



# green efficiency<sup>®</sup>

Less fuel, more power





# Less fuel, more power

**green efficiency® by Komptech is an innovation programme that gives our machines lower consumption and higher performance, and uses the latest exhaust scrubbing technologies. The reward is twofold: Our customers save on operating costs, and the environment - and with it all of us - benefits from reduced CO<sub>2</sub> emissions and resource use.**

The most important feature of this programme is higher efficiency in drive, shredding or material discharge, giving higher output per unit energy used and thus reducing specific energy consumption. Behind it are spectacular solutions like the new direct mechanical drive on the Crambo, and ideas that build on and improve existing features such as the efficient friction-wheel drum drive on the Cribus.

The green efficiency® concept also incorporates the latest exhaust-scrubbing technology, reduced noise emissions and measures that make the machines generally more efficient in use, like faster maintenance, longer-lasting wear parts and much more.

And we don't stop there. If a machine is able to do the jobs of two or more other machines, that's also green efficiency® - because it saves all of the resources, energy and work that would have gone into the production and operation of the other machine.

Different Komptech green efficiency® machines use different large and small innovations, but they all share one thing - they are substantially more efficient than the current state of the art. Of course it goes without saying that we make no compromises in throughput, functionality or range of applications.

- » High efficiency drive systems with high power output per unit fuel input, fuel-saving shredding systems, efficient discharge conveyors, etc.
- » No compromises on throughput, functionality or usability
- » The lowest possible emissions, for example by the use of the most effective available exhaust scrubbing technology
- » Reduced noise emissions



**green  
efficiency®**

The goal in the development of future technologies is to use the energy we ultimately get from the sun as directly as possible, with the highest possible efficiency and the lowest possible damage to the environment. Accordingly, the symbol chosen for the green efficiency® brand is the sun.



# Why we do it

At Komptech, we're technicians through and through. As a tech company, we got our start in a garage, with two guys who turned their calling into a profession. So we love technology, pretty much any kind of technology. But there's a but. Because we're not just technicians. We're also husbands and wives, mothers and fathers, grandparents - regular people.

And so we want the generations that come after us to say that we considered the consequences of our actions.

After a long time of hard work, our contribution to a better environment stands firm. We call it green efficiency®, an innovation programme that gives our machines higher performance and lower consumption, uses the latest exhaust scrubbing technologies and saves vast amounts of CO<sub>2</sub>, to help save the planet.

Sound paradoxical? Perhaps. But sometimes in life you just have to set your mind to something to make it happen.

We know that we're not the only ones helping make the world greener. But we're still very proud of our solutions for waste and biomass processing.

# How we live green efficiency®

As passionate technicians we face up to the challenge every day of making our machines more efficient and thus more capable.

Our goal is that every machine that bears the green efficiency® logo really is efficient.

And green efficiency® doesn't just stand for the exceptional economy, quality and productivity of our machines, but is also an expression of our company culture.

It doesn't end when we leave the company, but is a personal concern of each of our employees. We want to live green efficiency® as an attitude, so that it moves from strength to strength. Because making the world a little greener and more livable starts with each of us individually.

[www.greenefficiency.com](http://www.greenefficiency.com)





„We at Komptech live Technology for a better environment.“  
Komptech-CEO Heinz Leitner

# green efficiency® in detail

## CRAMBO DIRECT



- » Mechanical gearbox with the functionality of a hydraulic drive
- » Diesel engine with current exhaust technology
- » Newly designed engine compartment with maintenance access points on the outside of the machine
- » Quick change screen basket cartridge system
- » Improved drive components and new acoustic design of the engine compartment

## TERMINATOR DIRECT



- » Mechanical gearbox with two manually shifted speeds, reversing function and overload protection
- » Electric drive
- » Newly developed counter comb
- » Improved manufacturing process for wear parts (F drum teeth)

## MULTISTAR



- » Electric drive of all components (screen drum, conveyors)
- » Hybrid drive: Power from the grid or generated with the on-board diesel generator
- » Fines discharge system with corrugated edge belt
- » Changeable screen decks for different machine configurations

## HURRIFEX



- » Combination of two separate machines in one unified design
- » Electric drive of all components (fans, conveyors)
- » Hybrid drive: Power from the grid or generated with the on-board diesel generator

## AXTOR 6010



- » Active feed system and efficient cutting geometry for lower fuel consumption
- » Diesel engine with current exhaust technology
- » Ideal positioning of engine for reduction of noise emissions
- » One machine - two functions: Powerful shredder and full-value chipper

## CRIBUS



- » Electrical drive of all components (screen drum, conveyors)
- » Hybrid drive: Drive power from diesel generator or grid power
- » New drum design with larger diameter
- » WheelGrip® power transfer
- » Hopper belt drive on the drum intake side

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by KOMPTECH

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# TECHNOLOGY FOR A BETTER **ENVIRONMENT**



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