

UNTHA

shredding technology

The reliable brand!

XR

The world's most flexible,
efficient and profitable
waste shredder



XR2000C, XR2000R, XR3000C, XR3000R



WELCOME TO UNTHA UK – YOUR SHREDDING PARTNER

If you're looking for an experienced shredding specialist that can supply world-class technology, configured to suit the exact requirements of your [waste management/recycling] operations, you've come to the right place.

BUT THERE'S MORE TO UNTHA THAN MACHINERY.

The level of knowledge and expertise that goes in to researching, designing and engineering our state-of-the-art shredders is also mirrored in the customer support services that we provide. That means we're not just a machinery vendor. We're also a friendly, forward-thinking and hard-working team of waste experts committed to becoming your shredding partner long after the sale.

WE OFFER:

- > Shredder trials
- > Operator training
- > Service and maintenance packages
- > Spear and wear parts
- > Finance
- > Complete systems solutions

The list goes on, but ultimately, your long-term satisfaction is our priority.

UNTHA UK – Your reliable shredding partner

INTRODUCING THE XR SHREDDER

By far the most talked about machine within UNTHA's range, the XR has taken the global waste industry by storm. With single-pass alternative fuel production capabilities, this feat of engineering has the potential to halve operators' capital outlay and reduces energy consumption by up to 50 %, without any detrimental on throughputs, uptime or product quality. This is a machine engineered with your profitability in mind.

The shredder is flexible too, meaning it can manufacture anything from a high quality SRF to a biomass-specification biomass product with low fines and can also shred more difficult materials such as pulper ropes. Precision sizing is possible from 400 mm to 30 mm and if your output requirements change, you can reconfigure the system within a matter of hours. All of these benefits, and we haven't even mentioned the low noise, minimal dust, ease of maintenance or build longevity! Over 150 units installed worldwide.

Installed in some of the most cutting edge facilities in the world, this is a waste shredder with unrivalled efficiencies. Talk to us about what is possible...

APPLICATIONS:

- > Commercial & Industrial (C&I) waste
- > Municipal Solid Waste (MSW)
- > Waste wood
- > Bulky waste
- > Waste bales
- > Production waste
- > Mattresses
- > Building, construction and demolition waste
- > Pulper ropes
- > and more

**DID YOU
KNOW..?**

You can trial this
shredder using your
own materials.
Enquire today!

MORE BENEFITS DUE TO CLEVER TECHNOLOGY

Drive system: UNTHA Eco Drive (A)

- > **Low energy costs:** 45-50 % lower energy consumption in comparison to electro-hydraulic drive options ensure low operating costs
- > **Low-wear drive concept:** Reduces the maintenance costs, because no coupling, belts or shaft stubs are required
- > **Low noise emission:** Noise disruption for the operating personnel is very low
- > **Resistance to foreign material:** Drive concept is resistant to non-shreddable items
- > **Low maintenance costs:** Almost no operating materials such as hydraulic oil or filters are needed. This considerably reduces the maintenance costs
- > **Load-dependent speed control:** Ensures a high throughput capacity

Ease of service and maintenance

- > **Hassle-free maintenance:** The clever machine construction enables comfortable, fast and safe working for the operating personnel
- > **Fast knife change:** Slow rotor speed (2 rpm) enables simple and quick knife change
- > **Commercially available tools:** All maintenance and service work can be carried out with commercially available tools and in an upright position (B)
- > **Spare parts availability:** All important spare parts are always in stock and available within 48 hours
- > **Remote maintenance package:** Fast assistance from UNTHA technicians via remote maintenance

Intelligent and robust machine structure

- > **System for non-shreddable items (C):** Ensures rapid removal of foreign materials from the cutting area
- > **Robust steel frame construction (D):** Warp resistance and robust special section tubes excel in even the toughest operating conditions, with little vibration
- > **Different cutting concepts:** Ripper and cutter system (E) for different requirements and materials
- > **Predefined fraction size:** Strainer bars or perforated strainers ensure a homogeneous and definable fraction size
- > **Internal pushing system:** Cutter system with internal pushing system (F) guarantees a continuous material infeed

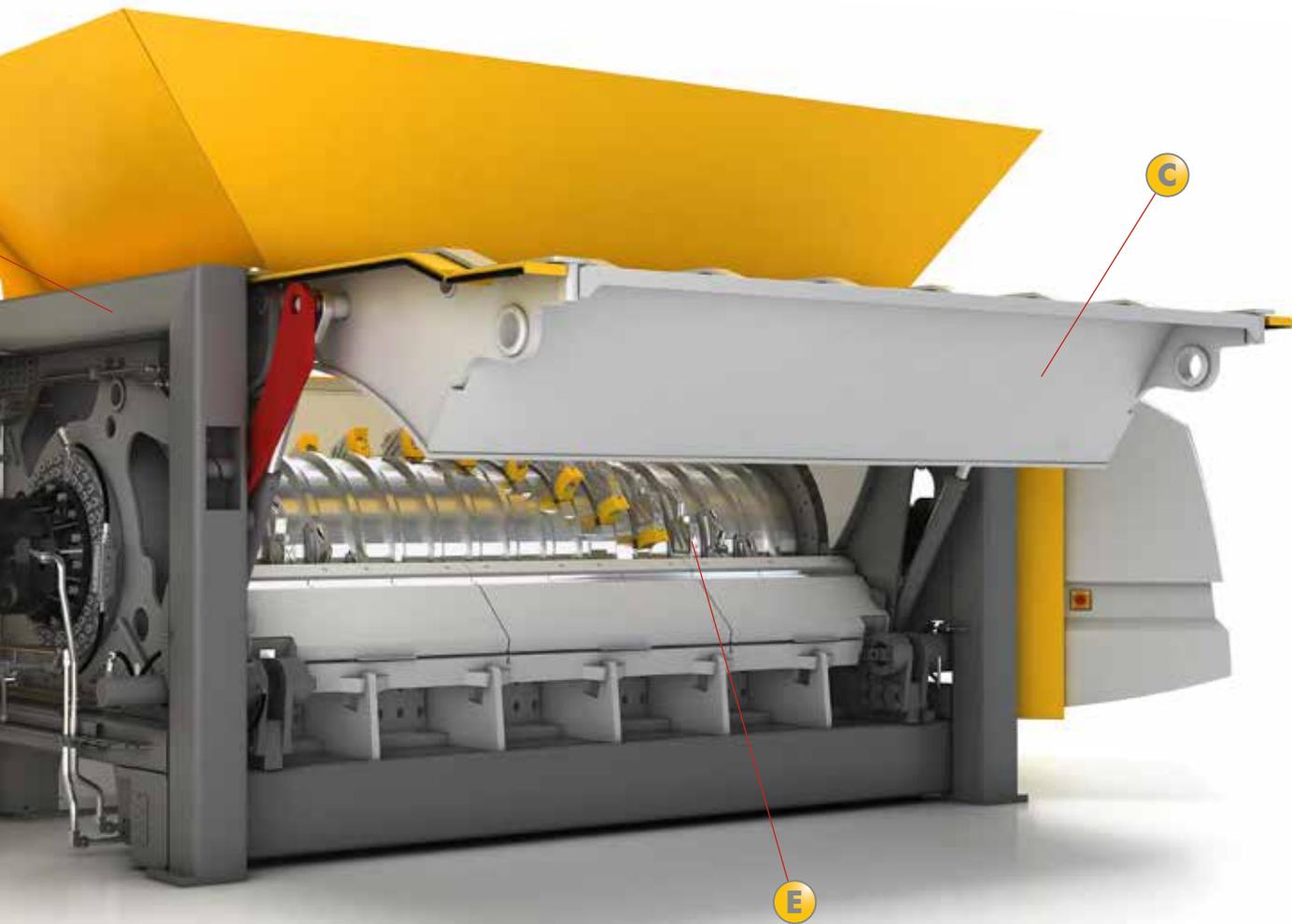
Compact design

- > **Integrability:** The machine is easy to integrate into existing and new plant concepts
- > **Low charging height:** Machine can be fed, without any problems, with a wheel loader
- > **Low machine width:** Due to the low machine width no special transport is necessary

Simple operation

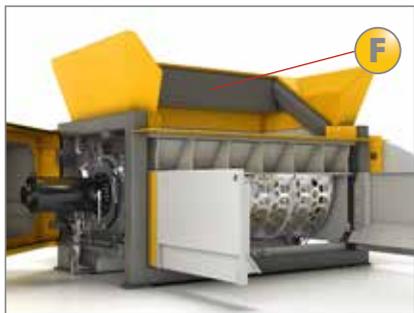
- > **Operating terminal:** Operation takes place via a 7" colour touch display (G)
- > **Maintenance-free control cabinet:** Maintenance-free, dust-proof and sealed Rittal control cabinet ensures reliable operation





Options

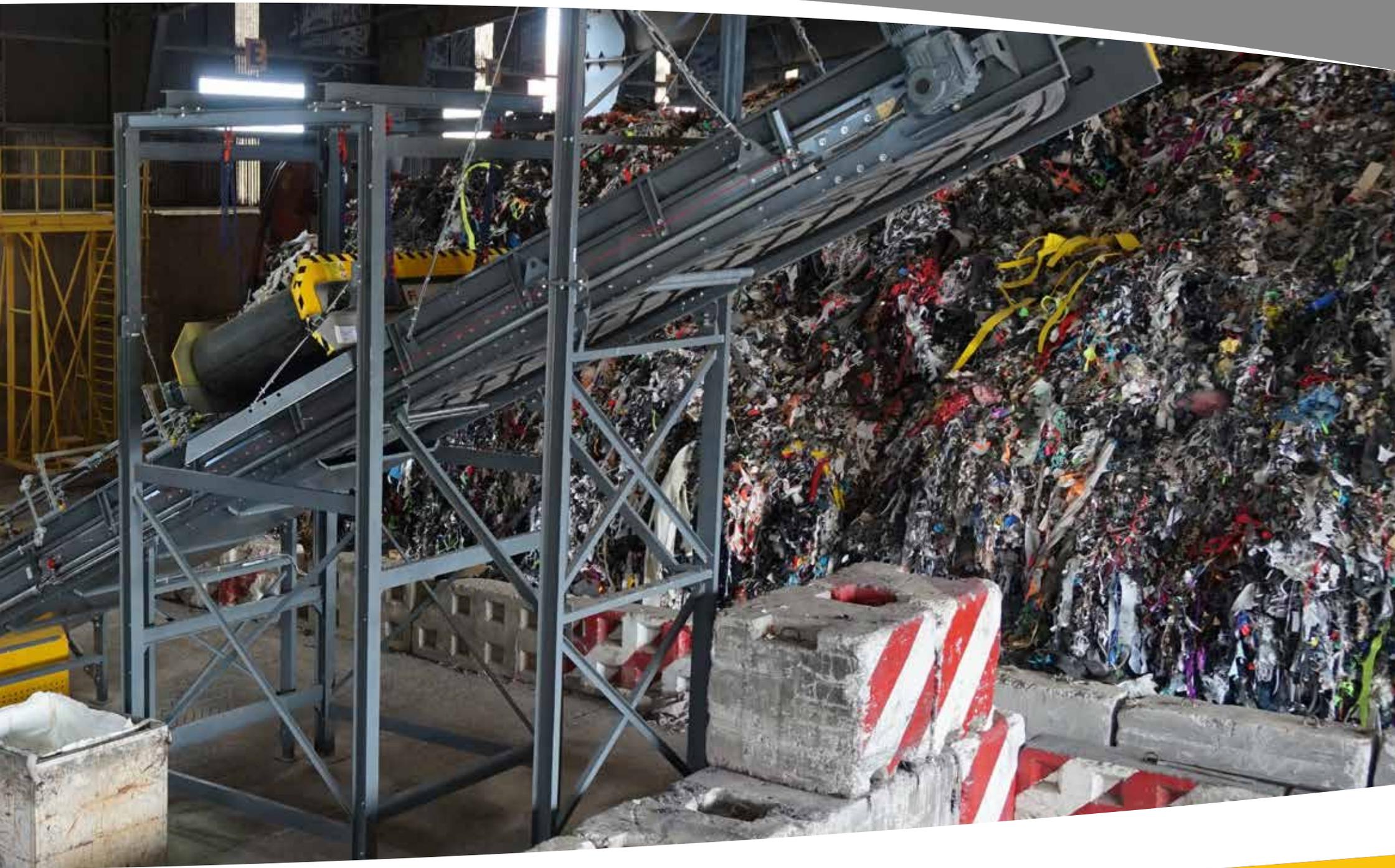
- > **Motor covers:** Protect the drive units from dirt, falling material and damage from handling equipment
- > **Hopper:** 3-sided hopper for feeding with the wheel loader or 4-sided hopper for higher feeding volume and filling using handling equipment
- > **Control room:** Reduces the amount of cleaning required for the air conditioning units by 80 % and increases the service life of the electric components
- > **Automatic central lubrication:** Enables longer maintenance intervals and reduces the servicing required
- > **Radio remote operation:** The machine can be operated in a problem-free way from different positions
- > **Discharge belt:** Ensures simple material discharge
- > **Signal lamp:** Displays the operating status of the machine



“As we watched the new XR operate under real, particularly demanding shredding conditions, its capabilities shone through immediately. I’d go so far as to say this shredder is revolutionary. For us, it will do the job of a pre-shredder and a high capacity secondary shredder, in just one machine. What’s more, the XR’s energy efficiency is not only better for the environment; it will result in phenomenal cost savings for our business.”

Klaas Hofstra, Adverio Engineering/NL





OUR FACILITIES:

When you invest in an UNTHA shredder, you don't just receive a piece of machinery. You also have access to a range of facilities at our North Yorkshire headquarters, including:

- > **OUR 'TEST CENTRE'**, which allows you to trial our equipment and conduct feasibility studies using your own materials.
- > **ON-SITE TRAINING COURSES**, developed specifically for our shredders and held away from your premises (if you wish), to ensure your staff are rigorously equipped with the skills they need to efficiently run, maintain and optimise your machine.
- > **VIP INVITATIONS TO OUR PROGRAMME OF CONFERENCES**, with guest seminars and learning sessions delivered by notable industry figures.





CUSTOMER SUPPORT SERVICES:

Your shredder is an asset engineered to deliver a return on investment long into the future. That's why we're as renowned for our customer support services, as we are our technology. These services include:

- > **PREVENTATIVE MAINTENANCE PLANS** and **SERVICING REGIMES** tailored to your application.
- > **CUTTER** (and **SCREEN**) plus complete machine overhauls.
- > The **SUPPLY OF HIGH QUALITY, READILY-AVAILABLE** spare and wear parts.
- > An **ENGINEERING HELPLINE** with remote diagnostics, if you encounter any issues or want to optimise the performance of your shredder.

Want to avoid fluctuating after sales costs? Talk to us about devising an affordable plan – and one consistent payment – to suit your needs.



BUYING AN UNTHA SHREDDER

Our shredders have been specifically designed with value and return on investment in mind. But our commitment to saving you money doesn't stop there. We also offer a range of flexible procurement options to suit the requirements of YOUR business.

PURCHASE OUTRIGHT

If you have the capital available to purchase the machine outright we will prepare a comprehensive quote inclusive of the shredding technology itself and the commissioning project. We can also factor in a customer support package tailored to your operational needs, so that you can benefit from the expertise and assistance of our dedicated after sales team long after the initial installation.

FINANCE AVAILABLE

If you would prefer to spread the cost of the investment, we work with some of the UK's leading finance partners for every level of shredding project. That means one manageable, all-inclusive monthly payment for a term to suit you, with no hidden costs or unexpected surprises.

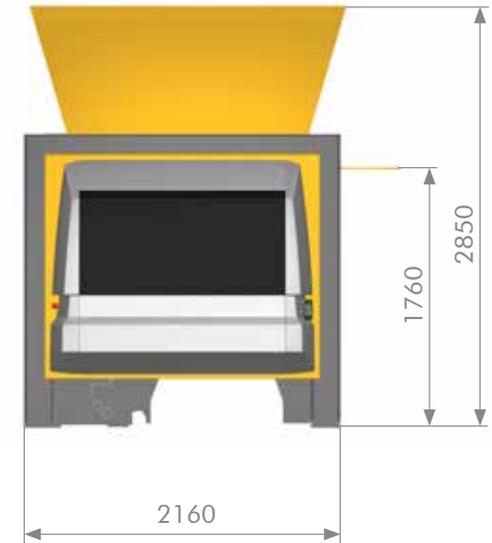
With knowledge of all the latest grants available, our finance partners can also advise how you can access funding to make your investment even more affordable.

Talk to us about your budget and preferred procurement method and we'll tailor our proposal accordingly.

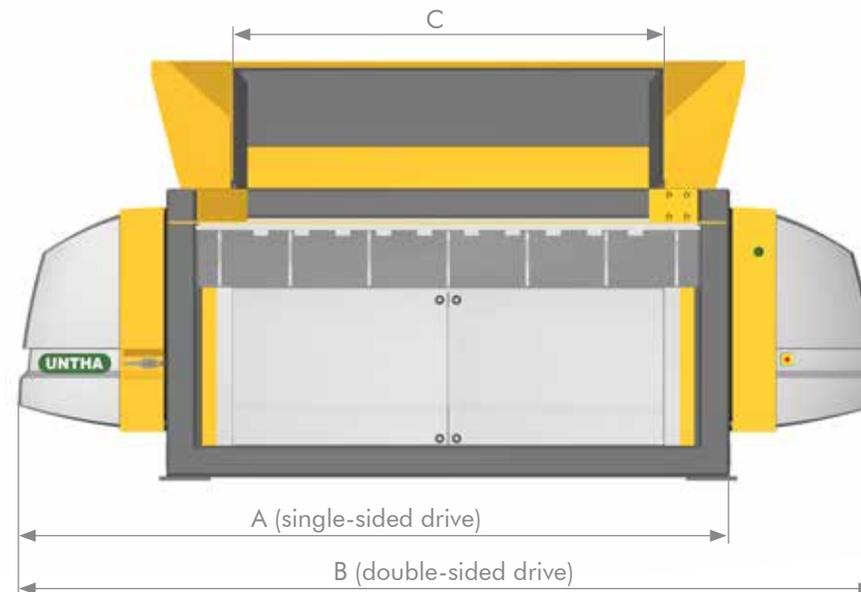
XR SERIES

1-shaft shredding system

TECHNICAL DATA		XR2000C	XR2000R	XR3000C	XR3000R
Drive power (valid for all types)	kW	1 x 65 1 x 113 2 x 65 2 x 113			
Hydraulic power	kW	7.5	3.0	7.5	3.0
Ø Rotor	mm	1,000	1,000	1,000	1,000
Rotor speed	rpm	0 - 35	0 - 22	0 - 35	0 - 22
Weight	t	appr. 21	appr. 20	appr. 24	appr. 23
Throughput*	t/h	20	50	25	70



	XR2000C/R	XR3000C/R
A	4070	5070
B	4880	5880
C	1960	2960



*) depending on: quality of material and diameter of perforated screen
All dimensions in mm.



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