



# HAAS RECYCLING NEWSLETTER

Issue 11-2016

## INDEX

- **Arba**  
Growth impulse customer focus and customer satisfaction
- **Bausch Ravensburg**  
A Viking for Lake Constance
- **Reterra Moers**  
A HAAS TYRON with some features for Moers
- **ES Sejong**  
Arrival of the first HAAS TYRON in South Korea
- **Shread Tech**  
A viking conquers Canada  
- the first HAAS TYRON 2000 XL 2.0 in Shred-Tech Design
- **Job application Tyron**  
Shredding specialist looking for permanent job
- **Trade fairs**  
Pollutec, Conexpo, Recycling Aktiv, Ligna

## Growth impulse customer focus and customer satisfaction



Sorting and recycling waste wood are the core competences of ARBA AG. In June 2016 HAAS delivered a complete HAAS recycling plant to ARBA at MuttENZ/ Switzerland for the processing of waste wood into high quality chips.

Markus Meier, Managing Director of ARBA, explicitly thanked Volker HAAS for the good and pleasant collaboration, right from the construction phase up to the commissioning and turnkey handover.

The plant starts with the long-proven primary shredder Tyron 2000 E, pre-shredding the waste wood into an edge length of approximately 0 - 300 mm. After the primary shredder a belt conveyor transports the material to a heavy electric magnet which separates the released ferrous parts from the pre-shredded waste wood. A belt conveyor now transports the pre-shredded and pre-cleaned waste wood to the heart of the plant, a HAAS hammermill with vertical infeed, which grinds the material into high quality chips. The tried and tested technology for the secondary shredding of biomass, waste wood, RDF, as well as plastic and PVC has consistently been developed further. Foreign bodies, such as hard plastic, ferrous -/ or non-ferrous material, etc., which can be transported into the hammermill together with the waste wood, in the past had to be removed manually in a very time consuming manner. Time is money; the HAAS constructors thought and started their work. The result: foreign bodies are now being separated automatically by the newly developed ballistic chute.



The system has proved its worth and works not only for ARBA, but since many thousands of hours in plants at Remondis and Zollikofer. This tried and tested system results in high endurance and longevity of the tools and screens – down times are minimized, costs are reduced!



## Growth impulse customer focus and customer satisfaction



The processed chips are transported by a chain conveyor to another overband magnet, followed by an ECS, i.e. the ferrous and non-ferrous parts released in the hammermill are removed from the wood material flow. The chips, freed from foreign bodies, are fed into the following large flat screen, Type HPS 125. This screen separates the processed high quality chips into different fractions, such as 0-10, 10-30, 30-80 and > 80 mm, for example.

A belt conveyor returns oversizes back to the hammermill. The various wood fractions are transported by a chain conveyor to the customer's storage boxes, where a distribution system spreads the chips evenly into the box in order to achieve the highest possible storage capacity.



By ordering this waste wood processing plant "turnkey" - from planning through production to the commissioning and hand over, all in one hand by HAAS - ARBA decided on a very complex but flexible complete installation.

Now ARBA is able to respond to any market situation. Should demands on the wood market change, by an easy and quick change of the screen decks in the flat screen and/or the screen basket of the hammermill, different chip sizes can be produced.

Innovation and technical leadership, united in this installation technology, set the benchmark on highest quality for the processing of waste wood into recycled chips in Switzerland.

The complete plant was approved with commendation to HAAS by SUVA, who praised the heeding to all safety aspects from the beginning on, resulting in a complaint-free final inspection.

The implementation according to the state of the art technology in close collaboration with customers and public authorities particularly distinguishes HAAS.





## A Viking for Lake Constance



During the international recycling fair IFAT, the machine was handed over ceremonially to one of the leading companies in the removal sector, company Bausch GmbH in Ravensburg. Bausch processes and recycles household and domestic waste, as well as industrial waste. Special attention is paid to the processing of scrap and aluminum.

The Haas Tyron is perfect for the shredding of various materials, the “intelligent twin-shaft system”, which can be adjusted material-dependent in shaft speed, direction and reversible times and individually programmed by the customer, makes it an all-rounder.

“The Tyron shredder convinces with its throughput, robustness, as well as reliability and ease of maintenance and service”, explains Hashim Kameri, Factory Manager.

## A HAAS TYRON with some features for Moers

Since more than 20 years, RETERRA is dedicated to successfully support companies, communities and residents with a wide range of products and services in the recycling of organic waste and the production of alternative energy sources.

As early as 2007, HAAS built the first waste wood recycling installation with a throughput of 30-35 t/h in Moers.

After successfully converting the hammermill into a vertical hammermill, Type HSZ-V with ballistic chute and easy screen change last year, now also the existing mobile primary shredder was replaced by a Tyron 2000 E XL with separate power pack and a new high performance electro overband magnet. Another feature includes transporting the pre-shredded material behind the magnet directly to a stock pile with a reversible belt conveyor.



## Arrival of the first HAAS TYRON in South Korea



In June 2016, along with our Korean distributor MINCHANG ENGINEERING & TRADING CO. LTD., HAAS implemented a TYRON 2000 XL at „ES-Sejong“ in South Korea.

Beside a refuse incineration plant, ES Sejong operates one of the largest recycling installations for C&D waste, waste wood, industrial- and domestic waste in South Korea.

They decided on the HAAS TYRON because of its excellent performance with especially problematic material, such as textile- and plastic coils, fisher nets and plastic films. The enormous efficiency and manifold applications convinced the Koreans!

# A viking conquers Canada

## - the first HAAS TYRON 2000 XL 2.0 in Shred-Tech Design!

The name Shred-Tech® has long been synonymous with confidential document shredding; the concept of mobile destruction of documents and data with the unique Shred-Tech® „Shredding-Trucks” revolutionised the destruction of documents. The Shred-Tech® trucks have been and still are the growth engine of Shred-Tech®. Today Shred-Tech® is the largest „Shredding-Truck” manufacturer in the world. Furthermore Shred-Tech® develops and designs shredding and recycling installations worldwide for metal, plastic, paper, light scrap, hazardous waste, medical- and industrial waste, as well as C&D waste.



Shred-Tech® is the exclusive distributor of HAAS primary shredders and recycling systems in Canada, USA and Australia. HAAS and Shred-Tech® are family-run companies with a very good position in the market, they have an excellent reputation for their innovation and quality. With the HAAS line of products Shred-Tech® closes the gap in their product portfolio and can now provide solutions to almost any shredding and recycling challenge.



In September, the first HAAS TYRON 2000 XL 2.0 in Shred-Tech® colours arrived at its new home in Canada. To give the first HAAS primary shredder a warm welcome, Shred-Tech® invited customers and employees to the „Haastoberfest”. With Bavarian Weisswurst, hearty Schnitzels and German beer, the fierce primary shredder showed itself at its very best. Interested customers brought several containers with all kinds of material and tested the machine thoroughly. In several presentations waste, waste wood and green waste, as well as light – and electronic waste was shredded. The HAAS primary shredder convinced with its aggressive infeed and high throughput performance.



Carsten Schmidt, HAAS Work Shop Manager and Renè Perne, HAAS Sales Manager competently answered questions and explained the machine and its functions in detail. A special feature of all TYRON models is the intelligent 2-shaft system. Depending on the material mix, shaft speed, direction, and reversing times can be adjusted by the customer. Wrapping of wire and long fibre materials is avoided, throughput is maximised. Compared to synchronously running shredders, wear and tear and down times are reduced. The self cleaning process results in low wear and tear costs and high lifetime for the shredding chamber.

The HAAS TYRON is available in 3 sizes and additionally in an XL-version (for extra strong shredding) with unique basic equipment. The customer can choose between the stationary or mobile version (on hydraulic wheel axle, on tracks or trailer). Many additional options are available with which the machines can be equipped individually. It shreds even difficult material without difficulty. Strong performance, aggressive infeed, best quality, highly economic, ease of maintenance and longevity characterise this machine.



## Job application

### Shredding specialist looking for permanent job

I am a multi-purpose, slow speed double shaft primary shredder for the pre-shredding of various materials.

My current responsibilities are consisting of the shredding of domestic-, bulky - and industrial waste, biomass, root stocks, railway sleepers with/without iron plates, as well as construction- and mixed waste.

Flexibility, reliability and the intention to succeed characterize me.

I am especially keen on the processing of difficult materials. My independently driven shafts are my great advantage in comparison to primary shredders with synchronously driven shafts. With intelligent shredding programs for various materials, I free myself from wrappings and clean my shafts at the end of the day.

I would very much appreciate an invitation to meet you in person.

I am also at your disposal for a trial presentation.

Contact: HAAS Tyron, Unter den Weiden 6, 56472 Dreisbach / Germany, Telephone: +49 2661 9865-0,  
E-mail: [info@haas-recycling.de](mailto:info@haas-recycling.de)



## Trade fairs

**POLLUTEC**  
2016

29. Nov. – 2. Dec. 2016  
Lyon, France



7. – 11. March 2017  
Las Vegas, USA

**recycling**  
*aktiv!*

27. – 29. April 2017  
Karlsruhe, Germany

**LIGNA**

22. – 26. May 2017  
Hannover, Germany