

BOOM

Information for customers, distributors, staff and friends

Edition June 2019



SENNEBOGEN



Cover:
A nocturnal view of the
„Green Heart of bauma“
2019



Back cover:
The view upwards - not only
our machines and booms
are oriented there. After
a successful bauma, the
whole company is looking
skywards.



A man in a grey suit and green tie stands in front of a green Sennebogen trade fair stand. The stand features the company name 'SENNEBOGEN' and a large green crane arm. The background is a blurred industrial setting.

Dear customers, sales partners, employees & friends,

bauma 2019 was spectacular and lots of new records were set. We really contributed to this at the SENNEBOGEN stand, with an increase of around 35 % compared with 2016 we were significantly above the average. How did we measure this?

There were lots of different things that demonstrated this increase. Firstly and obviously, trade fair contacts, the number of shuttle bus rides and factory tours in Straubing, the consumption of meals and drinks, not forgetting orders too...

We are delighted by this wonderful result and would like to thank all our customers and partners for this entertaining week at our trade fair stand in Munich. This edition contains a colorful cross-section of photos of BOOMS which evoke vivid memories.

Now, we need to get on with processing the technical and commercial requests from customers and interested parties. We can assure you that the whole company will work diligently to ensure maximum customer satisfaction. That is how it was in our grandfather's day, that is how it was in our father's and uncle's day and that is how we work in this the 3rd generation - continuity and stability continue to be permanent corporate values.

With this in mind...

Sebastian & Anton Sennebogen

SENNEBOGEN

at the **bauma 2019**



SENNEBOGEN WAS AGAIN THE GREEN HEART OF BAUMA

The figures for bauma, the largest world trade fair in Munich, are impressive. For one week, 3,700 exhibitors from 63 countries presented the innovations of the construction industry to 620,000 visitors. As one of the first exhibitors SENNEBOGEN has been with bauma without interruption since 1959 and in 2019 celebrated the 60th anniversary of bauma as the „Green Heart of bauma“.

Never before has bauma been so big, never before have customers from all over the world been so international and this is one of the reasons why Managing Director Erich Sennebogen speaks of the „most successful trade fair of all time“ for the Straubing-based family business. In a central location on the open-air grounds, over 2,200 m² of exhibition space were used for a week. a total of 11 exhibits ranging from small telehandlers to large duty cycle cranes.

More than 200 stand personnel at SENNEBOGEN employees and dealers answered the visitors' questions. Among them was **Minister of Economic Affairs Hubert Aiwanger**, who was particularly interested in the challenges facing Bavarian companies, including major topics such as the shortage of skilled workers, digitalisation and internationalisation, one of the most important sectors in the state. In a personal conversation with the managing directors Erich and Walter Sennebogen, the great development of the Straubing-based company was also discussed. After all, SENNEBOGEN has always been represented at bauma since 1959.

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- 60 years bauma anniversary
- 8 weeks construction
- 3 weeks dismantling
- 10,000 customers served
- 11 machine exhibits
- 200 persons stand personnel
- customers from 60 countries
- 80 dealers worldwide
- 200 barrels of beer
- 54 truck transports





Experience SENNEBOGEN:
Right in the green heart of bauma,
the SENNEBOGEN stand was the
meeting place for the construction
machinery industry worldwide.



SENEBOGEN

at the **bauma 2019**

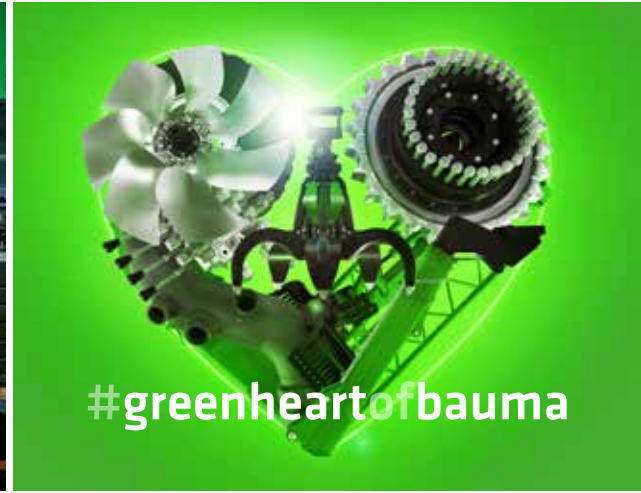
A gigantic, logistical masterpiece that is becoming more and more demanding every time with ever larger machines, more and more visitors and the industry's rising expectations. It had been planned for more than two years, as Marketing Director Michael Ibarth explains. The 11 exhibits had been set up in Munich for eight weeks. 54 truck transports had rolled from Straubing to Munich in order to entertain thousands of customers on site, to provide them with the specialist information or simply to get them enthusiastic about the machines made in Bavaria. «





The big SENNEBOGEN family:
During the bauma, SENNEBOGEN
becomes an extended family with
80 dealers from all over the world,
customers and friends. Experience
technology together, do business
and celebrate, thank you for that!





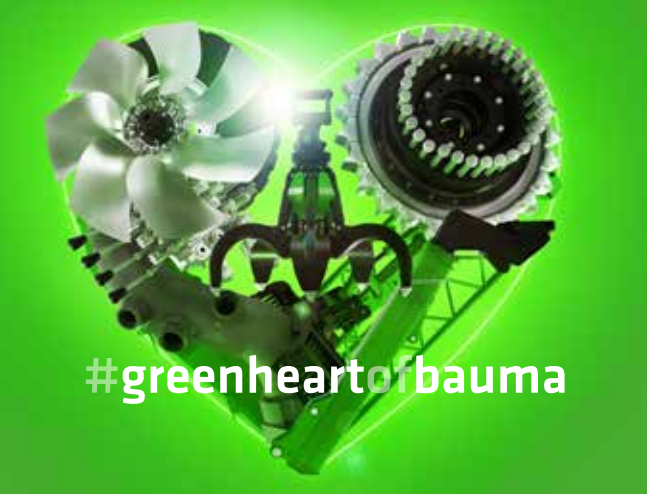


More experience is not possible: Whether it's a quick-drawing artist, a stand party or a group picture. For every guest, there was also something on offer in addition to the machines.













Machine handovers at the **bauma 2019**



Customers worldwide rely on SENNEBOGEN

Like no other trade fair, bauma is a meeting place for doing business. Successful machine sales at SENNEBOGEN are traditionally sealed with the symbolic handover of keys.

Our pictures show a selection of machine handovers to customers worldwide. We are already looking forward to seeing the machines soon in successful operation in a wide variety of application areas. «





Heavy transport

„Abenteuer Leben“ is the name of a reality format that the German TV station Kabel 1 regularly produces, portraying exciting everyday situations. A camera team accompanied the heavy transport of our telescopic crawler crane 6133 E from Straubing to Munich.

With a length of 31 m and a width of 3.95 m, the heavy transport was already a challenge, as the machine was transported in one piece with attached crawler tracks. Special bottlenecks were a roundabout just before the B20 federal road, several construction sites around Munich and finally the narrow access roads on the bauma site. Under the supervision of the film team, however, all difficulties were overcome and the crane was positioned with centimetre precision on the exhibition area.

Many thanks for the support to our long-time transport partner Meier Kran! «



to bauma on TV



abenteuer
leben
AM SONNTAG



THA

See you in 2022.





NKS

200 persons stand personnel -
80 dealers from 60 countries - 1 team!



Thorsten Resch
Managing Director

„We want to stay flexible and keep growing...“

Interview with Thorsten Resch

You have been manufacturing here at the Straubing works 2 since 2008. How was it launched and what has changed since then?

Actually, a lot has changed in the almost 11 years that we have been at this location. Not only have we significantly increased the number of employees, but our product range has expanded considerably too. Back then the 880 EQ and the 180 ton 5500 were our biggest machines – today we have the world's largest material handler, the 895 E with an operating weight of 420 t and lots of other big machines, showing we have grown substantially.

Just a comparison of aerial photographs from then and now shows how much the site has changed visually. We are bigger than ever now with the academy, testing area and the new finishing building. Meanwhile, loading and assembly is done at the pickup point with a 5500 crawler gantry crane and a 7700 crawler crane. But that's not all. We are currently investing in an additional uninsulated warehouse for incoming goods and we already have more ideas for the future.

From a practical point of view, the increase in the size of the machines and the number of employees could be felt quite quickly in the fact that we needed to expand the car parking space, and, compared with previously, it sometimes feels a bit like an anthill here.

As Managing Director and overall Production Manager, you have a wide range of responsibilities. How do you manage that?

To many people, the tasks involved with being a managing director are not always obvious, at least initially. So, I will briefly summarize my key responsibilities. As well as overall production management,

I am responsible for materials management, procurement, logistics, strategic and operational purchasing, quality assurance, right through to things like investment planning, customs and international trade. It is only possible to be in control of all that with a highly motivated, finely tuned team on board – I want to make that abundantly clear.

The key responsibility is production, where, with support from Wackersdorf, we are already working on implementing flow production for small material handlers and telescopic cranes – a huge challenge, which has primarily been taken on by our new production manager, Mr Söldner, and his team.

In addition to production, I am involved in numerous strategic projects, starting with purchasing, which needs input every day, through to optimizing the delivery performance of our suppliers, and customer satisfaction, which is not just a top priority for quality assurance, right through to material management. Furthermore, I am also responsible for exports, a tricky area, as it involves taking personal responsibility for delivering our products in a lawful way all around the world.

Talking about globally: As managing director of the TLC plant in Hungary, I have a lively exchange with Balatonfüred every day – so things are anything but boring.

But I would also like to stress here that I operate an open door policy. Any employee can come and see me at pretty much any time if they have a problem or need advice. For me the answer is very simple. I try to be as close as possible to my employees and the things that happen.

Following the successful time at bauma, our order books are full and customers will be expecting their deliveries. What does this mean for production? How do the SENNEBOGEN plants work together?

Yes, bauma was a great success for the SENNEBOGEN Group. Incidentally, in addition to the Munich trade fair, we have also managed 250 customers through our ongoing production. All in all, a great team effort from all employees.

We are asking a lot of our people at the moment, I do know that – particularly in terms of their flexibility. They have my utmost respect for their expertise and team spirit! This year we have also transferred the 850/860 range from Wackersdorf to Straubing. With help from colleagues in Wackersdorf and production we are on the right path – more specifically, part of our basic framework has been welded into plant 1 –

We are distinguished by our mix of products, highly motivated teams and our dedication to each customer.

production in the then new finishing building. Looking back today, it is often inconceivable how we did things before. Currently, we are working hard on new assembly facilities that can transport and assemble these heavy components.

For this, we have consistently very well trained employees, almost exclusively from skilled workers upwards. Many of them undertake further training in their spare time – one successful strategy, for example, is in-house hydraulic specialist training. Finally, over recent years technology has developed rapidly. For us, this has meant a huge increase in areas such as electrical systems

and software, not just in development, but also with more employees in production and in commissioning machines.

You often represent the company externally and are in discussion with customers, suppliers and partners. How is SENNEBOGEN perceived, what are our strengths and where do we still have potential?

From many conversations, it is clear that as a company we have built up an excellent reputation. We are seen as an innovation driver. At the same time we remain down-to-earth and stable with organic growth, as is often emphasized by suppliers who naturally also know other companies in our industry.

I personally believe that we are distinguished by our mix of products, highly flexible development and customer-tailored production, as well as highly motivated teams and dedication to each customer. We are seen as an ambitious company. But there are still building sites where we are yet to get stuck in. One issue here is communication between us, our customers and our suppliers, It needs to be quicker and we need to find solutions that satisfy everyone.

With good financial figures, a growing number of employees and continuous expansion, SENNEBOGEN is in a good place. Where are we headed?

It's true, we are in a good place and we have invested



mutual support is the order of the day here too.

The machines are getting bigger, heavier and more expensive. What changes, adjustments or new qualifications does this require?

It is a fact that our portfolio has grown significantly in an upwards direction. This brings new, but not insurmountable obstacles. One of the ways we are reacting, for example, is with new production buildings. In 2017, our biggest balancer 8400, went promptly into

lots, but we mustn't rest on our laurels. We need to keep an eye on the market and our costs, to always be one step ahead of the others. The way I see it "the flexible swallow the fixed." That is the key to our future success. We are expanding further, in Straubing, in Wackersdorf and in Hungary too. Development will continue - let yourself be amazed!

If you had to describe SENNEBOGEN in just one word, what would it be?

"Unique" - in a positive way. Despite our relative size, I think it is crucial that we are a family company with active shareholders, and that we stay that way. We are now in the third generation, growing up in the company and securing employment for 1600 employees. As an executive board we are aware of this responsibility and realize it anew every day. Social commitment loyal to the local area and continuous investment are a matter of course and what make us SENNEBOGEN.

On a more personal level, what is it that means you go home happy and what do you do in your personal time?

Naturally, you go home happy when the majority of the day's goals have been achieved. That doesn't just apply to me, it is important to me that all my employees go home happy.

At home, the most important thing is my family, and peacefulness. A weekly dance evening with my wife is also a firm fixture in the calendar. A nice glass of wine whilst hiking or after a bike ride is a nice way to relax, as is chatting with friends or a good book. I am currently reading "Marc Elsberg: Gier - Wie weit würdest du gehen?" [Greed - how far would you go?] which is well worth a read. It is critical of society and provides lots of food for thought.

„The flexible swallow the fixed“ - That is the key to our future success.



Trainees experience SENNEBOGEN

According to survey results of the German Federal Ministry of Economics and Energy, almost 50 percent of all occupational groups are affected by shortages of skilled workers, particularly in the craft sector and in technical occupations. Due to demographic change, the demand for qualified workers is increasing enormously for companies every year. Supply and demand have become imbalanced, and young people are faced with a changed attitude towards employers; they are often said to have a very low level of commitment to the employer.

At bauma 2019, three young gentlemen, apprentices in their first and third year of apprenticeships at the SENNEBOGEN dealer Gebrüder Willing GmbH in Berlin, convinced everyone of the opposite: their enthusiasm for mechanical engineering, in particular crane technology and large machines, was written all over their faces during their visit.

„After my apprenticeship, I would definitely like to stay with Georg Willing,“ the apprentice Eren Döser replies with a smile when asked about the future plans by Erich Sennebogen. This commitment can be traced back to the consistent support of the Willing apprentices: whether through EU-funded exchange visits to the acquainted SENNEBOGEN dealer AGD Equipment in Great Britain or through the surprise visit to SENNEBOGEN as part of bauma 2019.

„Nowadays, it is indeed necessary to resort to unusual means in order to inspire young people. When one of the big manufacturers calls for them, we, as a smaller 11-man company, are of course often left behind,“ says Georg Willing about the background to his efforts.

„But if we manage to awaken a certain passion for the craft sector and the machines or even the brand, then we have done everything right“.





Great job! 895 E made of LEGO

The fact that almost nothing is impossible at SENNEBOGEN is already proven by the trainees. Why not even build our giants from filigree LEGO bricks, true to detail? With Simon Eisenschink, we even have an expert and passionate „LEGO technic builder“ in our ranks.

The apprentice for precision mechanics made it his task to reproduce our flagship, the 895 E in about 3000 parts, in a fully functional way in painstaking detail work. A result to be proud of - respect!



6133 E



186 kW



130 t



52.2 + 15 m

Big, new, strong - great!

"It is remarkable how our product range grows. The latest telescopic crane is another example of how you can always get that little bit more out. When we brought the 6133 E out a few years ago, many people thought that would be it, no more. But we proved them wrong at bauma. With a load capacity of 130 t and a massive reach of up to 67 m, the new 6133 E dwarfs all our previous telescopic cranes."

"As a designer, I always find it exciting to watch the machine, that until then has only existed on screen, growing step by step. When the first components arrive at the plant, the machine takes shape, it's functions are put through their paces and finally it premieres at the biggest trade fair in the world, that is simply superb!"

Sascha Wanninger,
development telescopic cranes



New 200 t crawler crane starts the G-Series

"We are starting the new G-Series with the tried-and-tested 5500 crawler crane, providing something that many of my customers have asked for time and again. With an increased load capacity of max. 200 t the flexible crane's field of application is once again expanded considerably. Many of my customers rent out cranes and this development has come at just the right time for them. Showing once again that we listen to the market and our customers. At the same time, the 5500 G is just the start for the new G Series of crawler cranes with stage IV engines and our state of the art Maxcabs for even more comfort."

Andreas Geier, Area sales manager Crane Line



5500 G



283 kW



180/200 t



160 kN

Development cooperation between SENNEBOGEN and Bosch Rexroth: the new 735 E Green Efficiency Drive

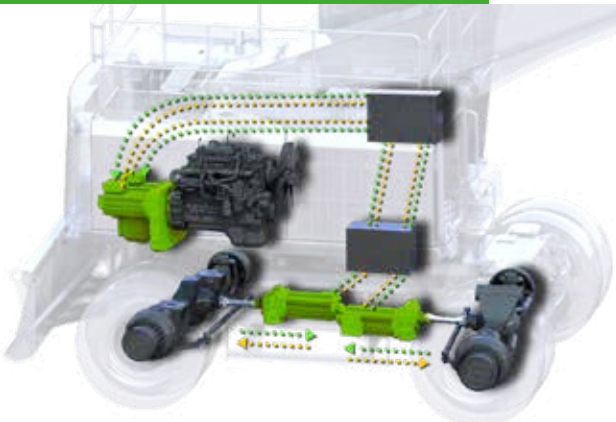


Technical paper

SENNEBOGEN Green Efficiency Drive concept presented at bauma



Current flow from the generator to the electric traction motors, recuperation of braking energy



As the first model in the 7 Series the SENNEBOGEN 735 E prototype was presented at bauma with the so-called Green Efficiency Drive concept. The technical details of the electric drive were presented to customers and interested parties.

ELECTRIC TRAVEL DRIVE FOR MOBILE TIMBER HANDLING MACHINES

In mobile timber handling, the timber industry worldwide relies on the reliable SENNEBOGEN Pick & Carry material handlers - on log yards for logistics activities, at the sorting line or also to feed saw mills. Mobile electrified solutions were not efficiently feasible in the

past due to the long travel distances and continuous operation of the machines. Until now, only applications in the field of stationary timber manipulation were common.

735E



231 kW



43.9 t



11.3 m

MOBILE ELECTRIFICATION: UP TO 30% MORE EFFICIENCY THANKS TO ELECTRIC TRAVEL DRIVE

With the new concept all work processes continue to operate hydraulically, driven by an efficient Stage 5 diesel engine, while the undercarriage drive has been electrified: Especially when using Pick & Carry machines, acceleration, braking and driving under load alternate continuously, which offers possibilities for better use and recuperation of the available energy. With two electric traction motors in the undercarriage, which are supplied with power by a generator fed by the diesel engine, braking and driving manoeuvres are efficiently controlled. The new system leads to increased efficiency, lower consumption, noise reduction and more dynamic braking and driving behaviour. Initial use of the prototype confirmed efficiency increases of up to 30 %



More dynamics. Less consumption.

"We live innovation and have successfully developed the future-oriented 735 „Green Efficiency Drive“. Particularly exciting is the exchange with the large number of people involved, both across departments and companies:

The electric travel drive for Pick & Carry application is a development cooperation with our partner Bosch Rexroth, whose drive component technology we are now installing in the 735. I was particularly impressed by the effective, internal cooperation from the start of the project: It was only through the solution- and customer-oriented work of all those involved that we were able to put the machine through a tough practical test together with our customer before bauma 2019.

After the customer was completely convinced, we were able to present the functionalities of our world novelty to the numerous interested parties at the bauma booth: The electric travel drive is quieter, more dynamic and we can achieve higher efficiencies than with the classic diesel-hydraulic drive."

Norbert Eckl, Project Engineer



895 E sets new standards

The world's largest material handler comes from Straubing

SENNEBOGEN has been presenting the largest material handling machine ever produced to the public during the **bauma 2019**. The gigantic machine boasts an impressive operating weight of **420 t** and ranges of up to **40 m**.

Bavarian manufacturer **SENNEBOGEN** is taking it one step further with the largest material handling machine in the world. The new giant bears the name **895 E** and will thus lead the product range of green port material handlers by far in the future. During the development of the new machine, special attention was also paid to energy efficiency and the driver comfort familiar from **SENNEBOGEN**. The **SENNEBOGEN 895 E** therefore comes with an energy recovery system and several drive variants.



Unique in the world

„Bigger, taller, further – that’s how one could summarize the development of the hydraulic material handling machines over the past few years. With the new 895 E SENNEBOGEN is taking it one step further with the largest material handling machine in the world. With a total system output of over 750 kW and an operating weight of 420 t, there is no other material handler like it on the market.“

Ali Gülyaz, Development material handlers



A port giant will soon be in Austria

„For us as SENNEBOGEN sales partner, bauma 2019 was a success in many respects. In cooperation with the SENNEBOGEN sales team, we were able to complete a very special project with our customer Danubia Speicherei in Enns: from mid 2020, the 895 E-Series material handler will support the inland port in Upper Austria.“

At first, we wanted to finish the project with another machine. However, the market launch of the energy-saving 895 Hybrid material handler at bauma opened up even more flexible possibilities for the customer in port handling. We are looking forward to it!“

Kurt Steinkogler, Sales Director Ascendum Baumaschinen Österreich GmbH

895E



563 kW (Stage V)

570 kW (Stage II)



420 t



28 - 40 m



Why do I need a license?

“DOES MY OPERATOR REALLY NEED A LICENSE FOR CRANES, MATERIAL HANDLERS OR TELEHANDLERS?”

This question has been asked by nearly every company. The answer is a resounding YES, but the legal basis for this is rather obscure. We have a solid explanation.

There are clear provisions for operator training in Europe, whether it be for cranes, material handlers or telehandlers. The work equipment directive 2009/104/EG, for example, talks about “adequate training, including training on any risks which such use may entail” – the implication is clear, employers have a duty to train their employees.

TRAINING BY EXPERTS: LICENSE IN LINE WITH GERMAN SOCIAL ACCIDENT INSURANCE (DGUV) POLICY 309 - 003

For a number of years the SENNEBOGEN Academy has been offering a certified 2-day course for obtaining the relevant certificate of proficiency. The training is divided into a theoretical part, the legal framework and the risks involved in handling the machines, and a practical part with driving practice, daily maintenance and operation, and a driving test.

Only a combination of theory and practical gives operators the required level of safety and competence in handling the machines. The SENNEBOGEN Academy training puts great emphasis on the practical element of teaching. Driving practice, exacting obstacle courses and tips on what to do are as much a part of the training as handling and controlling the relevant machine .



**CRANES
MATERIAL HANDLERS
TELEHANDLERS**

DRIVING AUTHORIZATION





Legal Information on operator licenses

- Operators must be experienced and instructed, including necessary driving experience.
- The following rules apply in Germany:
§29 DGVV Policy 52,
§12 Industrial Safety Regulation,
Directive VDI 2194 &
DGVV principle 309-003
- In addition to a certificate of qualification, annual instruction is required.
- EU-wide the work equipment directive 2009/104/EC applies.



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The all-rounder for forest management

Established in 1993, Schumacher Garten- & Landschaftspflege GmbH & Co. KG and its 21-strong team specialize in landscape gardening. Felling and clearing operations, including felling problematic trees, tree care and shredding, are day-to-day business at the family company, headquartered in the North-Rhine Westphalia region of Germany. This wide range of tasks is now supported by a flexible specialist for harvesting fuel wood and landscaping: the SENNEBOGEN 718 E.

With the mission of achieving the best results for both nature and customers and a focus on environmentally friendly operation, the company invested in a SENNEBOGEN 718 E material handler. After all, this machine lives up to its “Green Efficiency” reputation: Installed as standard, the SENNEBOGEN system offers savings potentials of up to 20% fuel in EcoMode, good for both the environment and the operator’s wallet.

Thanks to the 13-meter-long telescoping stick and a powerful 119 kW diesel engine, the SENNEBOGEN 718 E material handler is well equipped for a multitude of felling and clearing operations. Weighing approximately 22 t, the mobile all-rounder is also extremely service-friendly: Easy access to all machine components is guaranteed.

As with all SENNEBOGEN material handlers, the cab can be elevated by 2.70 m to provide an optimal view of the entire work area. Additionally, the cab can be tilted by 30°, enabling complete and trouble-free control over the removal of high-hanging limbs. The operator is ideally protected from falling branches thanks to the additional protective grating on the windshield and roof.

A sliding door gives the driver easy and safe access to the comfortable Maxcab with an ergonomically optimized driver seat that is gentle on the back and ensures fatigue-free working. The SENNEBOGEN 718 E also features the proven interactive SENCON control system that allows drivers to intuitively monitor the machine’s operating state and consumption. <<





Flexible thanks to approval for road use: SENNEBOGEN 718 E in use by the roadside



The two 730 M-HDs work together on the sorting line in three-shift operation.

Efficient division of work

with two SENNEBOGEN 730 M-HD at Rettenmeier

The two SENNEBOGEN E-series machines fit in perfectly with Rettenmeier's corporate philosophy in Hirschberg: sustainability and a positive ecological balance thanks to the lowest possible energy consumption and the use of resources in wood processing. Due to the low average consumption and the long service life of SENNEBOGEN machines, the high requirements of the customer Rettenmeier could be met.

At Rettenmeier, SENNEBOGEN stands for quality: „The machines are extremely durable and therefore very economical. This is why, in cooperation with our contacts at the dealer Tecklenborg, we decided to use another 730 M-HD on the sorting line,“ says Sandro Egelkraut, fleet manager at Rettenmeier Holzfabrik GmbH in Hirschberg. The two timber handling machines work in three shifts and together handle

1,000 cubic meters per shift on the sorting line.

Sandro Egelkraut also attaches great importance to safety at work: „Since the paths between the wooden stacks are very narrow, the machine convinced us with its special stability and manoeuvrability. Thanks to the sliding door on the side of the cab, entering the cab is also comfortable and safe for our operators.“



A traditional company on the banks

There's a new eyecatcher at the Germersheim inland port: Family-owned company Freyer Hafenlogistik is starting 2019 with an 870 E-Series mobile material handler. With a 2-meter-tall pylon, the port machine weighs an impressive 110 tons, yet remains maneuverable and flexible.

The philosophy of family businesses is largely the same no matter where you go: great diligence and tradition, as well as long-standing and reliable partners with whom you can form excellent cooperative relationships. One such family business is Freyer Hafenlogistik in Germersheim, Germany, which is now in its fourth generation.

At the beginning of 2019, Freyer further developed its fleet with the new 870 E mobile material handler from SENNEBOGEN in order to provide the required flexibility. In addition to two older 305 telehandlers and a smaller 860 from SENNEBOGEN's D-series, the new port machine fits perfectly into the onsite processes. Thanks to the equipment, which has a total reach of 25 m, all the ships arriving at the port can be served. During the project planning phase, done in cooperation with Schlüter Baumaschinen, it was particularly important to ensure the filling of the existing 16-m-high silo. Thanks to the generous boom length and high stability of the 110-ton machine, this is no problem at all.

Another remarkable aspect is the volume that can now be handled following the machine upgrade. Within just 2.5 h, ships arriving in Germersheim with around 2,000 tons of gravel can be completely emptied. In total, the 27-man site transports 350,000 tons of bulk and general cargo each year.

Since 2009, Freyer has been working successfully with SENNEBOGEN dealer and service partner Schlüter Baumaschinen – also a family-run business, and which is part of the Germersheim port logistics company's trusted circle of partners..





"Our field of activity has become much more varied over the years. For us, keeping up with the times meant being able to react more flexibly to market requirements. That's why we have expanded our repertoire since the turn of the millennium and now serve the field of port logistics as a whole. In addition to gravel and sand, we now deal with a wide variety of goods, including scrap and crude iron as well as grain and fertilizers",

Erich Freyer, Managing director

The bridge builder from the Philippines

The island nation of the Philippines has a transport system based predominately on sea and air travel. But the infrastructure system of overland routes is continuously expanding. All over the island bridges, railroads and streets are popping up. One such example is the Metro Manila flyover project.

Company, F.F. Cruz & Co.; Inc. based in Quezon City are using multiple SENNEBOGEN telescopic crawler cranes for this. Our picture shows two SENNEBOGEN 6113 E telescopic cranes tandem lifting the extremely heavy concrete components. As the conditions are rather cramped and they working at night too, the machines, supplied by sales and service partner Eagle Equipment, need to be really flexible. Together they need to position more than 15 m long components safely and precisely.

One of the telescopic crawler crane's big advantages is its enormous flexibility. In bridge building, when cranes often have to be used anyway, the crawler traveling gear really shows its strengths. It enables the machines to simply move with the building sites. Another plus that is really valued in the Philippines is the robust SENNEBOGEN Full-Power Boom. Not only can it telescope under load, but each boom position can also be selected by simple movement of the joystick. The 6113 E's load capacity of up to 120 t means the machine is an unbeatable assistant, especially when building bridges.





While the workers join forces to lift the prefabricated part, which weighs tons, into the final position, the two crawler telescopic cranes of type 6113 E hold the girder safely in the height before it goes to the next construction step.


Munich job site multi-tasker

The 673 E SENNEBOGEN telescopic crawler crane has been a trusty companion of the Lower Bavarian company Wadle Bauunternehmung GmbH in Essenbach since 2018. Thanks to its compact dimensions and quick availability on job sites, the machine is very popular for all underground construction applications. Only recently the machine has been demonstrating its capabilities on the Munich inner city building site.

We find ourselves in the center of Munich on a spring morning in May. Trams, cars and cyclists are rushing past a narrow row of houses near the traditional Nockherberg pub. A striking green silhouette flashes across a closed-off alleyway. The 673 E SENNEBOGEN telescopic crawler crane adds the noise of its engine to the bustle of Munich city life and sets to work. Its mission? The green telescopic crawler crane is there to help with all the lifting jobs on a 178 meter underground micro tunneling project being carried out both night and day over 1.5 weeks.

„We really value the machine's flexibility in building site applications,“ says Klaus Gerhardtter, Wadle's senior site manager. *„Transport is easy, attachments can be fitted quickly and being able to control the variable adjustable telescopic boom via the joystick means that we can react to different tasks on site with very little hassle.“*

This is true of Wadle's 673 E, which is equipped with an up to 36 m telescopic boom, an economical 168 kW diesel engine, and hydraulic ballast support equipment for the 17.4 t rear-mounted ballast. The machine can also be used safely and flexibly at inner city locations thanks to its compact size. Loads of up to 70 t can be controlled and lifted with ease thanks to the Full-Power boom. In Munich the general purpose machine is used by Wadle primarily for unloading the steel reinforced concrete pipes from the delivery trucks and for lowering the drill head into the excavation pit.

„In addition to the machine's efficiency, the personal advice we had from SENNEBOGEN and our service partner IBS Baumaschinen was very important to us. We really value their quality and quick availability!“ says Klaus Gerhardtter about the machine purchase. 





In Munich, Wadle's all-purpose machine is used to unload reinforced concrete pipes from approaching trucks and to sink the drilling head into the starting pit, among other things.

Allrounder for Scotbark

SENNEBOGEN 355 E telescopic handler in Great Britain

Scotbark LLP is a Scottish company based in Glasgow with 30 years' experience in manufacturing and distributing premium bark mulch. Over time, Scotbark's product range and customer base have increased massively and the company has become a comprehensive supplier of garden and landscaping materials.

For the past 10 years, two SENNEBOGEN 305 machines have done the majority of the loading and stacking work. Now a third machine has been added - the first of the new „Multi Line“ product range, redesigned from the ground up, the SENNEBOGEN telehandler 355 E. It is the first operational 355 E in Great Britain and is supplied and serviced by SENNEBOGEN dealer Molson Green.

So, how does the 355 compare to conventional telehandlers? Having got behind the wheel, Scotbark's impression is that there is a lot more power at play!

The SENNEBOGEN 355 E combines the best features of a wheel loader and a telehandler in one machine. It is strong and robust like a wheel loader but, at the same time, sturdy and stable like a telehandler. The „Z-kinematics“ usually associated with a wheel loader provide very high breakaway force and mean that the bucket can deal effortlessly with the mountain of bark mulch on the Scotbark site.

Michael Boyle, Managing Director at Scotbark: „The SENNEBOGEN 355 E is exactly the right machine for our company - we needed a telehandler with wheel loader capabilities to successfully carry out our busy operations. With the 355 E, we can turn customer orders around really quickly as it is in operation pretty much constantly, dealing with both incoming orders at night and handling things during the day.“ The telehandler lives up to the name of the product range „Multi Line“ and can be fitted with a lifting fork in seconds thanks to the series-standard hydraulic SENNEBOGEN quick-change system. This means it is equipped for multi-functional tasks.

Scotbark is particularly impressed by the large loading capacity of the hold-down shovel which can scoop up to 3 m³ of material. This considerably speeds up the loading of bark mulch. Another great feature is, of course, the exclusive elevating cab, the SENNEBOGEN Multicab, as Michael Boyle says, „The 355 E has the right bucket capacity for loading everything quickly, from bulk bags to pickup trucks to our largest 100 m³ walking floor trailers. In addition, the elevating cab with its all-round view provides an unsurpassed level of occupational safety in our busy yard.“

The SENNEBOGEN 355 E's small turning radius of less than 4 m is important for being able to work in tight spaces and deal efficiently with a line of waiting trucks. Thanks to its perfect balance of power and speed, the 355 E was predestined for the demanding loading work it carries out at Scotbark.

„When I am sat almost 4 meters above ground level, I don't have to strain my neck to load high-sided vehicles. It's not just the direct view provided by the elevating cab that's great - the mirror package and the rear-view cameras are also brilliant for operator comfort because they mean that I don't have to turn my head so often to check for obstacles behind me

Compared to conventional telehandlers, the 355 E is the perfect machine for this work. There are so many factors that mean it is playing in a completely different league - its power, smooth control, maneuverability, outstanding breakaway force and the excellent view from the elevating cab..“

Ben Lang, operator of the 355 E at Scotbark



Multi Line

More information: www.sennebogen.com

NEW CUSTOMER SERVICE

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We continue to grow...

We are continuing to develop our growth and service strategy with a new Customer Service Center. On Straubing's doorstep, we will bundle our international spare parts business in the future, invest in warehouse automation and optimize our logistics processes.

At the same time, there are on a building area of 22,000 m² also the customer service and our local sales and rental company are at home. They will help you as a dealer and customer with the best possible support in all matters.

CENTER

subsidiary Rental & Used will be built just outside Straubing



Our picture shows the architectural design:
 Two office buildings and spacious halls for customer service and a state-of-the-art spare parts warehouse are being built directly along the A3 motorway on 87,000 m² of land.

»IMPRINT

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