

20 YEARS AT HAAS

„Since 2015, Sascha Kloft has been working with me as the second managing director at HAAS. Our different experiences and the generation gap resulted in a good mix for the company and for our product range. Particularly in mobile technology, a number of things have changed with us.



„Volker Haas realised his own dream with the company and today HAAS offers more than 90 employees a reliable job with a secure future in the Westerwald region.

After graduating in 2001, it made me proud to work in my stepfather's family business. In international sales at HAAS,

HAAS made an international name for itself as a plant supplier for waste wood shredding back in the early 90s. Over the years, we have developed the company from a specialist for stationary waste wood plant components to a wide range of industry suppliers for machines for processing waste and refuse derived fuels, PVC and plastics, roots, green waste and many other materials.

I would like to sincerely thank Sascha Kloft for 20 years of working together. I look forward to the future together and to a good management succession in the future.“

Volker Haas, 

Managing director HAAS Recycling-Systems

I got to know numerous customers and cultures and many of these old business relationships are still active today and have an impact on our company as well as the products.

After 20 years at HAAS, I gladly look back on the time we have spent together so far, in which Volker Haas has always supported me. I look forward to the challenges and developments that still lie ahead of us. We all have numerous ideas that we would like to realize and optimize together with our customers.“

Sascha Kloft, 

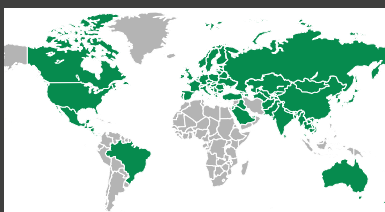
Managing Director HAAS Recycling-Systems

2021 YEAR IN REVIEW

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HAAS INNOVATION

TYRON hybrid

The popular pre-shredder with the Viking, the HAAS TYRON is the ideal solution for shredding and reducing the volume of a wide variety of materials, such as household, bulky and commercial waste, waste wood, biomass, root stumps, paper rolls, railway sleepers, mattresses and demolition / construction waste. The TYRON convinces with outstanding throughput rates, its high reliability and flexibility!

On the path to climate neutrality, alternatives to the previously diesel-powered machines are required in the waste management and recycling industry. This demand is answered by the new hybrid version of the HAAS TYRON, a mobile, electric version. This innovative new development combines the flexibility of a mobile machine with the energy efficiency of a stationary unit. A 220kW electric motor replaces the combustion engine. A supplementary small 43kW diesel engine is used exclusively to operate the tracks.

For the shredding process, the hybrid-TYRON is connected to the mains via a convenient 3-phase quick connector. The electric motor offers a clear advantage in energy savings, not least thanks to its high efficiency compared to the diesel engine. With consistently high throughput rates, energy costs of up to 70 % can be saved compared to diesel-hydraulic drive versions!



HAAS
Trackingportal



XL-Power
Upgrade



POWERFUL & EFFICIENT:

- No exhaust emissions during operation.
- High energy efficiency.
- Low energy costs, minimal maintenance.
- Significant CO2 reduction.



Connection system

- Userfriendly connection to the mains.



The TYRON hybrid combines all the functions and advantages of the diesel-driven TYRON

When developing the hybrid machine, it was important to the HAAS design engineers that the shredding performance and reliability, compared to the diesel-powered TYRON, were not compromised! Apart from the use of an electric motor, the hybrid TYRON impresses with all the strengths and advantages of the diesel-powered version.

- aggressive material infeed
- no wrappings – self-cleaning
- high throughput capacity of up to 100 t/h
- high manoeuvrability
- service- und maintenance-friendly
- shreds different materials with just one tool configuration

Strong sales network!

At HAAS high-quality and first-class service are our priority. Therefore, we are available to you worldwide with our more than 20 HAAS sales partners for professional advice and after-sales service. We would like to introduce three new sales partners to you.

For North America – VAN DYK!

VAN DYK Recycling Solutions is a leading designer, consultant, and supplier of world-class recycling systems for the North American waste processor and recycler.

VAN DYKs turnkey service fully equips with conception and design, installation performed by our own expert team, and hands-on training. Customer support is unmatched in the industry as we provide 24/7 service for the lifetime of all equipment installed.

In British Columbia, Canada we have already jointly implemented a waste wood processing plant with a capacity of 30 t/h for ECOWASTE Ltd. The first mobile HAAS TYRON 2000 XL 2.0 primary shredder is already in operation. Interested customers in North America will be able to convince themselves of the technology “Made in Germany” during a live demonstration.



For South Africa – Forestry!

Forestry Plant and Equipment is a family owned business based in Nelspruit. As a small plant rental business, they have been involved in the forestry since 1999. In 2005 they took on the challenge of harvesting with the intention of mechanising the forestry industry.

In recent years, Forestry has taken the opportunities to grow and transform into a diversified forestry specialist company. They proudly represent companies such as Waratah, Peterson and SEM. Now Forestry Plant and Equipment in South Africa is also available as a representative and contact for HAAS products.

The aim is to become the market leader for forestry machinery in South Africa. Therefore they attach great importance to:

- top quality parts and equipment
- high-quality equipment and best service
- innovations and mechanisation
- inspiring and implementing solutions for the industry
- creating values and making a difference



Strong sales network!

For Australia – CEMAC!

CEMAC technologies is a leading supplier of recycling and resource recovery machines and the related engineering experience to the Australian and New Zealand Markets.

CEMAC technologies supplies the waste and recycling industry with proven processing and decontamination solutions for the Circular Economy.

- Crushing / shredding
- screening
- wind sifting
- sensor based sorting
- plastics recycling into high grade products
- baling
- etc



Highlights



TGMM

Técnicas de Gestión y Maquinaria Medioambiental, S.L.

A highlight at the Expobio-masa 2021 was the HAAS TYRON 2000 XL 2.0 BLACK EDITION with special decals. The special design of the machine „20 years online“ represents the two decades of „unoreciclaje.com“ the web-site of TGMM - Técnicas de Gestión y Maquinaria Medioambiental SL. xy (owner of TGMM) and Gaspar Fullana Martí (Managing Director of TGMM) received the primary shredder right on time for the fair.



The 100th TYRON in the UK and Ireland and the 10th in Scotland.

Binn Group has been dealing with CRJ for many years and has always been extremely happy with the service levels we receive. The reliability and performance of the first HAAS TYRON convinced them to stay with the HAAS brand.

Binn Group celebrated its 20th anniversary with the purchase of a new HAAS TYRON.





TYRON 2000 XL 2.0 for Korea

Another HAAS TYRON was commissioned in Korea.

The end customer ESG is a repeat offender. It is its second primary shredder from HAAS. Industrial and household waste is shredded to a size of <300 mm. It is used as refuse-derived fuel (RDF) in the company's own power plant. The TYRON is equipped with 7/7 tool carriers and in each case 4 tools and a powerful 400 hp engine.

A Viking on the Azores!

Facil Inova Lda was founded in 1959 as a small family business. Today, the company is divided into different divisions. Facil Industry includes the sale of machines for resource-saving recycling, earthmoving and cargo handling.

The TYRON 2000 XL 2.0 is equipped with a 7/7-4 tool configuration and will be shredding waste wood and MSW in the future on the Atlantic archipelago.



TYRON 2500 2.0 mobile, equipped with a NEBOLEX system. The misting technology binds the dust in the feed hopper, at the material discharge and at the top of the discharge conveyor.



The TYRON 2500-E 2.0 stationary, convinces with additional hopper extensions and maintenance friendly access.

Sustainable energy generation

The biomass CHP plants BHKW Flohr and BHKW Buchen, members of the Federal Association of Waste Wood Processors and Recyclers (BAV), have been relying on HAAS shredding technology for about 8 years.

The BHKW Flohr is the largest CHP plant for the generation of bioenergy in the state of Rheinland-Pfalz. Annually, 102,000 tonnes of steam (sufficient for approx. 4,500 homes) and 47,000 megawatt hours of electricity (supplying 11,750 homes) are generated.

Since 2019, the Buchen CHP plant in the Odenwald is also belonging to the Flohr Group. The electricity generated at the Buchen biomass CHP plant is fed into the EnBW grid. The amount of electricity generated annually is sufficient to supply approximately 15,500 homes with electricity.

In order to be able to process the biomass -waste wood of categories A I-A IV- for energy recovery, it has to be shredded. The wood, which is pre-shredded to >300mm, is then incinerated at a temperature of over 850 °C. Flohr has been using HAAS technology since 2013.

To ensure that the two CHP plants are supplied with fuel around the clock, two TYRON 2500 2.0 units do their job reliably. To ensure this reliability on a continuous basis, a full-service contract has been signed for both machines, which guarantees operational reliability at fixed costs. This is a service package tailored precisely to the customer's requirements - from recurring machine inspections to preventive maintenance and repair agreements.



Solvay and AVG - 60 tonnes of waste wood per hour

The Rheinberger Solvay plant produces soda and sodium bicarbonate. Products from Rheinberg are used for example for glass, solar panels, laundry detergents and baking powder. Solvay is rarely mentioned anywhere, but it's in almost everything!

The Solvay plant in Rheinberg significantly reduces CO₂ emissions by around 190,000 tonnes per year. To achieve this goal, Solvay Chemicals is building a power plant to generate process steam and electricity using waste wood as fuel. Each year around 300,000 tonnes of waste wood will be used to generate energy in the power plant.

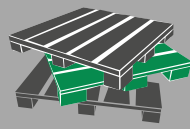
Within a radius of 150 km certified disposal companies collect the waste wood and supply it to the power plant. AVG Baustoffe Goch GmbH is responsible for processing the waste wood into high-quality biofuel.

The waste wood of the classes A I to A IV is first pre-shredded with the largest HAAS pre-shredder, a TYRON 2500-E. The wood is then processed by a hammermill, ARTHOS 2000-E, equipped with two powerful 315 kW electric motors to produce recycling chips < 100 mm.

To ensure optimum cleaning and screening of the wood chips, the material flow is distributed over two lines. Powerful neodymium magnetic separators, magnetic drums and eddy current separators remove the remaining impurities such as nails, screws or staples from the wood

The cleaned biofuel is finally separated into three fractions with HAAS flat screens. (usable fraction, fine fraction and the over-size).





HAAS plant technology



CUP - 30 tonnes of waste wood per hour

Up to 60,000 t of waste wood per year are processed in the new plant of CUP Recycling GmbH in Goldbach. In our new video, we present the plant and Ralf Berninger (technical operations manager) provides insights from the customer's point of view.

„It was perfect timing from HAAS. We at CUP were just starting the project planning for the new waste wood recycling plant when HAAS introduced itself to us.

In advance, we visited a couple of already installed HAAS systems and were able to personally convince ourselves of the performance of the systems.

Already at that time, we have been impressed by the compact design and the construction of the conveyor belts and chain conveyors. The performance of the systems was outstanding. The overall package from HAAS convinced us!

We feel very comfortable with HAAS and maintain a cooperative business relationship.“

Ralf Berninger (Technical Operations Manager at WERNER RC GmbH & Co. Recycling Centrum KG)



Also available as video incl. customer interview!
<https://youtu.be/2FQnDlpRGB8>

2022 Exhibition outlook



IFAT

30.05. - 03.06.2022

The gates of IFAT will open again in 2022! We are looking forward to welcoming you at our booth. Let's talk, share information and see our new mobile starscreen ALVA in action during the live demonstration at the VDMA Practice Days.



Recycling Technik

22. and 23.06.2022

We look forward to your visit in Dortmund. We will be happy to provide you with tickets - please feel free to contact us.

<https://haas-recycling.de/en/>