

INDUSTRIAL KNIVES FOR THE RECYCLING INDUSTRY

Shredder knives, ripper teeth & wear parts

Who we are

Behind ReCutec is a well-rehearsed team with a clear job: making sure your shredders, granulators, crushers and shears cut reliably – day after day. As a brand of Nagler Normalien GmbH, we supply industrial knives, ripper teeth and wear parts that fit your machine exactly. From a single knife made to drawing to a complete framework agreement for ongoing demand.

Our locations

India – Manufacturing of industrial knives and wear parts.

United Kingdom – Production and warehouse; our second manufacturing pillar for flexibility and capacity.

Portugal – Warehouse and sales for the Iberian region, short routes for our customers in Spain and Portugal.

Germany – Warehouse and sales for the DACH region, Benelux and Scandinavia. This is where your direct contact sits.



What does that mean for you? Short delivery routes, enough capacity even when things get urgent – and a partner who speaks your language and knows your market.

The recycling industry – in brief

Recycling is hugely varied: every material brings its own demands on cutting and size-reduction technology. Once you understand the material flows, you immediately know which knife makes the difference here.

<p>Metals</p>	<p>Tyres & rubber</p>
<p>Aluminium, copper and scrap from high-grade alloys call for especially wear-resistant blades.</p>	<p>Old tyres are shredded and made usable again for road construction and industry.</p>
<p>Electronic scrap (WEEE)</p>	<p>Plastic & paper</p>
<p>Electronics and mixed metals are a real challenge – here every clean cutting edge counts.</p>	<p>Packaging, film, cardboard: high throughput, high cycle rates, no room for downtime.</p>

And here's how the three machine types tackle it:

<p>Shredders</p>	<p>Powerful blades with plenty of torque for large, mixed waste.</p>
<p>Granulators</p>	<p>Precise cutting-gap blades for finer, clearly defined grain sizes.</p>
<p>Crushers</p>	<p>Here pressure acts instead of a cut – what's needed are high-strength wear parts such as jaws and plates.</p>



From intake through size reduction to clean separation – knives are involved everywhere.

Fits machines of every size – in use worldwide

Whatever make stands in your hall: our knives, ripper teeth and wear parts are matched to the common machine models of the leading OEM manufacturers. You name the machine and the dimension – we supply the matching part, exactly to material and geometry.

Shredders	Granulators	Crushers
Fits leading shredder ranges in scrap, tyre, RDF and WEEE processing.	Blades for granulators used in plastic and cable processing.	Wear plates and jaws for stationary and mobile crushers in mixed and demolition-waste processing.

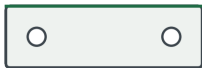
Our customers – around the globe

Exactly where our parts are in use, we keep confidential. But the map gives a good idea of how far our knives and wear parts already travel across the world.



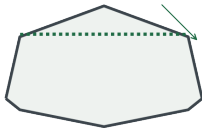
Knives & wear parts – precision that pays off

Every part in our range is made for one job: maximum service life with minimum effort. Material, geometry and heat treatment mesh perfectly – and that's exactly what decides whether a wear part lasts a long time or has to be replaced constantly.



Counter knives

The heart of every cutting edge. Our counter knives are aligned exactly against the rotor and determine how clean your end product looks. High-alloy materials and a precise hardness make them last considerably longer than standard goods.



Concave knives

The curved edge draws material specifically into the cutting zone – that brings serious throughput. We manufacture every curvature exactly to your drawing, so the changeover works without rework.



Rotor knives

They sit directly on the rotating rotor and do the main work at high speed. The right balance of toughness and hardness prevents chipping and, as a bonus, protects your machine.



Stator / bed knives

As the fixed counterpart to the rotor, they ensure a clearly defined, clean cut. This is where our in-house heat treatment pays off: even hardness across the whole edge – batch after batch.

Whether a standard size from the range or a custom build made to drawing – every part goes through the same quality control. The result: fewer unplanned stops, longer change intervals and a wear-part budget that stays predictable.

When the shredder stops, everything stops

A blunt knife is no small matter. It's that one moment when an ordinary working day suddenly becomes an expensive state of emergency: the line stops. Output collapses. And outside, the next lorry is already waiting at a locked gate – while inside, every minute costs hard cash.



Anyone who pushes tonnes of scrap, plastic or electronic waste through their plant day after day knows these moments only too well. And this is exactly where it's decided who goes home calm in the evening – and who is standing in the hall with the phone to their ear:

1**Wear at the worst possible time**

Mid-shift, cutting quality drops. Just now clean particles – now coarse reject. Nobody saw it coming, and suddenly the clock is running against you.

2**Poor cuts cost twice**

First the material value drops, then energy and machine wear climb. The plant toils longer and harder – for a result that's worse than before.

3**Lead times when it really matters**

The supplier needs weeks. The plant is down now. Every hour of standstill eats a whole day's margin – and the pressure on the team grows by the minute.

4**One supplier, zero leverage**

If you only have a single source, in the end you pay exactly their price. The entire risk rests on your shoulders – and you feel it every single day.

That very pressure is what drives us. We deliver wear parts you can rely on – dependable, predictable and long before the next breakdown even becomes a topic.

Why customers stay with us

We don't just supply wear parts – we supply reliability. In quality, in delivery time and in the way we work together. That's exactly what our customers feel in production, day after day.

Top quality from our own hands

Material, precision manufacturing and heat treatment are all in one hand. That means consistently high service life instead of nasty surprises.

Fair prices without quality compromises

Our international manufacturing brings cost advantages – and we're happy to pass them on. We still make no compromises on the material.

There fast, even when it's urgent

Common sizes are in stock, rush orders are prioritised. So a wear case doesn't turn into a production stop.

Your brand, our works

For dealers and distributors we also manufacture under your own brand – discreet, reliable, in the usual quality.

One fixed contact person

From the first drawing to the running agreement, someone who really understands your application is with you.

Everything under one roof

Milling, turning, straightening, heat treatment – all in-house. That keeps routes short and quality consistent.

Which customers is our offering ideal for?

Those who get the most out of it are everyone who has to rely on dependable cutting and wear parts – whether in ongoing operation or in technical sales.

Primary target customers

Large recycling operations

Plants with high throughput, where every minute of standstill costs money and predictable supply is worth its weight in gold.

OEM manufacturers & distributors

Machine builders and dealers looking for reliable parts – on request also as a white-label for their own customers.

Secondary target customers

Industrial cutting users

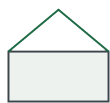
Beyond classic recycling too – anywhere wear resistance and precision matter.

Spare-parts dealers

Anyone who wants to extend their range with consistently high-quality wear parts.

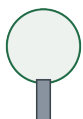


Which sectors use our knives?



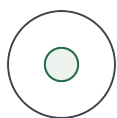
Where do knives for metal cut?

In scrap and metal recycling, where aluminium, copper and steel scrap are size-reduced before being reprocessed. This is where especially wear-resistant steel really pays off.



And in wood processing?

Absolutely – for example with wood pellets and in wood size reduction, where robust blades ensure even grain sizes.



What role do paper & packaging play?

Cardboard, packaging and waste paper are shredded in huge volumes. Here high cycle rates and long service lives in continuous operation count.



And in plastics recycling?

Consumer plastics and packaging are granulated to be reused as recyclate. Our granulator blades deliver clean, even cuts for this.

Our locations & the route to your quote

Four locations, one shared quality promise: manufacturing in India and the United Kingdom, warehouse and sales in Portugal for the Iberian region and in Germany for the DACH region, Benelux and Scandinavia. That way we're always close by – wherever your plant stands.

Our four locations

India	United Kingdom	Portugal	Germany
Manufacturing of industrial knives and wear parts.	Production and warehouse – flexibility and capacity.	Warehouse & sales for the Iberian region.	Warehouse & sales for DACH, Benelux & Scandinavia.

How you get to your quote

1. Enquiry & drawing

You send us your drawing or the dimensions of the existing part – alternatively we look at a reference sample.

2. Review & questions

Our technical team clarifies material, hardness and tolerances. No drawing to hand? We help with reverse engineering.

3. Quote

You receive a binding quote with price, lead time and minimum quantity – transparent, with no hidden costs.

4. Sample & first-article inspection

On request we produce a first article for approval before the series starts.

5. Series & delivery

After approval we deliver reliably – one-off or within a running call-off agreement.

Our aim is a quotation process that's as simple as possible: fast answers, clear communication and a contact person who really understands your application.

Curious?

Just write to us via recutec.de/en/contact.html – we look forward to your drawing or wear-part sample and will get back to you quickly with a quote.