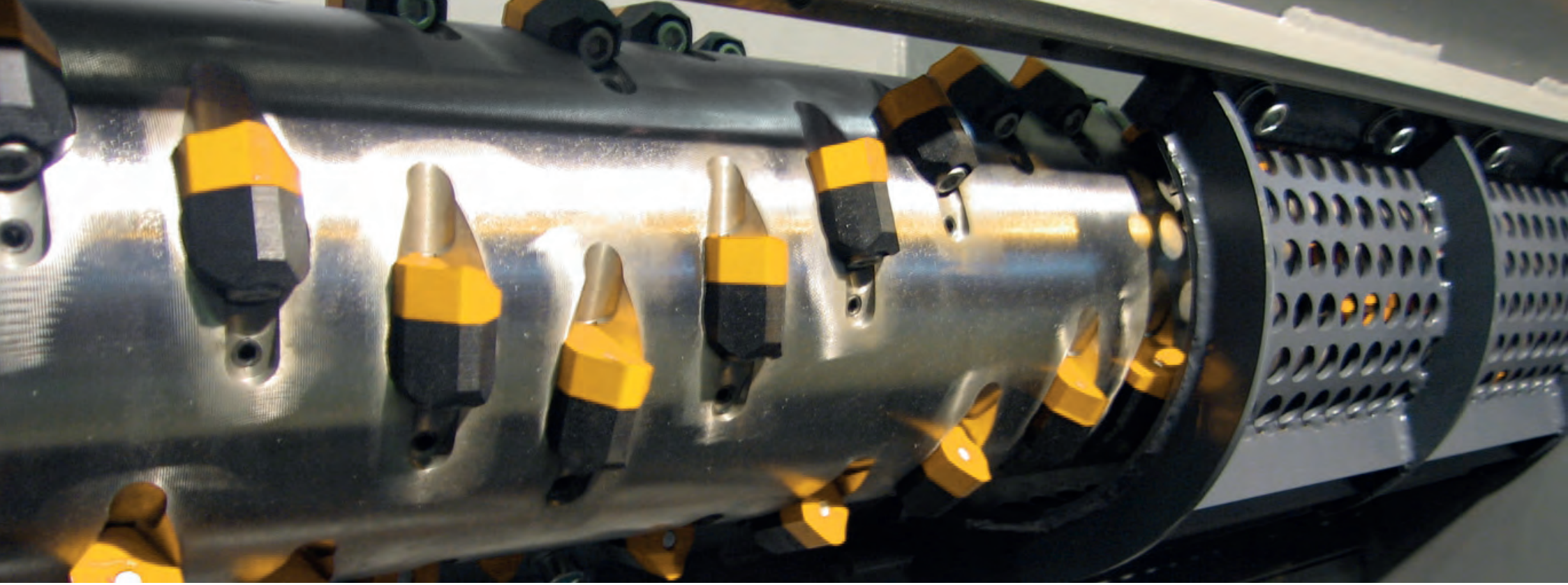
UNTHA

The reliable brand!



LRK CLASS

1-shaft shredder for high performance requirements in material recycling



Powerful and efficient

The reliable and rugged LRK class 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 sizing ensure an efficient and profitable operation.

Areas of application

- Plastic film
- Plastic lumps
- Rubber waste
- Cardboard packaging
- Cardboard cores
- Plastic & paper packaging material
- Plastic drums
- Plastic pipes
- Foam boards
- Plastic bottles
- Plastic pallets
- Production waste
- Punching scrap (skeletal waste, non-metal)
- Automotive car bumpers
- Tetra pack
- Automotive interior panels
- etc.



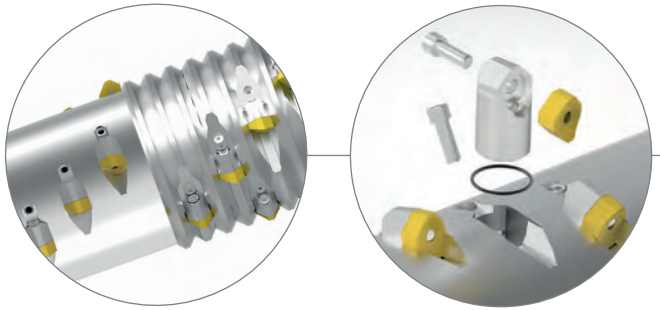
UNTHA Research & Development Centre

In 2000, UNTHA opened a modern research and development centre where trials and tests with customers' specific materials are simulated under practical conditions.

The focus is always on the customer and on fulfilling each task in the best possible manner. The technology centre enables us to gain important experience and data so we can offer the ideal shredding solution for any given task.

Take this oppportunity and make an appointment at our test and demonstration centre!

Your benefits at a glance



Effective cutting system

The **special rotors** (smooth or profiled) are equipped with **bolted cutter holders**. The **adjustable main and secondary cutting bar** as well as the cutters may be reversed up to 4 times.

Robust machine body

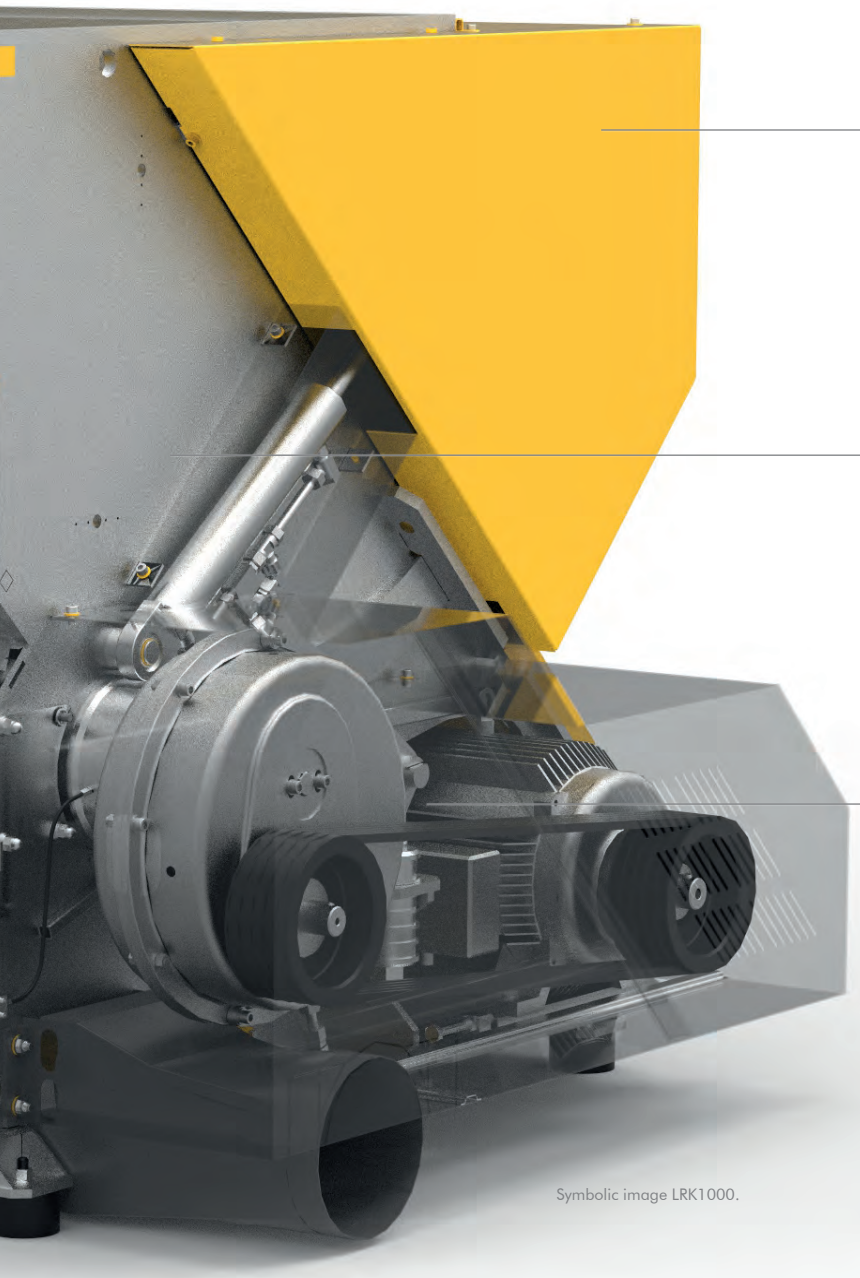
The compact construction facilitates a space-saving set-up and smooth integration in the overall plant. A low filling level ensures maximum flexibility when it comes to loading. The large filling volume increases the process safety and reduces the risk of bridge formations.



Exchangeable perforated screens

Depending on the granule size, perforated screens are available in a range of diameters. Replacing or cleaning the screens is easy and time efficient.





Symbolic image LRK1000.

Low-maintenance pusher system

The powerful feeder and the cutting system ensure high throughput rates. The low-wear feeder guide provides for a long service life and low maintenance costs.



Highly user- and maintenance-friendly

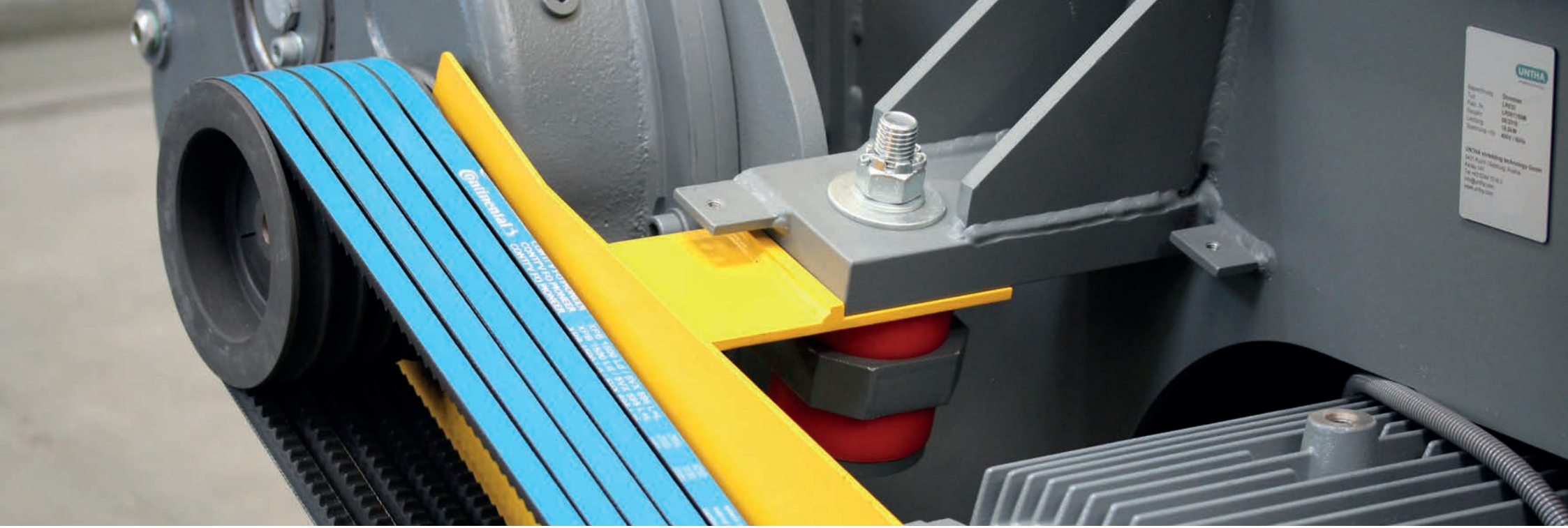
The easy-to-use control unit comes with three different programme settings, facilitating the efficient processing of different materials.

The service flap provides speedy access to the cutting chamber of the shredder, facilitating safe and efficient maintenance for maximum uptime.

High-performance power train

The high-performance power train ensures a high rotor torque, and an integrated shock absorber protects the drive system and provides for quiet running levels.





Options

Special Equipment

- **Automatic central lubrication system**: All important lubrication points are supplied continuously with lubricant and hence are less prone to wear.
- **45° machine frame**: Provides a larger feed opening and increased hopper volume.
- **Hold-down device**: Ensures the efficient shredding of bulky and light materials.
- **Rotor wear protection (hard surfacing)**: Significantly increases rotor availability with abrasive materials.

Accessory

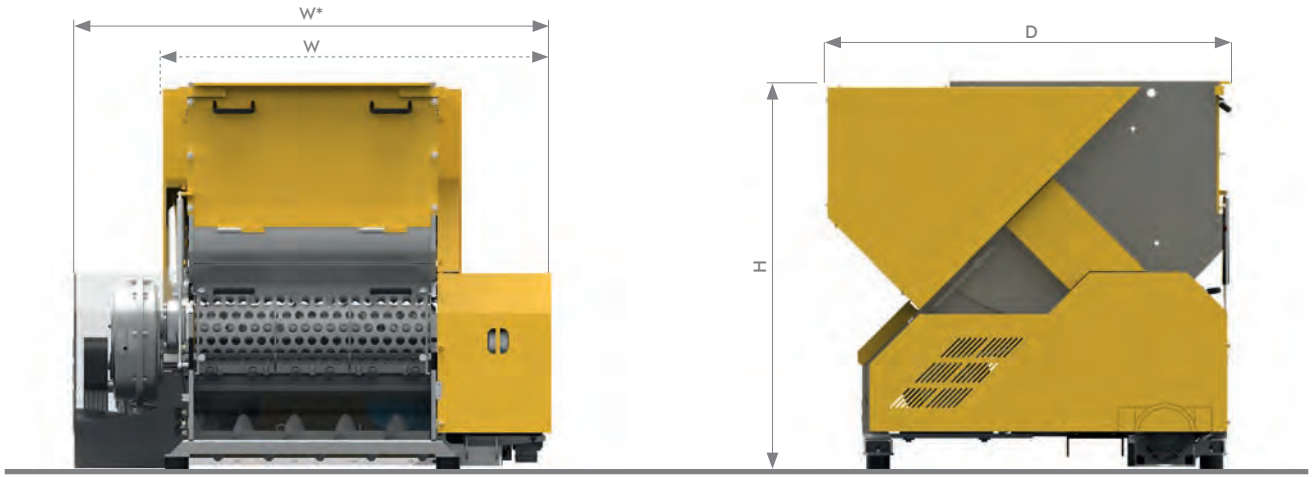
- **Special attachment hoppers**: For optimal adjustment to the input material and feeding method.
- **Rotor cooler**: Ensures the reliable shredding of materials with a particularly low melting point.
- **Discharge screw**: For easy and efficient discharge.
- **Flexible controller upgrades**: Facilitates customer-specific control system adaptations and enhancements.

Services

- **UNTHA Carefree Packages (Basic, Standard, Professional)**: Ensure that machines are technically sound and ready for use at all times.
- **UNTHA Lifetime Support**: Guarantees maximum availability throughout the lifetime of the machine.

LRK

1-shaft shredding system



SPECIFICATIONS		LRK700	LRK1000	LRK1400
Drive power	kW	18.5	22/30/44	30/44/60
Hydraulic power	kW	1.1	1.1/1.5	1.5
Ø Rotor	mm	300	300	300
Rotor speed	rpm	98	98	98
Number of cutters	pcs.	19 - 38	27 - 81	38 - 114
Feed opening	mm	700 x 1,050	1,000 x 1,050	1,400 x 1,050
Required suction speed	m/s	28	28	28
Weight	kg	1,800	3,000 - 3,400	3,500 - 3,800
Ø Screen	mm	15 - 40	15 - 40	15 - 40

	LRK700	LRK1000	LRK1400
W (mm)	1,519	1,863/2,010*	2,209/2,406*
D (mm)	1,712	1,705	1,705
H (mm)	1,630	1,630	1,645

Dimensions in mm.
*) Two-sided drive

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5 reasons to choose UNTHA



Customised, long-lasting shredding solutions



Premium quality products and services



All-encompassing expertise, from development to production, under one roof



Reliable customer service with the best technical know-how



More than 10,000 satisfied reference customers worldwide

We deliver what we promise

Since our founding in 1970, we've followed our promise of being "the reliable brand", which applies to every product and service that UNTHA delivers.

We work hard to consistently outperform our competitors, and provide customers with the confidence that – in choosing UNTHA – they have made the best decision for their business.

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