

ENGINEERING A SOLID FOUNDATION

DIESEKO GROUP

Dieseko Group B.V., Netherlands



BUMA CE CO., Ltd, Korea



Bruce Piling Equipment, Korea



BSP International Foundations, U.K.



TYSIM, China



ANTENG, China



Dr.Digger, India



ZHENGZHONG, China



BVEM, China



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Suretech's mission
is to ensure
customer satisfaction
through innovative solutions
and exceptional
product support,
setting us apart as their
preferred choice.

ABOUT US

Suretech Infrastructure Pvt. Ltd. was incorporated in 1990 to provide specialised construction and foundation engineering equipment to the industry throughout the Indian subcontinent.

We are a family-owned business, run by qualified engineers with extensive industry experience.

Our services include the sale of globally sourced specialised equipment, servicing, providing spare parts, equipment reconditioning, dealing in used equipment and equipment rentals from our fleet of Vibro Hammers and Spider Excavators.



Our areas of operation include:

- Piling, foundation and ground improvement solutions
- Earth moving and Road construction solutions

We are proud to be the distributors for the following equipment manufacturers:

DIESEKO GROUP



VIBRATORY HAMMER ▲

The largest suppliers of vibratory hammers in the world and in India as well. Known for their robust design, advanced technology and ability to work in high ambient temperatures.
Wide range - Eccentric moment 14kgm to 500kgm.

Applications

- Pile driving and extraction
- Sheet piling, tube piling, Pre-cast Piles, deep soil compaction, Raker Piles
- Trench Compaction, Drive Fence Poles, Timber and Wooden Piles
- Resonance free models available for noiseless operation

Options

- Crane Hanging
- Excavator Mounted

► DIESEKO PILE LIFTING DEVICE FOR PILES < 80MT

The Pile Lifting Device (PLD) is a certified tool which lifts and aligns the pile into the tube clamps.

- Time saving
- Hydraulically and mechanically integrated
- Single winch operation

The PLD is mounted to the Vibratory Hammer's suppressor housing and connected to the pile by two chains. The Vibratory Hammer is pushed down by a hydraulic cylinder and the clamps are placed precisely around the tube. This process takes only about 1 minute.



BRUCE



◀ BRUCE VIBRO HAMMERS

Wide range - Eccentric Moments from 11.5 kgm to 220 kgm.
Centrifugal Forces from 510 kN to 4610 kN.
Equipped with quality and efficient hydraulic motors and bearings.
Eccentrics that are connected with gears to maintain a proper sync.
Eccentric to gear fasteners guarantee a trouble-free and effective pile driving.
Gear Box components are modular designed for a perfect centre of gravity.

Applications

- Pile driving and extraction
- Sheet piles, Casings, Raker Piles

► BRUCE IMPACT HAMMERS

BRUCE Hydraulic Impact Hammers are highly versatile and suitable for various pile driving conditions.

- They are capable of driving concrete, steel casing, round, square, or H-Beam piles, and more.
- They support multiple driving methods such as Fixed Leader Mounting, U-Type Leads, and Crane Suspended Type hanging driving.
- Product range includes models with energy capacities from 2.4 ton.m (24 kNm) to 200 ton.m (2000 kNm), with the option for even larger hammers.
- They can drive all types of piles on leader or crane suspension and can accept drive cap inserts for most types and sizes of piles.
- They also control the stroke precisely to match hammer energy helping prevent pile damage and pile runaway.



BUMA CE CO. LTD.



◀ REVERSE CIRCULATION DRILLING RIGS

Suitable for drilling of large diameter (600mm - 7000mm) marine piles.

Applications

RCD is an efficient, safe and environment friendly solution for large dia rock drilling for Marine structures viz jetties, berths, dry docks, bridges and piers.

- Large dia (600 to 7000mm)
- Deep depth (higer than 50m)
- Hard Rock Drilling (75MPa-250MPa)
- Bore Piling in Marine Condition

HAMMER GRAB ▶

Hammer Grab with free-fall function of crane has efficient boring ability in large diameter piling. Large grab open diameter is available for excavating and removing the gravels and boulders.



BSP TEX LTD



◀ RAPID IMPACT COMPACTOR

RIC is a Dynamic Compaction technology for increasing the bearing capacity of soils through controlled impact.

RIC is used for compacting the top layer of soil upto 6-9m depth. Drop weight of 9-16 tonnes is dropped 40-60 times a minute.

Dropweight Mass 9000-16000 kg
Hammer Energy - 110-240 kN.m

Applications

- Foundation Support
- Floor Slab Strengthening
- Liquefaction Mitigation-Improve Seismic Class
- Waste Stabilization-Environmental Remediation

ANTENG



◀ VIBRO HAMMER

The vibratory hammer generates high-frequency vibration through the rotation of the eccentric blocks. The eccentric blocks appear in pairs, rotate in opposite direction, the transverse centrifugal forces counteract each other, and the vertical centrifugal forces are superimposed. High-frequency vibration makes the soil liquefy instantly, and then the pile is plugged into the soil through self-weight and downward pressure.

Anteng Vibro Hammers can be used for driving and extracting casings and sheet piles.. Uses include deep foundations, trenches, ports, and bridge projects. Anteng offers both normal and variable frequency series to optimize efficiency across different soil conditions, minimizing time and cost.



ZHENGZHONG

▶ ELECTRIC VIBRO HAMMER

Zhenzhong's DZ/EP Series Vibrohammers are a widely used pile-foundation construction equipment in China. These electric vibro hammers can be operated using a freely suspended crawler crane for both driving and extracting piles. They are versatile, suitable for various pile applications including steel sheet piles, I-beam, H-type and I-type piles, steel pipe piles, precast concrete piles, and gravel piles. Zhenzhong, established in 1983, is a high-tech enterprise specializing in the R&D, manufacturing, and sales of piling machinery.



TYSIM

► PILEBREAKERS FOR ROUND AND SQUARE PILES

The TYSIM Hydraulic Pile Breaker, including the “Bumblebee” series, is a third-generation modular and multi-functional solution designed for efficient and cost-effective pile breaking. This advanced tool focuses on high efficiency and lower operational costs. TYSIM is recognized for its expertise in small and medium-sized piling machinery, ensuring that their pile breakers integrate with their core philosophy of creating value.



◀ PILING RIG

ROTARY DRIVE

Rig for foundation of Power Transmission Tower

- Transmission tower projects are affected by hilly terrain, geology & transportation challenges. Tysim Rigs provide a solution:
- Multifunction lightweight drilling rig <30T
- Single load transportation, height <3.5m
- Retractable Tracks 3600-2600mm
- 25° Slope climbing ability: walking traction 230 Kn
- Working height 12.37m
- Large diameter drilling - 600-2400mm



DR. DIGGER

► SOIL MIXING ATTACHMENT

Dr.Digger Soil Mixer is a soil mixing attachment for excavators that converts the conventional excavator into a powerful and versatile mixing tool capable of penetrating and effectively mixing a variety of difficult materials – everything from clay, silt, peat, sludge, and sediment, to dredged material and contaminated soil. This mixer attachment can be used with any type of binder i.e. Dry powder, wet grout, or just air can all be used as binder feed to the mixer. Powered by the excavator auxiliary hydraulic system, and benefiting from its reach, the attachment can mix materials up to a depth of 8m.



► TOP GRIP HAMMER

Bigger and heavier eccentric weights - most powerful in its class. Auto Hold function on 90-degree tilt position. 15% higher productivity and efficiency than traditional vibro hammers.

Applications

- Sheet Pile driving and extraction
- H/I Beam driving and extraction



► SIDE GRIP HAMMER

360-degree swivel rotatable grip pads enable precise and accurate side clamping. Faster penetration and extraction than any other side grip pile drivers. Versatile piling at confined spaces. Low and easy maintenance. Rigid and durable.

Applications

- Confined area piling
- Tubes and casings, driving and extraction



BVEM

HYDRAULIC VIBROFLOTTATION AND GROUTING EQUIPMENT

Advanced electric, bottom feed, and top feed and hydraulic vibroflots designed for making stone columns, compact loose soils and improve the ground load bearing capacity.

This method enhances soil density, reduces settlement, improves drainage, and increases bearing capacity, contributing to more stable construction projects



MOVABLE TOWER ASSEMBLY DEVICE

KB-2Y50, lightweight and portable tower assembly device assembly, designed for trouble-free and safe erection of power transmission towers with max working height of 54.7m

- The crane crawler vehicle can easily traverse open grounds
- The spider legs bear the load with strong terrain adaptability
- Crane is equipped with a slew limiter, a height limiter, and an amplitude limiter



OUR ESTEEMED CUSTOMER BASE

Afcons Infrastructure Ltd	Pratibha Industries
Tata Projects Ltd	Punj Lloyd
ITD Cementation India Ltd	Valecha Engineering
Dilip Buildcon Ltd	DVP Infra Projects Pvt Ltd
G.R. Infraprojects Ltd	Bridge & Roof Co. (India) Ltd
Reliance Infrastructure Ltd	Soma Enterprises
Ashoka Buildcon Ltd	IVRCL Infrastructures & Projects Ltd
Shapoorji & Pallonji	Reliance Gas
Adani Ports & SEZ Ltd	Paresh Foundations
Simplex Infrastructures Ltd	Kazstroy Service Infrastructure India Pvt Ltd
L&T Geostructure	Naveen Merico Engineering Co.Pvt.Ltd
L&T Construction	Jindal Infrastructures Pvt. Ltd
L&T Hydrocarbon Engineering Ltd	Continental SAAN Infraprojects
HCC	Apco Infratech Pvt. Ltd
Navayuga Engineering Co. Ltd	Khan Infratech
Gammon Engineers and Contractors Pvt Ltd	Mohan Mutha Export Pvt Ltd
Essar Projects, Essar Constructions (India) Ltd	Shivalaya Construction Pvt Ltd
Megha Engineering & Infrastructures Ltd	M J Infra
Keller Ground Engineering India Pvt Ltd	Sri Jagannath Transport Corporation
S.P. Singla Constructions Pvt Ltd	Mallick Hiring & Earth Movers
U.P. State Bridge Corporation Ltd	SS Pilling Rentals Pvt. Ltd.
Coastal Marine Construction & Engineering Ltd	Compact Infra, Delhi
J. Kumar Infra Projects Ltd	Sugam Infrastructure Ltd.
ARSS Infrastructure Projects Ltd	Jhajharia Nirman Limited
Mundra Port Ltd	Plac General Trading FZCO / Euro world International
Patel Engineering	Urmilla Enterprises Pvt. Ltd. Chennai