The reliable brand!

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 opportunity and make an appointment at our test and demonstration centre!
Your benefits at a glance

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.

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.

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.
Optionen

» Zuverlässige Sicherheitskupplung:
  Schutz von Schneidsystem und Antriebsstrang durch exakte Drehmomentbegrenzung bei höheren Drehzahlen

» Schaltschrankraum:
  Reduziert den Reinigungsaufwand der Klimageräte um 80 % und erhöht die Lebensdauer der elektrischen Bauteile

» Sieb-Schnellwechselsystem:
  Einfacher und zeitsparender Siebwechsel mit nur einem Mann durchführbar

» Condition Monitoring:
  Analyse und Auswertung aller relevanten Maschinendaten zur Steigerung der Produktivität

» Funkfernbedienung:
  Die Maschine kann problemlos von unterschiedlichen Positionen aus bedient werden

» Altholzpaket:
  Gewährleistet die optimale Verarbeitung von Altholz

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.

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.

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.


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.
## SPECIFICATIONS

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<th>LRK700</th>
<th>LRK1000</th>
<th>LRK1400</th>
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<tr>
<td><strong>Drive power</strong></td>
<td>kW</td>
<td>kW</td>
<td>kW</td>
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<tr>
<td><strong>Hydraulic power</strong></td>
<td>kW</td>
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<tr>
<td><strong>Ø Rotor</strong></td>
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<tr>
<td><strong>Rotor speed</strong></td>
<td>rpm</td>
<td>rpm</td>
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<tr>
<td><strong>Number of cutters</strong></td>
<td>pcs.</td>
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<tr>
<td><strong>Feed opening</strong></td>
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<td><strong>Required suction speed</strong></td>
<td>m/s</td>
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<tr>
<td><strong>Weight</strong></td>
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<td><strong>Ø Screen</strong></td>
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<th>LRK700</th>
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<tr>
<td><strong>Dimensions in mm</strong></td>
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<tr>
<th>W (mm)</th>
<th>D (mm)</th>
<th>H (mm)</th>
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<td>1,630</td>
</tr>
<tr>
<td>1,863/2,010*</td>
<td>1,705</td>
<td>1,630</td>
</tr>
<tr>
<td>2,209/2,406*</td>
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Dimensions in mm.

*) Two-sided drive
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.