

UNTHA develops intelligent monitoring tools for its shredders

UNTHA GENIUS is “your shredder’s brain”

With UNTHA GENIUS, UNTHA is giving its customers an innovative tool for monitoring the condition of their shredders on an ongoing basis. Using reliable sensor technology, this intelligent monitoring system processes all data in real time, alerts users of deviations and sends decision support directly to a smartphone, tablet or PC. The principle behind it? Knowledge is power!

For operators, an overview of all operating and process data of their shredder in real time is a definite bonus. The data from the UNTHA GENIUS database – the machine’s “brain” – is fully transparent, ensures a high level of plant availability and enables you to correct deviations, increase productivity and lower costs. UNTHA GENIUS is where the machine data registered by the sensors all comes together, to be processed and visually displayed via a dashboard in the “MyUNTHA” customer portal. This means that users may monitor and analyse over 100 operating and process data streams directly from their desk. The most important features of UNTHA GENIUS are summarised below:

Condition Monitoring

Unplanned downtime and costly production outages are tedious and cost time and money. With Condition Monitoring, process-relevant data is monitored automatically. Deviations and risks are recognised immediately, enabling rapid process interventions. Alerts and events appear directly on the user’s end device as a push notification. This way, machine operators may react and solve the problem immediately, preventing downtime or at least reducing it to a minimum. A real bonus for operators of UNTHA shredders!

Predictive Maintenance

Condition-based maintenance instead of reactive maintenance is key to optimising maintenance and repair schedules. UNTHA GENIUS notifies users in good time of upcoming service calls. In this way, spare parts with long delivery times may be ordered early and in-house stock levels are kept as low as possible, saving operators actual cash.

Analysis and data for statistical purposes

Sensors do not just monitor the current state of the machine, but also process-critical components and important operating material. The liquid analysis, for instance, helps UNTHA GENIUS determine current fill levels as well as quality and temperature of liquids such as hydraulic fluid and coolant. The intelligent condition monitoring system provides detailed data on cooling water temperature, motor temperature, oil temperature, electricity, energy and efficiency measurements, energy costs, degree of efficiency of each aggregate, network quality, automated alerts if threshold values are exceeded, and data on the

real power of the machine. This data is recorded and may be consulted for analytical and statistical purposes at any time. This means that both the machine and the plant can be tailored to different input materials and the productivity of the plant may be optimised.

UNTHA GENIUS for any requirements

Depending on users' specific requirements, they may choose between the UNTHA GENIUS Starter, Advanced and Enterprise package. These may be fine-tuned to reflect the individual needs and analytical requirements of the company in question. Whatever your business needs, we have the UNTHA GENIUS package available that caters for your requirements. Following the one-off registration on our "MYUNTHA" customer portal, the condition monitoring system is ready to use. For 50 years, UNTHA has been synonymous with reliable shredding technology. Just in time for UNTHA's anniversary, the company headquartered in Kuchl bei Salzburg has bridged the gap between being a long-standing, reliable brand and an innovative pioneer with UNTHA GENIUS.

UNTHA shredding technology

Reliable shredding technology that goes back more than 50 years!

UNTHA shredding technology develops and manufactures customised, reliable shredding systems that are used in a wide range of applications, from material recycling to processing of residual and waste wood and the reprocessing of waste to produce alternative fuels. In this way, the company makes an important contribution towards the conservation of resources and the sustainable processing and reduction of waste.

The company was founded in 1970 and is headquartered in Kuchl near Salzburg. UNTHA has more than 300 highly qualified employees and a worldwide sales network that spans 40 countries on all continents, placing it among the world's leading manufacturers in this growing, future-orientated industry.

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