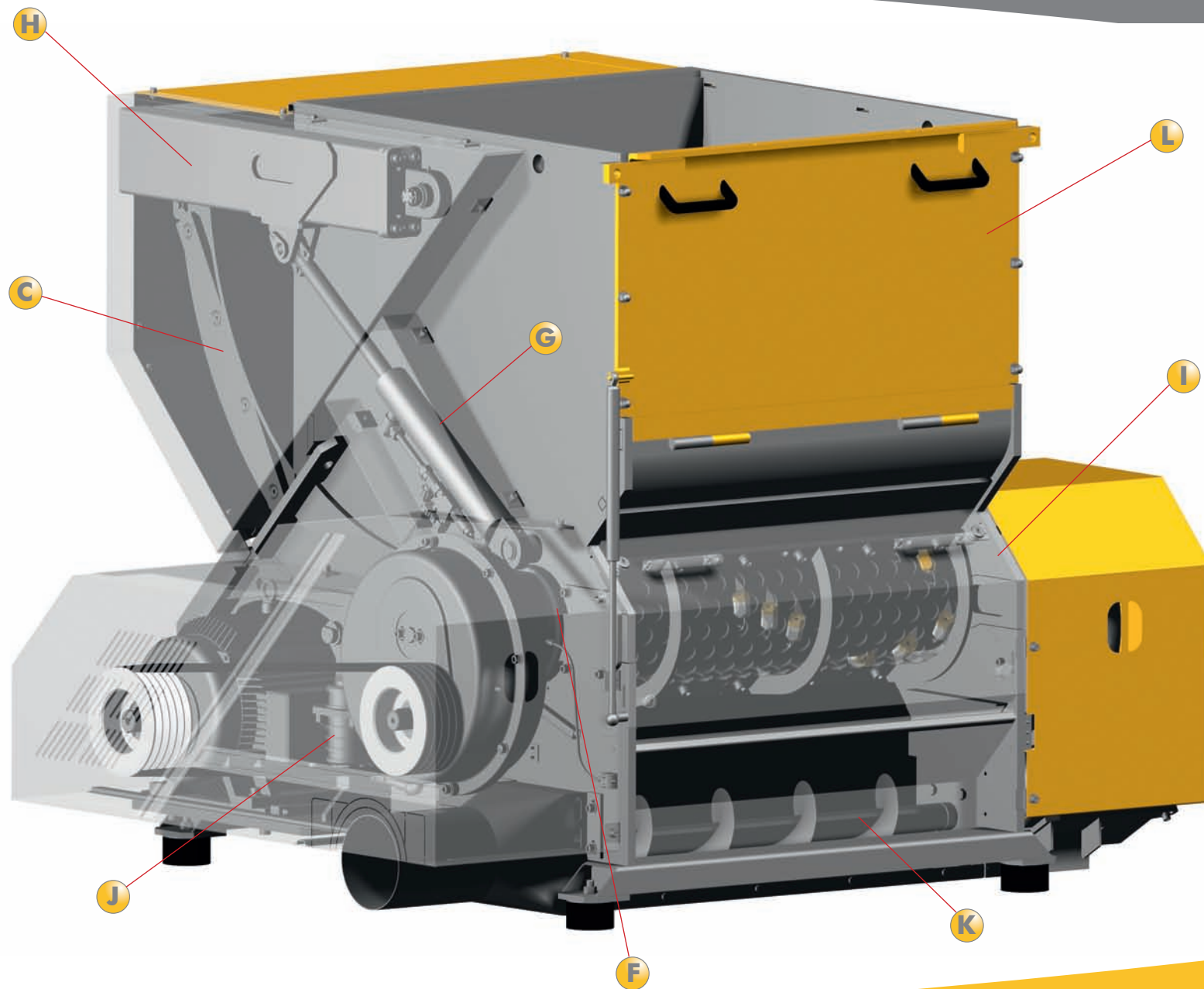
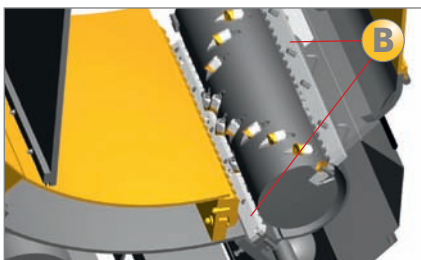
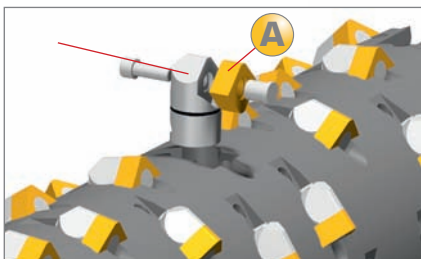
- Tried and tested cutting system (2 options: SKS, USS)
- Central lubrication system for easy maintenance
- Automatic shut-down for unshreddable items
- Jam resistant ram (G)
- Operator selectable ram control programmes for maximum throughput

### Rugged and functional design

- Compact, space-saving ram design (H)
- Rigid welded structure (I) (20 mm sheet steel)
- Smooth running elastomeric vibration dampers (J)
- Built-in discharge screw conveyor (K)
- Integrated service access door (L)

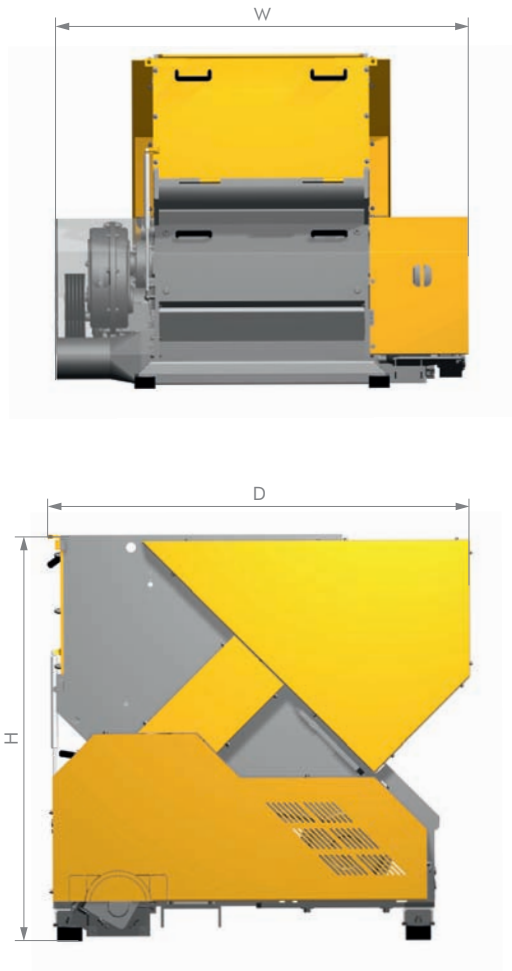
### Options

- Hoppers and stands
- Secondary ram
- Rotor cooling
- Screw conveyor quick-clean system
- Variable frequency drive
- Customised discharge screws
- Automatic central lubrication
- "UNTHA Carefree package"



# LRK SERIES

## Single-shaft shredding system



TECHNICAL DATA		LRK1000	LRK1400
Driving power	kW	22/30/2 x 22	30/2 x 22
Hydraulic power	kW	2.2	2.2
Screw conveyor power	kW	0.55	0.55
Ø Rotor	mm	300	300
Rotor speed	rpm	98	98
No. of indexable inserts ÜSS	units	27 - 81	38 - 114
No. of indexable inserts SKS	units	21 - 63	29 - 87
Charging hole	mm	1,000 x 1,050	1,400 x 1,050
Ø Exhaust connector	mm	250	250
Required suction speed	m/s	28	28
Weight	kg	3,000 - 3,400	3,500 - 3,800
Ø Perforated screen	mm	von 15 - 40	von 15 - 40
Throughput*	kg/h	ca. 800	ca. 1,100

\*) depending on: quality of material and diameter of perforated screen

		LRK1000	LRK1400
W	mm	1,863 / 2,010**	2,259 / 2,406**
H	mm	1,645	1,645
D	mm	1,704	1,704

\*\*\*) drives on both sides

**40 years of expertise**

**More than 8,000 shredders in daily operation!**





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