



HAAS RECYCLING

# NEWSLETTER

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## Successful Live Demo TYRON & ARTHOS fascinate in MuttENZ!

A few weeks ago, the machine park in MuttENZ has been expanded by a mobile TYRON 2000 XL 2.0 and a new mobile Hammermill ARTHOS 1600 on tracks. Now 270 tons of waste wood are pre- and secondary shredded there every day.

On 21st March customers and interested parties accepted the invitation of RE-Center and HAAS and took the opportunity to let themselves be convinced with the great HAAS-machinery combination in live operation! Pleasant temperatures and bright sunshine ensured a successful day.



Ballistic chute

The Live Demonstration started with the shredding of tires of the TYRON.



Impurity

Following, the new mobile line, consisting of the TYRON primary shredder and the ARTHOS secondary shredder, effortlessly processed mixed waste wood, as well as pallets and shuttering panels.

The TYRON pre-shredded the material down to approx. 0-300 mm. The ARTHOS 1600 secondary shredder is equipped with an 80 mm screen basket and reduces the end product in the second step down to a chip size of approx. 0-80 mm.

TYRON, ARTHOS, GLADIATOR



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Depending on the infeed material and the required end product, other screen sizes such as 30-150 mm can be used.

Especially impressive for the customers was the ballistic chute specially developed by HAAS, which automatically removes impurities.

Particularly for the live demonstrations, the HAAS Duo became a trio! The mobile ferrous and non-ferrous separator GLADIATOR provided by HAAS completed the waste wood processing line. The homogeneous and high-quality end product with minimal fines, cleaned of ferrous and non-ferrous metals convinced the visitors.

Large roots came up as the next challenge for the mobile team. The HAAS TYRON impresses due to its special shredding program with a trouble-free shredding. With the ARTHOS, the pre-shredded material was secondary-shredded down to a size of 0-80 mm.

After a rich catering, a traditional Swiss "Apéro" provided from the Re-Center team, the shredding of bulky and industrial waste as well as PVC window and door frames started. The mobile HAAS Trio convinced the expert audience in terms of quality and throughput here too. The PVC profiles are processed into a high-quality secondary raw material, the bulky and industrial waste into a homogeneous substitute fuel.

During the shredding demonstrations of the PVC plastic window profiles, the GLADIATOR ensured a clean separation of PVC from ferrous and non-ferrous metals (see pictures on the right).



Material transfer ARTHOS->GLADIATOR

At the end of the demos, the visitors got the possibility to get a better view inside the technology. The hydraulically opened screen basket of the ARTHOS built the focus of interest.

The HAAS-sales team, consisting of Steffen Heymann (sales field representative for Switzerland), René Perne (sales manager) and Sebastian Alhäuser (head of service & spare parts), informed directly on-site about the machinery and provided information on all open questions.

We thank Re-Center Muttentz AG for this successful day!



## For the third time a HAAS TYRON was chosen!



Since the foundation in the year 1978 the company of Kurt and Beate Wrensch has grown constantly. Today the family owned company is specialized in waste handling, C+D waste collection and recycling as well as separating and disposal of every kind of waste.

In December 2014 Bianka and Heiko Wrensch have taken over the business of the family company.

Already in 2010 the first HAAS TYRON 1500 with a capacity of 20-25 t/h was put into operation in Golzow. After 2 years the time for a new and bigger Shredder generation has come – TYRON 2000.

Its main area is shredding waste.

In October 2018 the machine park has been upgraded. Here the decision was made on the Pre-Shredder from HAAS again. A TYRON 2000 XL 2.0 on track has been delivered.



# Increased efficiency thanks to ideal combination of Slow Speed Shredder TYRON & HAAS Starscreen HSS 6000



TYRON 2000 XL 2.0 & HSS 6000

The screening machine HSS 6000 with two fractions is the optimal complement to our TYRON and is part of our HAAS product range since 2018. The screening machine with an enormous achievement for a large range of applications has been introduced to the international sales network and could be tested extensively.

HAAS-customers and interested IFAT-exhibition visitors were able to gain an impression during the Live-Demonstration at the VDMA-practice days.

The Starscreen HSS 6000 is perfectly suitable for the screening of pre-shredded biomass out of green waste, roots or waste wood and provides a large range of applications at minimum operating costs. Through the outfeed belt conveyor of the slow speed shredder the pre-shredded material is transported to the screening surface with approx. 7,4 m<sup>2</sup>.

The separation of a defined operation fraction (grain sizes: 20-40 / 60-80 / 100-120 mm) is executed at the same time as the over lengths are returned to the Slow Speed Shredder. With the TYRON pre-shredder and the HAAS star screen, a fraction of 0 - 80/100 mm can be produced in waste wood and green waste. Here the throughput capacity is up to 250 m<sup>3</sup>.

Thanks to user friendly transport dimensions and low set-up times, the mobile system with hook lift is ready for the use anywhere at any time.



HSS 6000 with tarpaulin

- Determination of the operating fraction due to easy adjustment of rotational speed and / or inclination angle of the screen!
- Central lubrication is available optionally!
- Cleaning by installed compressor incl. pressure air lance!
- The system with robust frame construction is closed by steel doors and truck tarpaulins, which protect against dirt and damages. In addition, it ensures a simple and fast maintenance access.

For smaller screening quantities and limited space conditions the compact HSS 4000 is a suitable option.

For the separation of pre-shredded materials:

- Waste wood
- Roots
- Green waste
- Residual wood
- Railway sleepers
- Pallets
- Paper rolls



HSS 4000



## Upgrade TYRON 2000 XL 2.0 replaces TYRON 1500 2.0

Already 2017 the HAAS TYRON 1500 XL 2.0 convinced Heinemann & Bohmann Oldenburg Entsorgungs GmbH & Co. KG during an extensive test phase of its enormous performance. The solid execution, the machine capacity and the flexibility regarding the different materials (waste wood, waste) have led to the purchase decision.

Within the last 1,5 years the recycling volume of Bohmann has increased. The experience and the enthusiasm for the HAAS TYRON made the decision to the more powerful model, the TYRON 2000 XL 2.0. Since February 2019 the new TYRON is in continuous operation.



*„The order for a long-term waste disposal contract has induced us to procure a larger TYRON within a short period of time. So far, we are highly satisfied with the TYRON's throughput. We particularly like the fact that it has no problems whatsoever with the shredding of difficult materials such as mattresses..“*  
Ingo Helmers, Managing Director Bohmann-Group

**VERWERTUNGSPARK**  
TROISDORF GMBH & CO. KG



## TYRON - various infeed possibilities

Due to the new industrial waste decree AKS Verwertungspark Troisdorf GmbH & Co. KG invested in a corresponding sorting plant. For the purpose of pre-shredding the HAAS TYRON 1500 2.0 has been installed.

AKS Verwertungspark Troisdorf has tested several machines. The HAAS TYRON convinced with excellent output material at the processing of different infeed materials, e.g. industrial waste, mixed construction waste and waste wood.

Customized shredding programs can be called up at the push of a button and ensure the required results without any difficulties.



## TYRON - completes the existing sorting plant

A. Siemer Entsorgungs-GmbH had to add a pre-shredder into their existing sorting plant due to the new industrial waste decree.

The HAAS TYRON 1500 XL 2.0 proved a further time that even in case of difficult input materials excellent output materials can be expected.

Since January 2019 the TYRON at Siemer GmbH provides a reliable service!



## E-MAX presents an innovative new solution

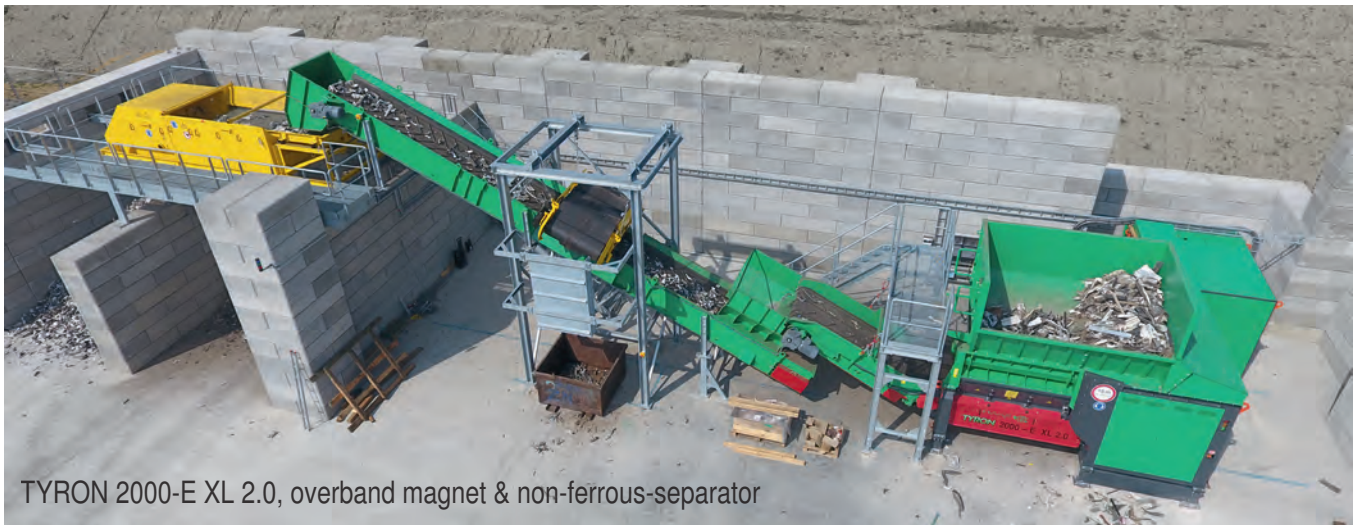
The HAAS TYRON 2000-E XL is able to shred isolated profiles of most different forms, so they can be recycled to new profiles.

After several successful tests the enormous advantages of HAAS-Shredding Systems became apparent. These include especially the individually adjustable shredding programs in connection with the independent reversion opportunities of the TYRON shafts. Especially in the challenging application with aluminum profiles, the HAAS TYRON convinces with its solid construction.

To E-MAX it is important to adapt the existing recycling process to the steady innovations of sustainable technologies. The combination of TYRON and the connected non-ferrous-separator is a smart processing for E-MAX.

New high-quality aluminum profiles can be produced out of used aluminum plastic composite profiles.

The material properties remain unchanged during this process.



TYRON 2000-E XL 2.0, overband magnet & non-ferrous-separator

## 30 years HAAS! From tradition to innovation



Volker Haas

1989 Mr. Volker Haas laid the foundation stone for today's HAAS GmbH. On the way from the double garage of yore up to today's company premises on 8,5 hectare several ideas and projects have paved the way.

Everything has begun with the construction and production of stationary machines for saw mills and wood industry.

Nowadays HAAS Recycling-Systems is a globally recognized specialist of mobile machinery and complex plants of the recycling sector with more than 80 employees.

We look back to 30 years of business successes and will celebrate this from 12th to 14th September 2019!

**HAAS** 30 years  
Recycling-Systems



# HAAS sales team - We are looking forward to your inquiries!

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Asia	New Zealand
Australia	Norway
Denmark	Poland
Finland	Sweden
Greece	South America
India	Thailand
Island	USA
Japan	Vietnam
Kazakhstan	

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Bosnia and Herzegovina	Romania
Bulgaria	Serbia
France	UK + Ireland
Canada	USA
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