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ON TRACK

EDITORIAL

The hand that rocks the cradle rules the world

Keestrack's founder built his first machine to fill a void in the market place. Nowadays production and product development are still carried out in-house. Today, founder Kees Hoogendoorn is supported by an entire team of highly skilled experts.



The first Keestrack machine in operation

Both his sons are today working to expand the Keestrack Group into an international company with various branches throughout the world and a comprehensive network of dealers.



Kees Hoogendoorn in front of his first screening unit

This edition gives greater focus to the next generation, both for the next Hoogendoorn generation and the next generation of Keestrack machines.

Happy reading. You can also follow us on the Keestrack website, www.keestrack.com, or via Facebook.



Marcel Kerkhofs
Editor, On Track



A number of examples of customers whose machine(s) have been supplied in their company colours.



Rien van Laarhoven BV's Novum



Hector van More's GIOVE CC jaw crusher



Kok's Destroyer 1312 CC impact crusher unit



Sabliere la Salanque's Destroyer 1312 CC impact crusher unit



Martens and Van Oord's Frontier

From customised solutions to 'Limited Editions'

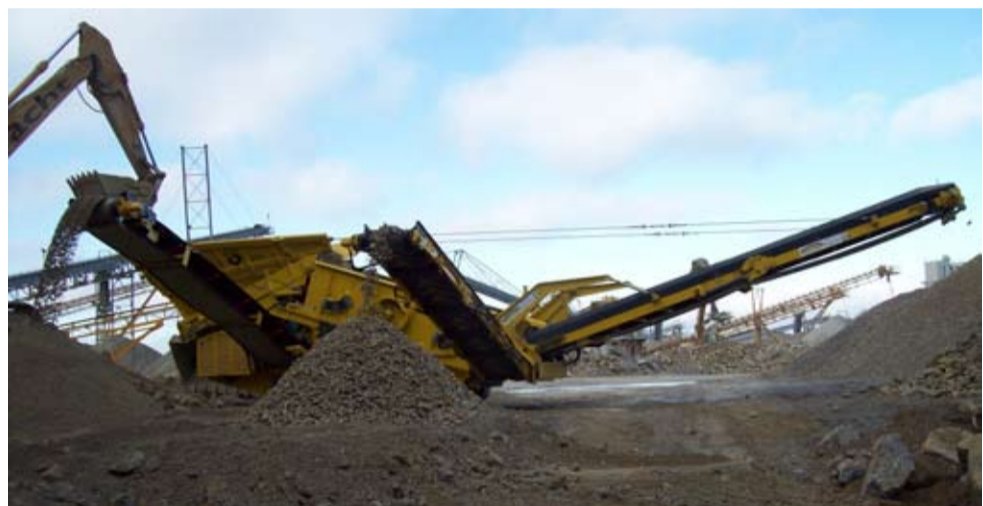
Keestrack does not simply produce standard machines. All crushers and screeners are customised to our customers' wishes. This is achieved by supporting the customer in selecting the most suitable configuration for their machine in order that it will operate optimally in their specific application. Selecting the correct options obviously forms part of this.

Some customers want to take things a little further and replace our standard Keestrack yellow with their own colours or even have their machine customised to their specific situation. A number of examples follows.

By complying with the specific wishes of our customers, we sometimes arrive at a 'Limited Edition', a machine that is produced once only or is only produced by specific order of the customer.



Gerard-Gorse's Frontier with extended oversized conveyor and larger feed hopper but without righthand side conveyor (intermediate fraction)



SMAG's Frontier with extended oversized conveyor and larger feed hopper but with both side conveyors on the righthand side



The mobile Keestrack Stacker, the most recent solution for stacking or transporting bulk material



Keestrack Multi loader, loading unit with its own feed hopper that ensures the correct distribution of the material



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The future ... the next generation

The sons of company founder Kees Hoogendoorn (Keestrack Group President) and his wife Annet Schoenmaker (Treasurer) have also joined the company and are working hard to put Keestrack on the map.

Peter Hoogendoorn, the more commercial of the brothers, is at the head of Italian sister company Omtrack SPA. Freek, the more technical of the two, is Factory Manager of sister company Drtic where the impact crusher units are built.

Freek has had a comprehensive introduction to the Keestrack Group. He started work in 2008, when he was involved in the lease of screeners, after which he worked as a mechanic and spare parts shop worker at company headquarters in Belgium.



Freek and Peter Hoogendoorn

After having worked in Italy and China, he found his way to the Czech Republic. Here he was first employed as a spare parts shop worker, after which he moved to Drtic, where he is currently Manager of the Production department.

Like his father, Freek is enthusiastic about technology and is eager for a hands-on approach. He has been involved in various activities, including the development of the GALLEON cone breaker (see final page), quality control and in the product development of impact crusher units.



The new Destroyer 1011, shown here without afterscreen

The next generation of impact crusher units is coming. The most recent development is the very compact impact crusher unit, the Destroyer 1011.



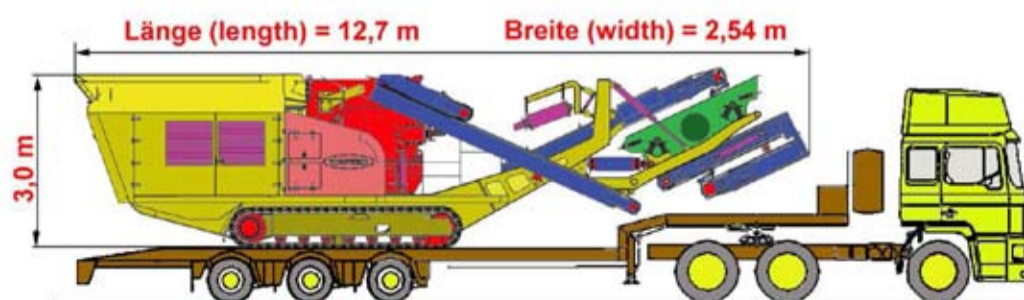
This machine weighs a mere 25 tonnes (without options) and its small transport dimensions and capacity of 100 to 200 tonnes per hour make it eminently suitable for deployment in any number of situations. The end product is 0/40 (X) mm, which can be certified.

The machine has been executed with a vibrating feed unit with a plate deck for pre-screening. The right-hand side conveyor is optional.

The impact crusher unit has a 960 x 770 mm opening and a rotor diameter of 1060 mm.

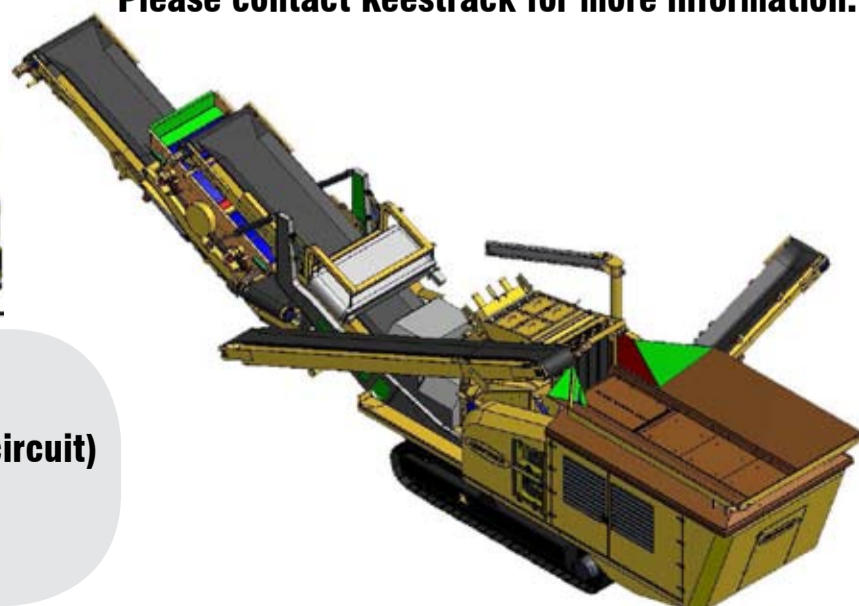
The 4 impact bars, each of which are 223 kg in weight, have a speed of 560 to 640 rpm (32-36 m/sec). The diesel/hydraulic drive is fed by a Deutz TCD 7.8 L06 diesel engine, TIER4 EU Stage IIIB. The hydraulic "load sensing" pumps ensure a very efficient fuel consumption and save approx. 20 to 25% fuel.

The Destroyer 1011 may be fully equipped with numerous options in order that it is suitable for any application, such as: afterscreen, dust suppression system, hydraulically adjustable magnetic conveyor, right-hand side conveyor and many other options.



Transport height: 3000 mm
Width: 2455 mm without return conveyor
2540 mm with return conveyor (closed circuit)
Transport length: 9,600 mm without afterscreen
12,700 mm with afterscreen
Weight with afterscreen (as illustrated) 29,800 kg

Please contact Keestrack for more information.



The impossible proven possible, day after day

The general opinion is that it is almost impossible to screen wood into several fractions with a flat screen surface. At the company Filbois in Seraing, Belgium they prove otherwise day after day.

The site of Filbois is 47.000 m² and offers social employment to approximately 15 people. It is one of the missions of the company to offer social employment. The other missions are: recycling wood (for the chipboard industry and as an energy source) and remediating ground on their own site.

On the site of Filbois they recycle scrap wood coming mainly from waste collection centers. After unloading, the wood is sorted by quality. Using a rough, slowly rotating shredder the scrap wood is reduced to pieces of maximum 300 mm. In the following picking station all contaminations, like plastic, metal, etc. are manually removed. The following hammer mill reduces the scrap wood to a size of maximum 120 mm.

Recently the production of chipped wood is separated in 3 fractions using a Kestrack Novum, with extended main conveyor, resulting in a higher profit because of more specific end products. The general opinion is that it is almost impossible to sort wood in several fractions using a flat screen surface but with the right expertise, the right choice of screens, amplitude of the screen box and the right speed this is surely possible. This is proven every day at Filbois!



The hopper of the screening machine functions as a buffer and makes sure the screen is evenly fed. After fine screening into 3 fractions the middle fraction is used in the chip board industry, the oversize fraction will be reprocessed or be offered for energetic revaluation. The fines fraction serves as raw material for energetic revaluation. The approximate throughput of the Novum is 100 m³/hour.

Filbois in partnership with Ecoterres started in 2010 to remediate soil. Also for this purpose the Kestrack Novum is used. Changing the screen decks is done quickly and the Novum with its mobility can be utilized all over the recycling site.

The Argo jaw crusher

The ARGO jaw crusher is a masterpiece. At 30 tonnes, this fully restyled machine is relatively lightweight which makes it very mobile without sacrificing results. The machine can be fed with material of up to 600 mm and has a maximum capacity of 200 tonnes / hour.

The ARGO (1000 x 600 mm, CSS 35 - 115 mm) has:

- a new more compact design and lower overall weight which makes transport more easier
- greater discharge height from the discharge conveyor (3020 mm) making it possible to assemble a greater stock
- improved performance at a lower machine speed (1700 rpm) resulting in lower fuel consumption, there is a lower load on the engine and there is less noise pollution
- Tier IIIA 6-cylinder diesel engine
- a very large number of options enabling this machine to meet every wish



As with all OMTRACK jaw crushers, this one is also equipped with the patented Non-Stop System (NSS) to guarantee a continuous production process and to protect the crusher against feed material that is uncrushable. If a large uncrushable piece of material finds its way into the crushing path, the jaws will open automatically and then automatically return to the preset opening.

Container hook platform for the Combo

The very compact and high-performance Combo screener from Kestrack has no problem separating 3 fractions with a maximum capacity of 250 tonnes / hour. Weighing in at 17 tonnes, it is very suited to smaller-scale screening operations, for rental or for operations in which mobility is key. The machine can be used either as a pre-screener for coarse material or as a precision screener for fine material.

In view of the fact the mobility is often considered as a major advantage of the Combo, Kestrack has sought an alternative for the conventional mode of transport.

The new container hook platform enables the Combo to be transported even more easily and efficiently, thereby increasing its mobility.

Transport costs are moreover reduced thanks to rapid handling and because standard services can be used.



The Kestrack Combo screener has:

- optimum flexibility and mobility with very high performance and reliability
- perfect results at relatively low costs
- robust and smart design with good access for maintenance, repairs and the replacement of consumables
- low weight of the machine and compact transport dimensions
- up to 25% less fuel consumption through the use of the load-sensing hydraulic system
- very large effective screening area: 2700 x 1200 mm
- rapid setup times
- low feed height

Drive onto the platform, engage the hook and you're ready to go



Combo, a cost-effective option

The family business **BERTRAND CH.** has been an established name in the Belgian Ardennes for generations. This small quarry proves that a Keestrack Combo screen can improve the efficiency and profitability of even the smallest quarry.



The quarry in Bra sur Lienne is known for its specific blue and brown slate. This is used in construction of walls, roofs, terraces, floors and dry walls (without mortar). The slate is also used for monuments, graves etc.

Mining the quarry is already 50 years in progress and this was mainly done manually. The quarry operates in a niche market where colour, size and shape of the stones are selected on demand of the actual order. Bertrand delivers mainly direct to end users and local contractors.

Nowadays the manual selection has been brought back to a minimum. Only a manual selection is done on colour and on specific shape of the stones.



The early years of the quarry

Another advantage is that the fines and middle fractions are very specific now, resulting in higher proceeds up to 15 times more.

Also production has doubled leading to a shorter delivery time. Besides these economic solutions the Combo also provides a less labour intensive and much cleaner work environment.

Quarry Bertrand has expanded their product portfolio because of the 3 different fractions in the new working process. The 0-50 mm fraction is used for paving forest tracks and roads and gardening decorations. The 50-120 mm fraction for drainage stone or as decorative stone.

The choice for the Combo, the smallest screen of the Keestrack range, was an easy one after a testing period of 2 days. Because manual sorting is still to be done at the oversize conveyor it is essential to have picking stations on both sides. Also the speed of the hopper and the main conveyor is easy to adjust from the picking stations. The easily interchangeable screens of the Combo are also an advantage. A capacity of 250 (metric)Tons an hour is more than enough in this application. Of course the possibility of doing a real test played an important role, because seeing is believing!



Combo on trial for 2 days

This story clearly shows that even in niche markets, with small production needs there are enough advantages using a Keestrack screen. Keestrack can offer a solution to you as well.



Bertrand's site today, with additional products and higher productivity

Galleon, Keestrack's cone breaker

In addition to our range of mobile screeners, impact crushers and jaw crushers, we have now also added mobile cone breakers.

KEESTRACK's mobile cone breaker has the following features:

- high-quality cone-breaker unit with a capacity of approx. 200 tonnes / hour
- a quick-release feed system, exchangeable with a pre-screener
- available with a closed-circuit, 4500 x 1500 mm, afterscreen unit



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