

On Track

Issue 5 - April 2013

KEESTRACK

MOBILE CRUSHING AND SCREENING EQUIPMENT



In this issue:

- Keestrack invites you to Bauma
- Hybrid technology innovation:
 - Destroyer 1313
 - Impact Crusher & Screener
- Apollo- The Real Jaw Crusher, the new series
- The Vision about Production and Innovation
- The Destroyer 1011, the Compact Impact Crusher
- Keestrack Stacker – The mobile stockpile conveyor



EDITORIAL

BAUMA 2013

Preparations for the Bauma 2013 in Monaco of Bavaria are in full swing. As always Keestrack will present the latest innovations and applications at our stand.



Visit us at our booth F9/N917/1 in the open air area.

In this newsletter you will get a preview about what you'll see at our booth.

At Bauma you will be welcomed with open arms by our sales team and some of our dealers who will attend the exhibition.

We wish you success and fun while preparing for the visit to the biggest fair of the year.

In this issue you'll find details on the next generation of crushing and screening machines. The hybrid technology will become more and more popular, both for the transport sector as well for our machines in crushing and screening.

Enjoy the read.



You can contact us through our Keestrack website: www.keestrack.com or follow us on Facebook.

Marcel Kerkhofs
Publisher On Track



Visit our stand in the Open Air Area at F9/N917/1

Welcome to Bauma

During Bauma the following machines are on display:

- **Stacker**, the new Keestrack mobile stockpile conveyor
- **The Novum Eco Drive** electric hybrid technology, the first electrically driven Keestrack scalping screen
- **The Destroyer 1011** with after screen, the new very compact impact crusher
- **The Destroyer 1313 Eco-Drive** electric hybrid technology, the new impact crusher with the ultimate rotor generation
- **The renewed Apollo Jaw crusher**, which has been completely redesigned to meet the most current needs on the market

Read all about it in this issue.



www.bauma.de

Hybrid technology innovation

After introducing the hybrid technology series of Explorer classifiers called Eco Drive last year, Keestrack shows at Bauma to continue in the same direction. Keestrack will present the new electrical driven mobile screen Novum and the mobile impactor Destroyer 1313. These hybrid machines are an innovation and will be exhibited during the fair for the first time!

Keestrack presents the “Green” electric versions under the name Eco-Drive.

“We won’t simply follow the “green” fashion. This innovation represents an added value for the environment, but also improves significantly the cost efficiency of our machines “

Kees Hoogendoorn



Electrically driven Screens and Crushers can be supplied from an “on board” diesel generator, be connected directly to the main electric net or connected to an external generator.

The performance and the end results are identical to those of the standard versions with diesel/hydraulic drive, but maintenance costs and costs of ownership are significantly lower. The reason is that driving the generator needs less rpm than driving the classic system. Furthermore, you can use “external” energy from the fixed network or from a generator. This saves energy and money and leads to a reduction of emissions.

Advantages:

- reducing cost of operation and maintenance of the diesel engine
- less pollution by lower emissions
- energy saving
- respect for the environment

Hybrid crushing and screening machines can operate in different ways:

- connection to the main electric net
- connection to an external generator, for example to the motor of a different crusher
- or its own “on-site” generator with diesel engine

Our Experts at Bauma 2013

During Bauma you can learn all about our (new) products and our dealer network and be advised about specific needs or particular applications. Besides our area managers and dealers you also have the opportunity to meet our experts.

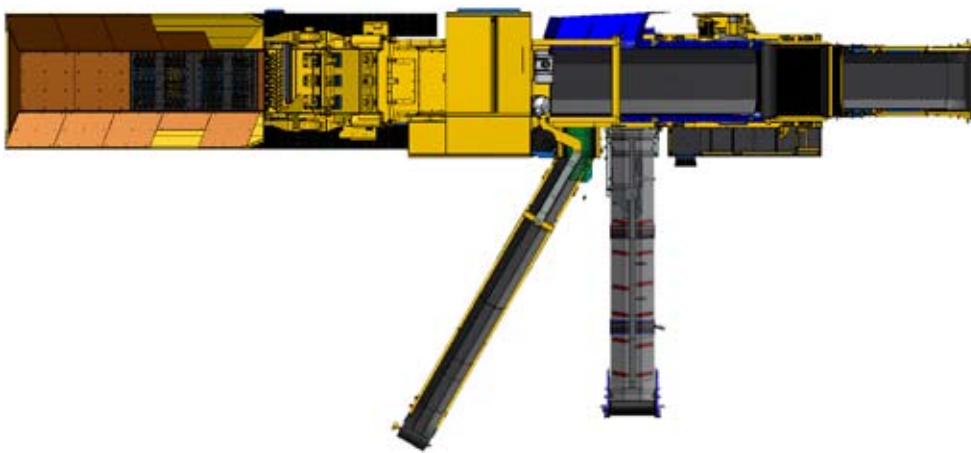
1. Ing. Mr Helmut Kreutzer, a man of long experience in the field of technical applications. Mr. Kreutzer will be able to advise you properly on the specific properties of any machine and where you can use them.
2. Ing. Mr Johann Pr  wasser, specializing in different applications, is the perfect partner for information on specific production lines and processes.
3. Ing. Mr Franz Weinheimer, responsible for the design of the machines and their functionality.



Destroyer 1313 Eco-Drive

The Destroyer 1313 Eco-Drive has, like the rest of the Destroyer line, exceptional access room for maintenance and replacement of wear parts. The frame can be tilted hydraulically for the maintenance and inspection of the crushing chamber.

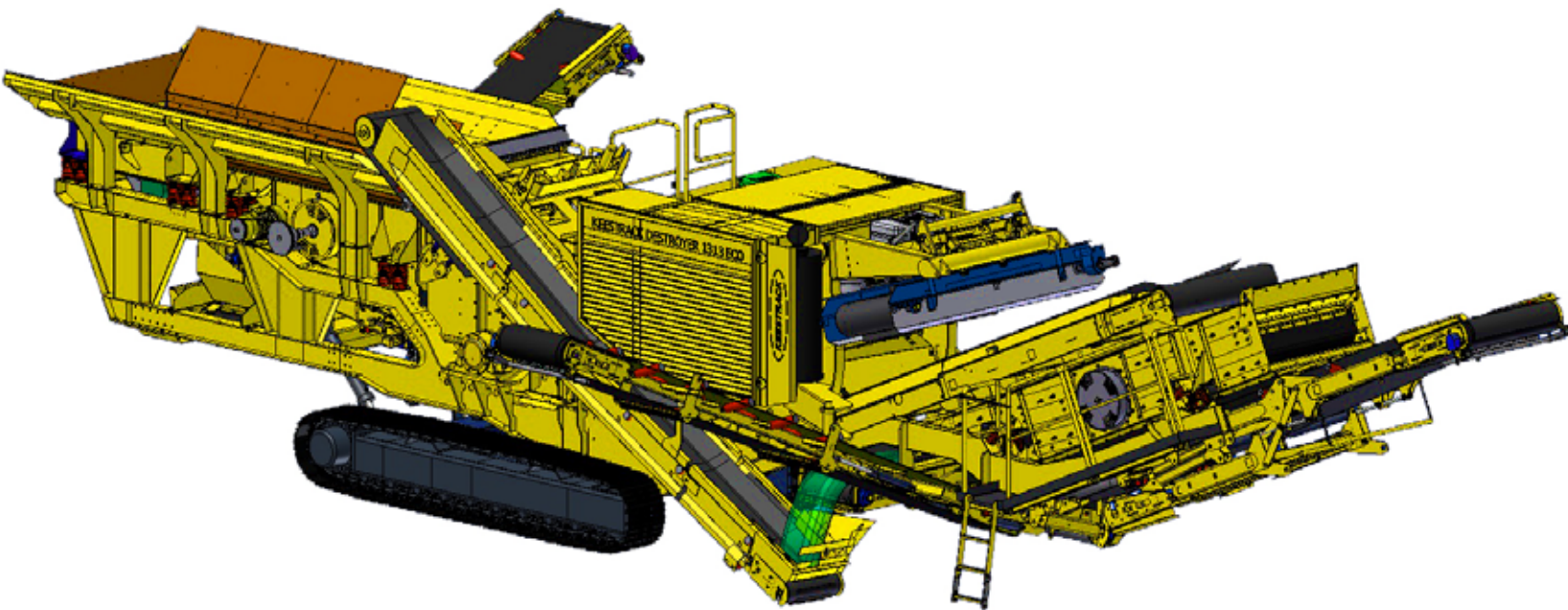
With a weight of 60,000 kg, an input from 900 mm x 1,280 mm and a rotor diameter of 1267 mm this impact crusher can reach a production capacity of 400 tonnes per hour.



The rotor speed is 470-610 rpm equivalent to 31 - 40 m/s. The 4 blow bars weighing 312.5 kg each.

The electric engine driving the crusher has a power of 250 kW.

The recirculation conveyor can work in a closed circuit or can be used as stockpile conveyor for the oversize product.



Novum Eco-Drive

The mobile screen Novum works in principle the same as the Explorer and Destroyer Eco-Drive. The unit can be powered either by its own generator and diesel engine, as well as by an external energy source.

The concept of the Novum has been adapted, but the functionality, capacity and reliability are unchanged. With the maximum feed size capacity of 800 mm the Novum is suitable for scalping as well as classifying. The Novum produces 3 fractions with a maximum capacity of 300 tons/hour.



Conveyors electrical driven



Electrical driven screen box



The Novum is also available in a version with removable right conveyor for the production of 2 fractions of materials. This option ensures lower cost of transportation and handling and is designed upon specific request of the recycling business.



Apollo jaw crusher, new & hot

The Apollo crusher will be on show in a completely new look. The machine is completely redesigned, with a weight of 38 tons it has a production capacity exceeding 300 tonnes per hour and accepts a feed size up to 600 mm.

The Apollo (1050 x 730 mm, CSS 40-125 mm) is equipped with:

- a bigger vibrating feeder and a larger independent pre-screen of 2,200 mm, allowing less wear of the jaws and a better final product
- a main conveyor of 1000 mm, wider and longer than the previous one
- a new, double-folding, dirt conveyor
- increased discharge height of the main belt (3,200 mm), resulting in increased stock pile capacity
- increased efficiency with a lower number of revolutions (1800 rpm / min) and the use of the “load-sensing” technology in the hydraulic system allows reduced fuel consumption
- a wide range of options available to meet all your needs



Like all OMTRACK jaw crushers, this model is equipped with the patented non-stop system (NSS), to ensure a continuous production process and to protect the crusher from uncrushable objects. When an uncrushable piece enters the crushing chamber, the jaws will open and then reposition themselves automatically, after the uncrushable piece is dumped, the jaws will reposition to the last setting.

The Vision on Production and Innovation.

Since its foundation Kees track is a company with a strong growth. In an interview with director Walter Kaiser, CEO of the production sites in Czech Republic, we find out the reasons which led the company to success.

Born in Austria, engineer Walter Kaiser already gained a lot of experience before meeting the founder of Kees track, Kees Hoogendoorn. Mr Kaiser has, among other things, worked for Porsche in Salzburg and at AMP / Tyco, and he established the production sites of Palfinger in Slovenia and Bulgaria.

After a meeting with Kees in 2002, Kaiser established a production unit in Sternberk in Czech Republic. Initially the staffs consisted of no more than five people. But immediately followed a period where two workers were hired every month. Mr Hoogendoorn focused on sales and Mr Kaiser took on the production.

Over the past 10 years, much has been achieved, but unfortunately the long-term goal of producing 1,000 machines a year after 10 years since production started, has not been reached. “Up until 2007 we were still on target,” explains Mr Kaiser, “Unfortunately, the economic crisis has slowed the strong growth of the first years, but we still reached a good production performance.” According to Mr Kaiser, the strength of Kees track is the determination to invest in new technologies, such as plasma cutting, an ultra-modern powder coating paint line and the skills of workers and welders.

“The biggest asset of Kees track is that it designs and produces 99% of the machine in the Kees track factory. Most other Crushing and Screening manufacturers simply purchase components and assemble. Kees track controls the complete manufacturing process, from where the steel arrives until the machine is completely built. This makes us less dependable of suppliers. We take pride in saying that Kees track is one of the few companies that manufacture and assemble their machines in-house. That is why we can stand for the high quality that Kees track brings to the industry”. Also innovation on new and existing machines plays a leading role. “Thanks to the constant presence on the market and constant feedback from our customers, we adjust the design and functionality of mobile crushers and screens.”



Engineer Walter Kaiser, CEO of Tridic & Drtic

In short, the success of Kees track is determined by your feedback.

All experience focused on the “little one”

After the success of the Kees track Destroyer impact crusher 1112 and 1312 Kees track has used all its experience on the project of the “little” impact crusher.

With only 25.000 kg (without options) and 29.700 kg, in the full-option version with magnet, after screen and oversize return conveyor, the Destroyer 1011 suits many applications. The small transport dimensions and a production capacity of 200 tons/hour make it a very compact impactor with high quality standards.

Like all Kees track machines, this impactor is very user friendly and offers a perfect access for maintenance and replacement of wear parts. The crusher has an opening of 960 x 770 mm and a rotor diameter of 1060 mm. The advanced and proven technology of the Destroyer series ensures great fuel efficiency, without compromising productivity. The



The new very compact Destroyer 1011

engine with very low emissions and a “load sensing” hydraulic system allows great fuel savings and a minimal impact on the environment.

The vibrating feeder with long pre-screen allows a reduction of wear of the blow bars and improves the end product and increases the production capacity.

With remote control the Destroyer can easily be controlled from the excavator cabin.



Transport height: 3100 mm
Width: 2540 mm with or without return belt
Transport length: 9500 mm without after screen
12600 mm with after screen
Weight with after screen & return conveyor 29.700 kg

Stacker, the Keestrack mobile stockpile conveyor

In addition to our range of mobile screens, impact, jaw and cone crushers, we have added a tracked stockpile conveyor to our product line. Also this innovation will be visible at Bauma.

The KEESTRACK mobile stockpile conveyor of 12.000 kg has the following specifications:

- Feed size up to 200 mm
- Feed capacity: depending on the inclination of the conveyor:
 - Inclination 16°: up to 400 tons/hour
 - Inclination 18°: up to 350 tons/hour
 - Inclination 22°: up to 300 tons/hour.

Stockpile capacity, depending on the swivelling of the conveyor (estimations: angle of repose 37 °; bulk weight 1,7 kg/dm³):

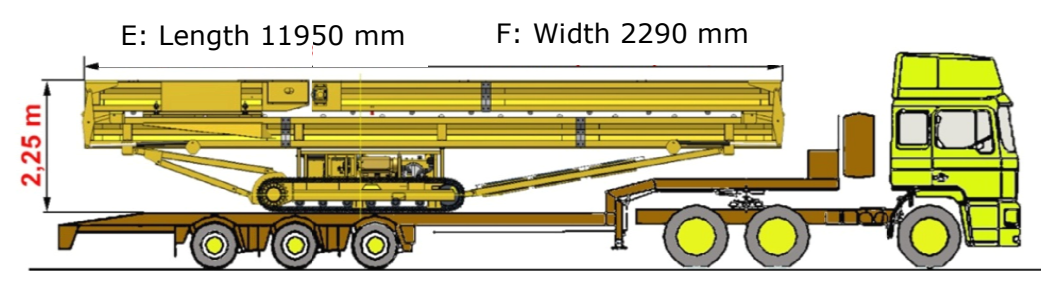
- Swivelling 0 °; Inclination 22°: 2500 tons
- Swivelling 90 °; Inclination 22°: 8600 tons
- Swivelling 180 °; Inclination 22°: 15000 tons

Conveyor belt:

Length 23.000 mm
Width 1.000 mm
Variable speed up to 1,3 m/s

Transport dimensions:

Length: 11.950 mm
Width: 2.290 mm
Height: 2.250 mm



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