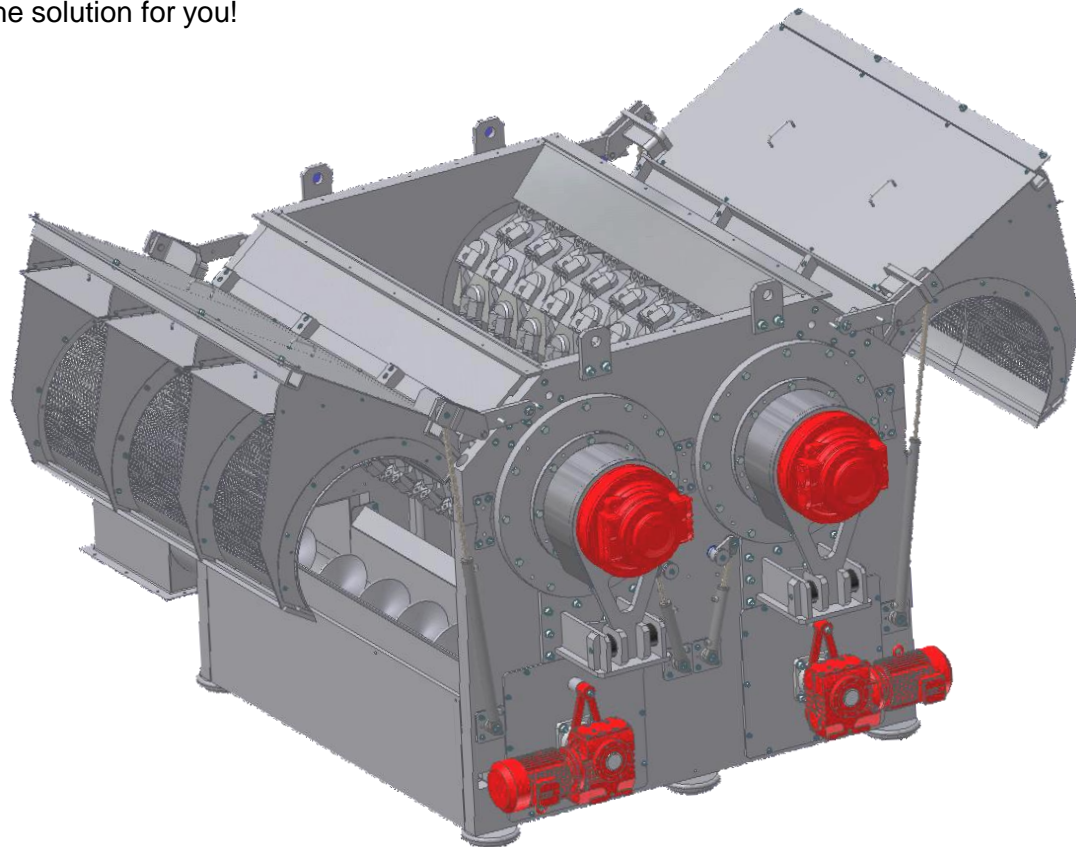
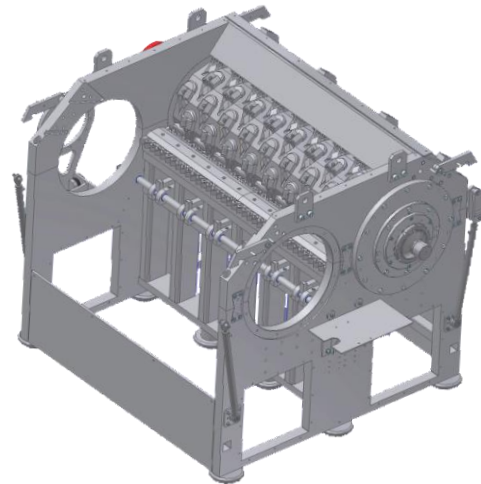


Possibilities for extensions and conversions: Our construction kit for high-tech & peak performance!

You have a throughput of 3 – 10 to/h and you want to double it without extensive conversions? No problem! Start with just one shaft and upgrade your machine by adding a second shaft – motors, hydraulic and electric system remain unchanged. How does it work? Simple and convincing!

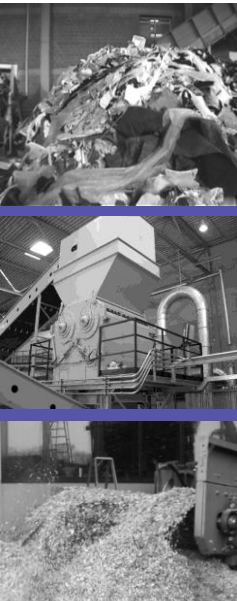
Our different tools with patent registration help to realise most difficult shredding tasks. You don't know your waste specifications of tomorrow? We don't either – but we already have the solution for you!



Two-shaft high-tech shredding with multi-edge rotor and hydraulic drive



- ✓ Perfection and best performance are newly defined in shredding technology.
- ✓ The biggest available cutting area with self-feeding effect and optimal material distribution along the cutting tools ensures a peak marathon performance.
- ✓ Best granulate qualities at well-defined grain sizes.
- ✓ Shredding without contact pressure, squeezing effects, friction losses.
- ✓ No generation of heat and dusts at a granulate quality of 6 - 80 mm size with a capacity range of 3 - 30 to/h.

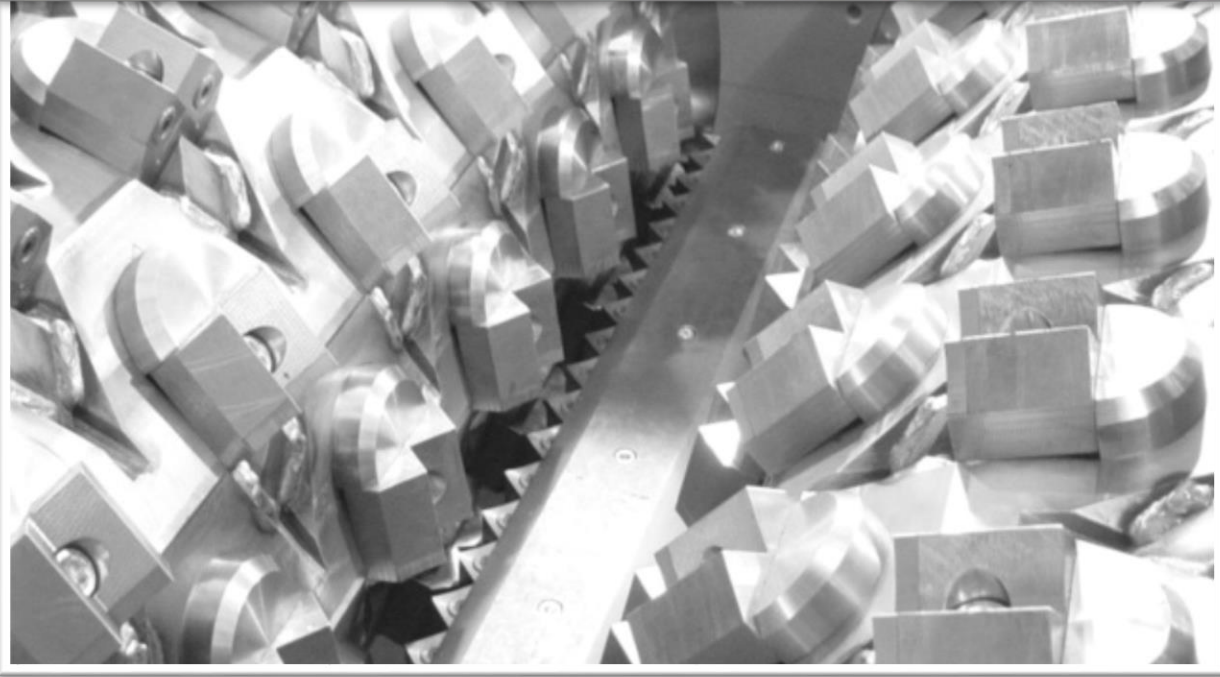


Let us show you how our technique works! Several video clips are available for download on our website: www.holzmag.com.

PowerCut. Core piece of ideal recycling plants.



RDF production from carpet waste



PowerCut are **two-shaft shredders** for continuous material input. Two counter-rotating shafts with single control of the cutting shafts and material self-feeding by patented cutting technique enable the shredding of highly difficult material as sticky bitumen materials, clotted insulation mats, carpets, fabrics, foams, light material fractions, tapes or strings and rubber of all kinds, down to well-defined granules of **6 mm – 80 mm** with a minimum content of fine fractions.

The hydraulic drive technique guarantees an impact-resistant and resonance-free power transmission. The cutting tools with different knife types ensure safety, availability and best cost-benefit calculation. The continuously adjustable rotor speed, the variable cutting frequency and the corresponding knife form in combination with the screen holes yield minimum material rotations in the cutting area. The minimum cutting clearance prevents squeezing effects in the cutting area. Material friction on top of the shaft cannot occur with the multi-edge shaft. There are no areas around the screen where clogging can occur. Contact pressures are prevented, no friction heat will be generated. Thus minimum wear effects and energy consumption are guaranteed.



Cutting tools: On the patented shredding shaft various cutting tools can be used to adjust to different materials.

The self-centering, distortion- and tilting-safe assembly of the knife blocks is positioned firmly, as well as the static knives. The cutting clearance can be adjusted by help of notches. Tools with wear plates out of steel, hardened steel or ceramic allow the processing of glass fibres, carbon fibres, cement bags or insulation mats out of mineral or glass wool. The Powercut DUO can produce two different granulate sizes simultaneously with separate unloading. Discharging can be done with conveyor belts, auger screws or collecting conveyors. The highest available cutting area of the knife blocks on two shafts yields best performance.

Examples

