

SUCTION MACHINES



Vacuum Trucks and Suction Excavators are special vehicles created for sucking material, which could be liquid or muddy (in the case of Vacuum Trucks) or even solid (in the case of Suction Excavators).

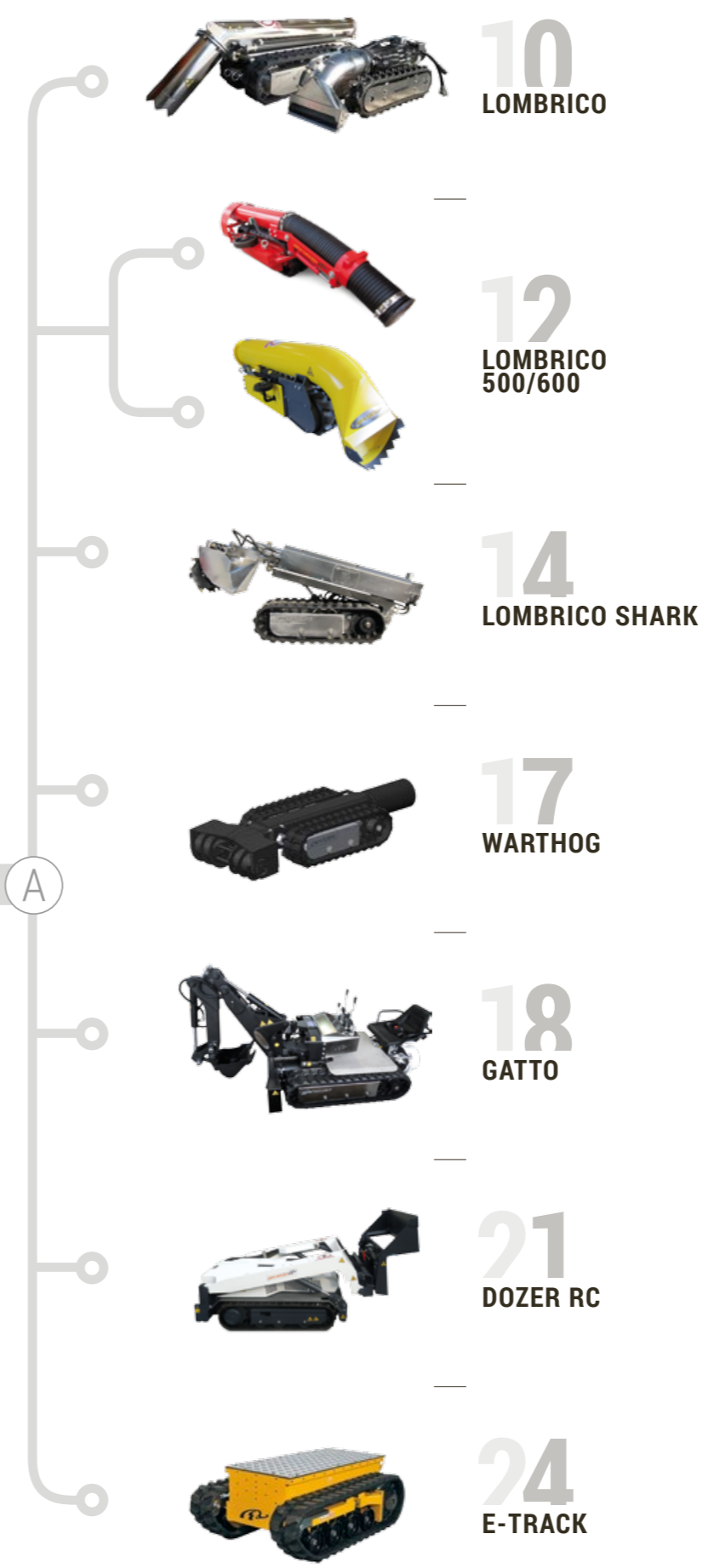
Both machines are composed of a container, mounted on a chassis, and of a suction hose. A pump (or a ventilator system) creates the vacuum, so the material is sucked through the hose and then collected inside the container. In most cases, the hose is carried by hand to reach the material to remove, but this activity exposes workers to many dangers, such as exposure to chemical agents and dangerous substances.



For this reason, Gerotto has created the Mini Excavators: these robots are connected to the suction hose and the operator uses a remote control to drive them, from a safe area, reducing the exposure to the risks.



Example of Mini Excavator connected to a Vacuum Truck.



LOMRICO
Double Tracked Mini Excavator, hydraulically driven from an external hydraulic source and controlled through a hydraulic manual manifold. Suitable for under conveyor cleaning operations, in mining industry and for confined spaces activities.

SINGLE-TRACKED LOMBRICO 500/600
Single Tracked Mini Excavator with lateral stabilisers. Designed for recycling technology and for ducts and sewers cleaning operations.

LOMRICO SHARK
Double Tracked Mini Excavator hydraulically driven from an external hydraulic source and Wireless Remote Controlled. Suitable for the cleaning of tanks, collectors and ducts in dangerous atmospheres.

WARTHOG
Double Tracked Mini Excavator, hydraulically driven from an external hydraulic source and controlled through a hydraulic manual manifold. Suitable for under pipe-lines cleaning and all the applications with very height-limited environments.

GATTO / GATTO RC
Double tracked Mini Excavator equipped with a hydraulic arm and an optional suction hose passing in the middle of the Tracks for material removal and/or aspiration. Suitable to work in confined spaces, such as underground pipes and siphons.

DOZER RC
Radio Remote Controlled Mini Loader, suitable for moving heavy material from A to B with a high production rate. Suitable for working in Mining Industries, Steel Companies, Under Conveyor Belts Cleaning and Tanks Remediation.

E-TRACK
Electric and Radio Remote Controlled Tracked platform for creating different types of Mini Excavators. No dangerous emissions: suitable for working in confined spaces not limited to ducts and tunnels.