

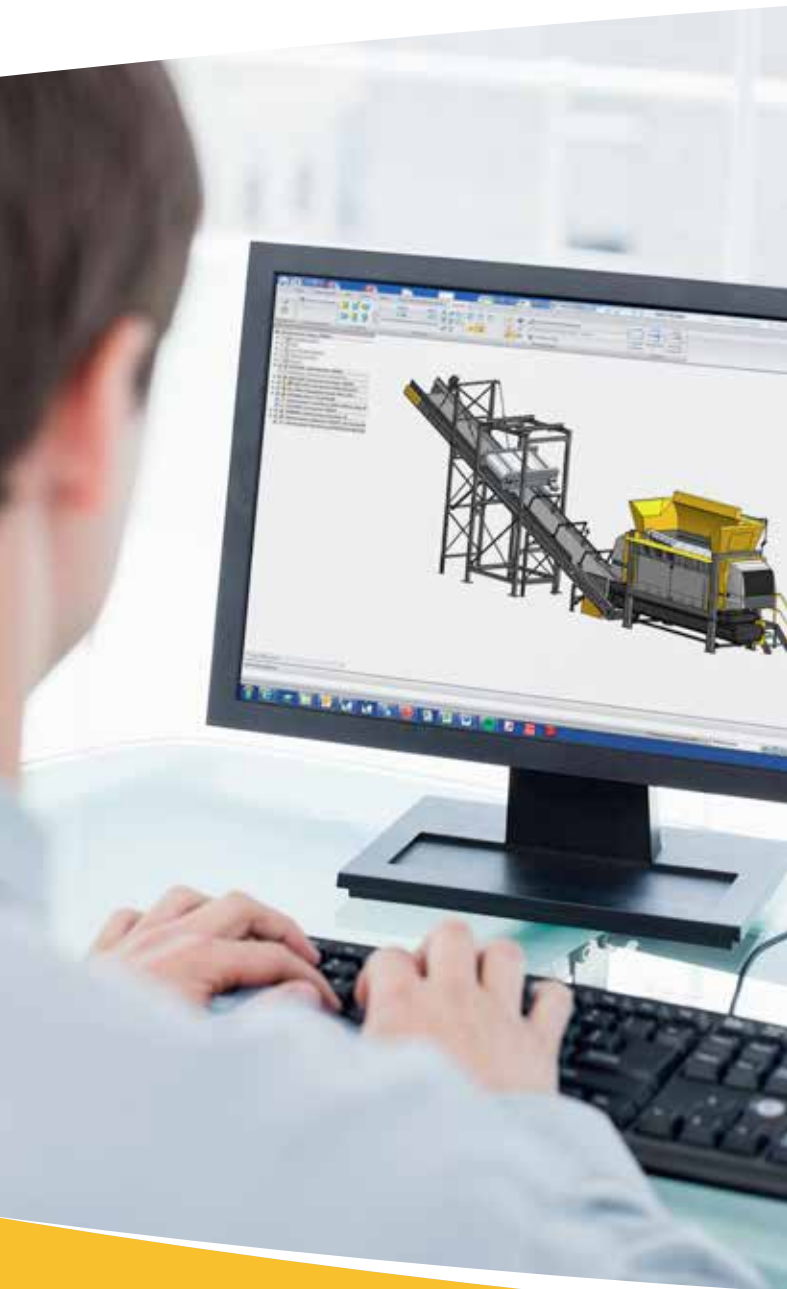
UNTHA

shredding technology

The reliable brand!



COMPACT SYSTEM SOLUTIONS FOR SINGLE-STEP WASTE PROCESSING



COST-EFFICIENT PRODUCTION OF ALTERNATIVE FUELS

UNTHA shredding technology offers complete turnkey solutions for the single-step production of alternative fuels. Low investment, compact design and low operating and maintenance costs make this solution particularly economical. It is also extremely versatile and can be used for the processing of industrial and commercial waste as well as production waste or waste wood, delivering particle sizes of 40-300 mm in a single shredding step.

High-quality individual components that are perfectly coordinated ensure maximum availability of the overall complex. The individual components and the shredder are easy and comfortable to operate via a central operating console. In addition to the entire control technology, the control cabinet room also houses the hydraulic system and the cooling unit. Permanent overpressure inside the control cabinet room protects components from dust and dirt, thereby significantly extending the lifespan of the units. This handy solution is available for all models of the XR series.

Our highly competent project managers are at your disposal for reliable and efficient project completion, from the planning and project execution phase all the way to the successful commissioning of your facility.

YOUR BENEFITS:

- > Complete turnkey solution from a single source
- > Low investment, operating and maintenance costs
- > Compact design
- > Speedy, hassle-free installation of the complete solution on site
- > High level of availability thanks to the use of high-grade individual components
- > Easy operation of the complete system via a centralised operating console
- > Easy integration in existing plant concepts
- > Low-cost, uncomplicated overseas shipping in a sea freight container



OVERVIEW OF THE SYSTEM SOLUTION



Fire extinguishing system

- > Simple, effective and low-maintenance fire extinguishing system
- > Permanent monitoring of the hopper and the discharge area of the shredder via UV/IR flame detectors
- > Automatic trigger of the water spray system in case of fire
- > There is also the option of triggering the spray system manually using a manual button
- > Increases machine, plant and building safety
- > The fire water is provided via the water supply on site
- > Reduces insurance premiums

Shredder

- > Shredder is perfectly adapted to the input material
- > System solution is suitable for the entire XR series
- > Low fill level facilitates problem-free loading with a wheel loader

Control cabinet room

- > Turnkey, space-saving solution for ancillary units and control system
- > Control cabinets and frequency converters are perfectly protected from dust and dirt
- > Speedy commissioning on site as all components are pre-mounted, including cables and pipes
- > Active ventilation by means of a ventilator



Magnetic separator

- > Reliably removes all ferromagnetic components from the material flow
- > Excellent accessibility thanks to compact steel construction with low height
- > Sufficient space for cleaning
- > Construction is optimally coordinated with overall system



Discharge feed system

- > Reliable, continuous material discharge by means of a slatted belt
- > Excellent accessibility and sufficient space for cleaning
- > Custom-fit connection of the discharge feed system
- > High safety standard thanks to integrated hand guard and pull-rope emergency stop switches throughout the entire hazard area
- > High-quality, durable design with double sealing of the conveyor belt for lateral support



Other options

- > Profibus/Profinet connection for integration in a superordinate control system
- > Contact exchange for integration in a superordinate control system
- > Installation of a start-up warning via a signal horn
- > Remote control for easy and comfortable machine operation from the wheel loader
- > Complies with ATEX22



OVERVIEW

1-STEP WASTE PROCESSING



TECHNISCHE DATEN		XR2000C/R	XR3000C/R
(A) Total length	mm	14560	15540
(B) Discharge height (upper edge of belt)	mm	5170	5170
(C) Fill level with standard hopper	mm	2730	2730
(D) Discharge height magnetic separator	mm	2500	2500

SELECTION OF IMPLEMENTED SYSTEM SOLUTIONS





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