

UNTHA

shredding technology

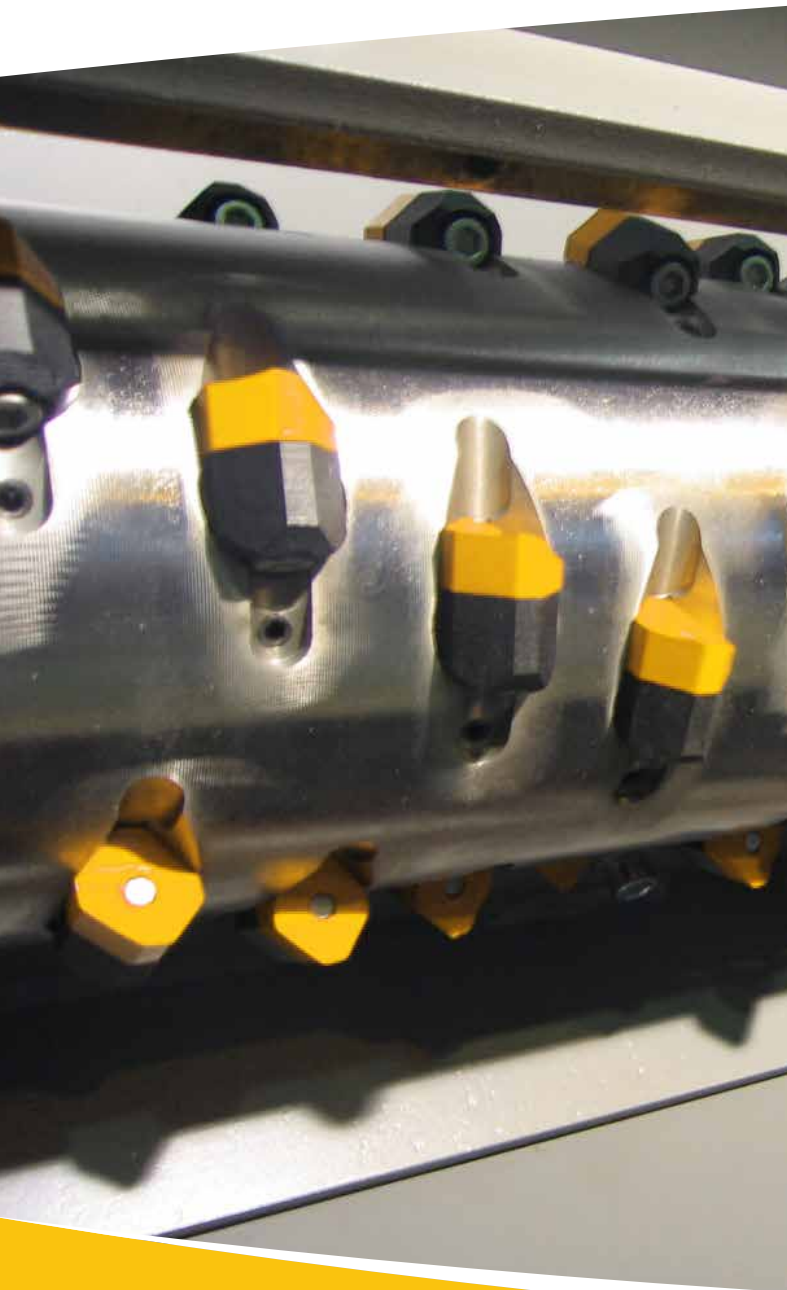
The reliable brand!

LRK CLASS

1-shaft shredder for
shredding of recyclable materials



LRK700 | LRK1000 | LRK1400



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.



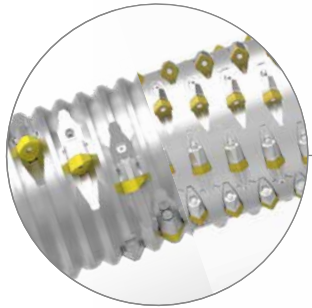
UNTHA RESEARCH & DEVELOPMENT CENTRE

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 opportunity and make an appointment at our test and demonstration centre!

QUALITY FEATURES



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.

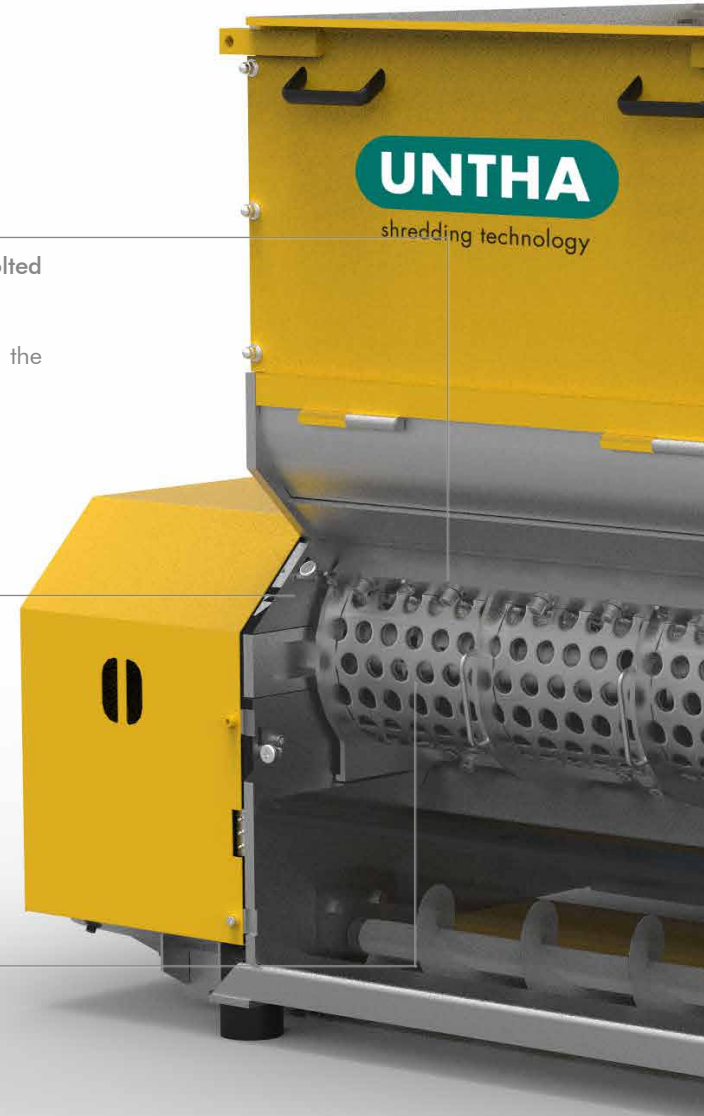
Robust machine body

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 LRK1400.



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 integrated shock absorber protects the drive system and quiet running levels.





YOUR CUSTOMISED MACHINE: EXTRAS

- **Flexible controller upgrades:** Facilitates customer-specific control system adaptations and enhancements.
- **Special attachment hoppers:** For optimal adjustment to the input material and feeding method.
- **Rotor wear protection (hard surfacing):** Significantly increases rotor availability with abrasive materials.
- **Automatic central lubrication system:** All important lubrication points are supplied continuously with lubricant and hence are less prone to wear.
- **Rotor cooler:** Ensures the reliable shredding of materials with a particularly low melting point.
- **Hold-down device:** Ensures the efficient shredding of bulky and light materials.
- **Discharge screw:** For easy and efficient discharge.
- **45° machine frame:** Provides a larger feed opening and increased hopper volume.
- **UNTHA Carefree Packages (gold, silver, bronze):** 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.

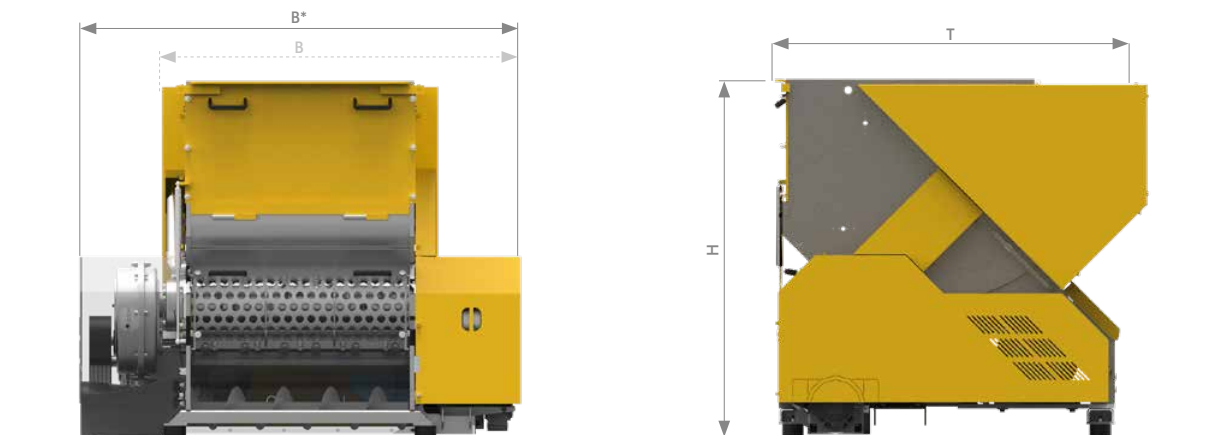
LARK CLASS

1-shaft shredding system

| SPECIFICATIONS | | LRK700 | LRK1000 | LRK1400 |
|------------------------|------|-------------|---------------|---------------|
| Drive power | kW | 18.5 | 22/30/44 | 30/44 |
| Hydraulic power | kW | 1.5 | 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 1,065 | 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 |
|--------|--------|--------------|--------------|
| B (mm) | 1,310 | 1,863/2,010* | 2,259/2,406* |
| T (mm) | 1,710 | 1,645 | 1,645 |
| H (mm) | 1,630 | 1,704 | 1,704 |

Dimensions in mm.
*) Two-sided drive



40 years of expertise.
More than 9,000 shredders in daily operation!



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