



**DIESEKO GROUP RENTAL
THE RIGHT EQUIPMENT
FOR EVERY PROJECT**

DIESEKO GROUP

FOUNDATION EQUIPMENT FROM DIESEKO GROUP

The Dieseko Group, which was established in 1974, is a manufacturer of a wide range of products for the foundation industry. The range is divided into five product lines: vibratory hammers and impact hammers, piling and drilling rigs, soil improvement equipment, dredging equipment and hydraulic power units.

Dieseko Group is owner of the brands PVE Piling & Vibro Equipment, ICE International Construction Equipment and Woltman Piling & Drilling Rigs. Dieseko Group also supplies Bell Dredging equipment.

Dieseko Group engineers develop foundation equipment in accordance with the latest regulations. The experienced engineers in the sales and rental department have a profound knowledge of the equipment and are always standing by to advise clients on their specific needs. Spare parts are in stock for all machines, which can be shipped quickly to dealers and clients worldwide, to avoid downtime on projects. Service engineers are available 24/7 to support clients on site. With over 60 dealers and branches worldwide, Dieseko Group is a reliable partner for all foundation contractors for consultation, sales, rental and financing.

OTHER EQUIPMENT

Dieseko Group also rents other equipment in addition to equipment in this brochure:

- Woltman piling and drilling rigs;
T: +31 (0)184-430900
- PVE hydraulic impact hammers;
T: +31 (0)184-430900
- Bell dredge pumps;
T: +31 (0)22-4855340



SHORT DELIVERY TIMES AND A HUGE RANGE

Renting foundation equipment can be very advantageous. Is the right equipment missing for the job you need to do? Dieseko Group always tries to come up with an appropriate solution.

Using the 'PVE-ICE Wave' software, Dieseko Group is able to provide you with piling advice so that the right equipment can be chosen. Dieseko Group staff can take a lot of the work off your hands, making your life easier. For example, the insurance can easily be arranged for you and Dieseko Group can also ensure that the equipment is delivered to your construction site as quickly as possible, using its own truck with integrated loading crane. Dieseko Group staff will be more than happy to help you with operating instructions and tips on equipment usage. Dieseko Group has been a reliable partner in the rental market for many years and has also invested heavily in recent years to ensure that the rental fleet meets the latest technological requirements. Many new models have also been added to the rental fleet, so that you as a contractor also have the opportunity to get to know different machines if you are considering a purchase.

Dieseko Group has Europe's largest rental fleet of vibratory hammers. In addition to its own units, Dieseko Group has a worldwide network, including several foreign offices and dedicated dealers, where rental equipment is also available. The branches in Poland, USA, Brazil, China and even Australia have their own rental fleets, guaranteeing flexibility and speed.

If you, as a contractor, have a project abroad, we can make you a very attractive proposal that means you will not have to wait long for the equipment and can save a lot on transport costs at the same time.

ADVICE

For the best fitting equipment

TRANSPORT

Always on time

INSURANCE

Carefree at work

SERVICE

24/7 available

WORLDWIDE

Available everywhere

icht - Holland
group.com
4 410333

DIESEKO GROUP
FOUNDATION EQUIPMENT



VIBRATORY HAMMERS

In its rental park, Dieseko Group has vibratory hammers ranging from 3 kgm (27 tonnes centrifugal force) to 500 kgm (1,075 tonnes centrifugal force), in three types: normal frequency, high frequency and high frequency with variable moment.

EXCAVATOR MOUNTED VIBRO HAMMERS

Many excavators lend themselves well to working with smaller types of vibratory hammers that can be attached to the boom of the excavator. The installation or removal of pipes, profiles, either of plastic or steel, can be much more efficient when ICE or PVE vibratory hammers are used. If the excavator does not deliver sufficient power or oil flow, one of the hydraulic power packs from the rental fleet may provide the solution.

NORMAL FREQUENCY VIBRATORY HAMMERS

This type of vibratory hammer is ideal for extracting or installing steel pipes and sheet piles in non sensitive areas. Standard frequency refers to frequencies around 20-30Hz. This type of vibratory hammer can also be used for extracting concrete piles with a special pile clamp, but Dieseko Group has an extensive range of matching clamps for many applications.

HIGH FREQUENCY VIBRATORY HAMMERS WITH VARIABLE MOMENT

The variable eccentric moment of this series results in resonance free starting and stopping of the machine. And the high frequency (around 30 - 40 Hz) results in less vibration nuisance. This makes a variable moment hammer ideal for pile driving in vibration sensitive areas and has been the undisputed choice of many contractors in Europe over the years.

Dieseko Group therefore supplies this type in a range that goes from small up to large and powerful. Depending on your project and equipment, our rental department can determine which model is most suitable for you.

Thanks to the resonance free starting and stopping the VM/RF type vibratory hammer can be used in a telescopic crane or even a tower crane or truck-mounted loading crane.

RESONATOR

For projects where vibration-free work is a requirement, the PVE RTI RD260 can provide a solution. Please contact the rental department for more information about this high-tech resonance technology.





CLAMPS

In most cases, the vibratory hammers are used for the installation or extraction of steel sheet piles or steel tubular piles. Our rental park has sheet pile clamps and tube clamps ranging from 40 to 350 tonnes of clamping force, beams for the most diverse tube sizes, and pile clamps varying from 60 to 180 tonnes clamping force.

SHEET PILES

For sheet piles, a universal sheet pile clamp is normally used. For special cases as three-fold sheets, double clamps or even triple clamps can be mounted.

TUBES

For tubular piles, it is usually sufficient to work with 2 clamps mounted on a beam. For large diameter tubes the vibratory hammer can be fitted with an X-plate with 4 tube clamps. The rental department staff will advise you.

When you have to make frequent changes from e.g. sheet pile clamp to tube clamps, Dieseko Group has a time-saving adapter available. With this adaptor, the permanently mounted clamps can clamp a pre-assembled clamp.

PILES

For the installations or removal of concrete or wooden piles, Dieseko has pile clamps in various designs. These clamps can also be used for vibrating the popular Basralocus wooden piles.



SERVICE AND REPAIR

In the unlikely event that a problem occurs during your work, Dieseko has a very experienced service team that is at your disposal day and night. Our team is known for turning problems into challenges and for solving them creatively and quickly.

QUALITY

Dieseko invests heavily to keep its rental fleet equipment up to date. In addition, each machine is thoroughly inspected and prepared for the next project. This quality check will minimise the risk of standstill.

HYDRAULIC POWER PACKS

In Sliedrecht, Dieseko manages a fleet of over 80 power packs ranging from 200 l/m (150 kW) to 3200 l/m (2200 kW).

PVE and ICE hydraulic power packs are powered by top-quality diesel engines and comply with emission standards from Stage 2/Tier 2 up to the sustainable Stage 4/Tier 4 Final.

The open hydraulic systems ensure safe and reliable operation. The combination of a balanced cooling system means overheating is avoided. The intelligent IQAN management system ensures accurate operation and monitoring. The interface is available in Dutch and 9 world languages!

SUITABLE FOR EXTREME CONDITIONS

The hydraulic power packs can be adapted for use in extreme conditions, such as freezing arctic cold or desert conditions with burning heat. These high-tech power packs are insulated and equipped with heating and cooling to deliver the same reliable performance in these extreme temperatures!

The power packs have been developed to meet changing environmental legislation and are built in accordance with legal requirements. Noise and emissions are greatly reduced by software and technical adaptations. By using stop-start intelligence and AdBlue technology this can be further reduced by you as a user. To prevent soil contamination, the power packs are equipped with a leak-proof bottom.

APPLICATION AREAS

There are numerous application areas for the PVE and ICE power packs, varying from infrastructure projects to port construction, from marine applications, industry and transport, to offshore.

The power packs can drive a wide variety of hydraulic equipment: pile hammers, vibratory hammers, rotary heads, (dredge) pumps, winches, hydraulic cylinders etc. The Dieseko Group specialists can recommend a suitable power pack for your special application.



GROUND IMPROVEMENT

Dieseko Group has various machines in the rental park for improving the subsurface.

You can consult the specialists at Dieseko group for this highly specialized equipment.

DEEP SOIL COMPACTION

With both vibroflot (on a depth up to 40 meters) as a vibratory hammer equipped with a special profile (only limited depth).

STONE COLUMNS

Top feed and bottom feed vibroflots are available, as also special prepared vibratory hammers.

SURFACE COMPACTION

Specially prepared vibratory hammers with a vibration plate can compact and equalize rock and sand layers, both above and under water.

MONITORING

Working underground means that it is important to measure and monitor. A data-monitoring system is available for this. Equipped with a touch screen, an on-board computer, a depth indicator and temperature pressure sensors, everything is recorded. This system can be installed in the crane's cab.

The following data parameters can be recorded with this system;

- Date
- Pile number
- Operating pressure
- Depth measurement
- Piling duration
- Foot pedal for start/stop measurement
- USB connection for reading out and storing the measurement data





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