



a company of

**+BUSIGROUP**

**REFUSE  
COLLECTION  
VEHICLES**





# REFUSE COLLECTION VEHICLES **T-REX**



# SERIES **T-REX**

## SLEDGE AND COMPACTOR EQUIPMENT

VSC – T-REX with Sledge and Compactor system is part of the Refuse Collection Vehicles (RCV) family, designed, manufactured and commercialized by Busi Group companies.

Refuse Collection Vehicles are ideal for door to door waste collection system in urban areas such as historical town or city centers and mountain locations. The loading is usually made by bin lifter (AVC) and it

is also possible manually (only in exceptional cases).

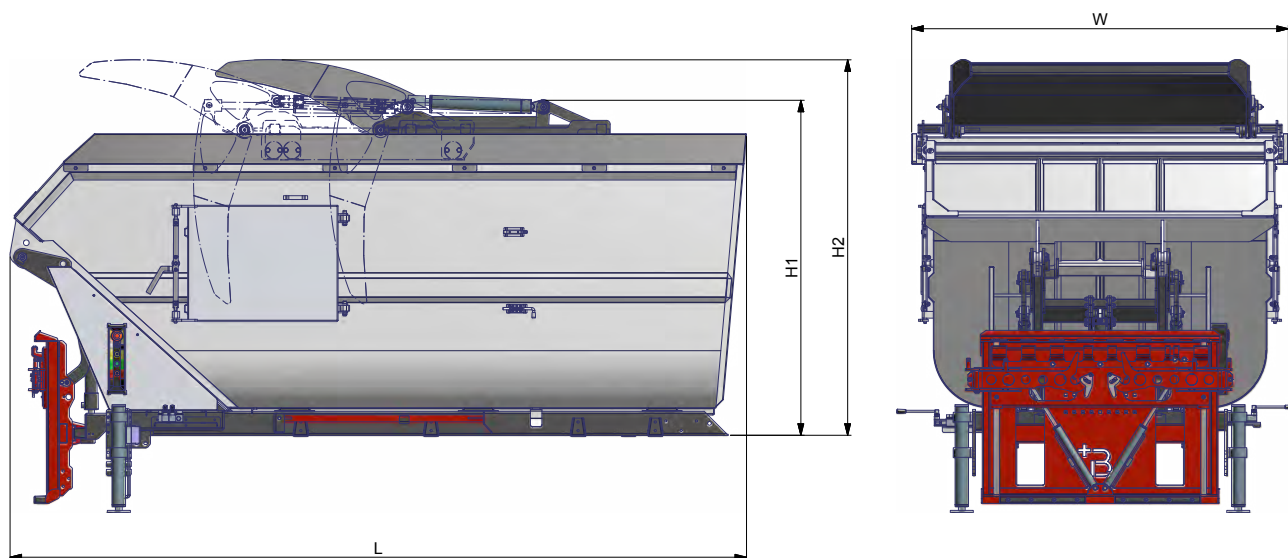
The manual waste collection is made easier by a side door, supplied as standard. When the door is open the system stop the Sledge and Compactor movement.

The unloading step is by tipping and it can be made directly to the point of waste handling, inside medium/large compactors or inside roll-off compactors.



# SERIES T-REX

## SLEDGE AND COMPACTOR EQUIPMENT



### CHARACTERISTICS

Capacity (m <sup>3</sup> )	5	7	8	10
Used material	S355JR	S355JR	S355JR	S355JR
Exterior length "L" (mm)	3340	3850	3850	4500
Exterior width "W" (mm)	2030	2030	2230	2250
Low loader exterior height "H1" (mm)	1650	1760	1760	1760
High loader exterior height "H2" (mm)	1750	1960	1960	1960
GVM recommended (ton)	3,5	3,5 / 5,5	7,5	7,5 / 12

## STANDARD SUPPLY

- Tipping action synchronized with stabilizers.
- Double acting cylinder for body tilting mechanism, equipped with hose break valves and over-centre valves.
- Lateral door (right side / direction of travel)
- Emergency stop devices at each sides.
- N.1 Flashing beacon.
- N. 1 Working light.
- Safety rod for maintenance operations.

## CONTROL DEVICE SYSTEM



Body tipping action: Lever distributor with two-hand control device (hold-to-run) and stabilizers synchronized with the tipping action.



Bin lifter action: Lever distributor with two-hand control device (hold-to-run) for lifting and tipping actions.



Control panel on dashboard for running position.

## BIN LIFT TIPPING DEVICE (AVC)

- DIN mount for 660 – 1100 litre four wheeled bins (UNI EN 840).
- Comb lifting device: for 80 – 360 litre two wheeled bins (UNI EN 840).
- Safety side guards.

## SATELLITE VEICHEL EQUIPMENT

- PTO gearbox ON from cab (button + clutch).
- Hydraulic Pumps.
- Oil tank.
- Plastic fenders.
- Side guards.
- Side marker lights.
- Standard CE, maintenance and use manual and safety stickers in English language.

## PAINTING CYCLE

- Cleaning, pickling and interior paint with water epoxy primer.
- External painting WITH LOW ENVIRONMENTAL IMPACT polished catalyzed polyurethane water soluble enamel applied with Airless technology within the thickness of 70 - 90 microns, in single colour to define. Drying with forced drying oven at a temperature of 60°.

# MAJOR STRENGTHS

A team of technicians, engineers and designers work daily in OMB design department. Design is basic to improve the product performance. Thanks to a constant updating of the equipment and programs, OMB guarantees the best quality of each product. The continuous updating allows to study solutions

functional to each single customer requirement. Design, function, specialization permit to design avant-garde products. Thanks to specific structural analysis and a constant monitoring assessing all possible case reports, OMB guarantees an excellent check-up all process long.



Container bottom to sides jointed with rounded shape metal sheet to avoid accumulation of dirt or waterlogging.



Container bottom to head metal sheet, jointed with 45° angle to avoid accumulation of dirt or waterlogging.



BIN LIFT TIPPING DEVICE (where requested).  
The bin stays in vertical position (Red Layout) until the last tilting step, without spilling humid fraction on the floor.



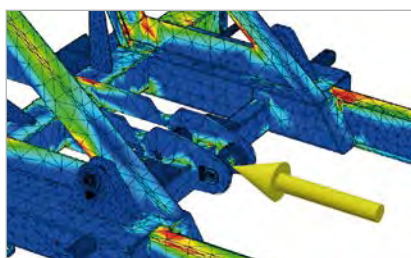
Comb device (where requested), sliding on chrome cylinder rods and bushings with greaser point.



Single blade and slide (where requested) sliding on ERTALON slides positioned in the 5 mm thickness grooves.



Single blade cylinders (where requested), with bracing system to avoid sudden movements and mechanical recoil.



Container structure analysis with "the finite element method (FEM)".

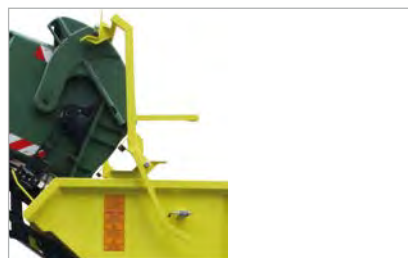
# OPTIONAL



01 Roll tarp cover system.



02 Arm device for hitching "BOLOGNA" containers.



03 Lid openers for round top DIN 1100 litre bins.



04 Second lateral door.



05 Bin lifter equipped with openable bag system.



06 Bin lifter equipped with fixed container.



07 Hanging system for broom or shovel.



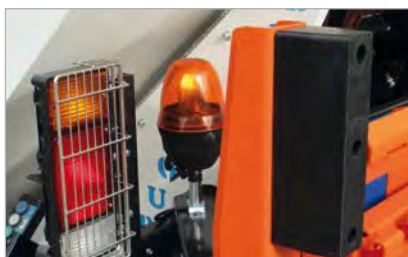
08 Working light.



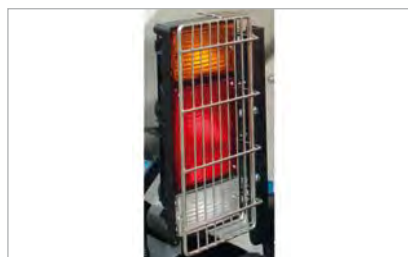
09 TVCC and monitor inside the cab.



10 Stabilizer with roller.



11 Rubber bumpers.



12 Steel headlight guard.



A team of professionals and engineers able to offer a qualified after-sale service. From the customer requirement it is possible to express new solutions or improve the existing ones.



## The power of a strong group. *The Busi Group's integrated system.*



The strength of Busi Group is the result of a virtuous system, unique in its kind, which sees the perfect **integration and synergy between the companies** that make it up.

An integrated and dynamic system, constantly updated, in which each company complements the other and, through the **sharing of technology, knowledge, skills and analysis**, making it possible for Busi Group to enter the market **with a complete range of cutting edge products**.

From production to distribution on the market through a sales network that operates in Italy and abroad, the Busi Group integrated system is able to ensure optimal performance of products and **consulting services and assistance to solve all customer requirements regarding waste management**.

Specialized in specific collection systems, Busi Group companies are:



*B.T.E. S.p.a based in Paitone, in the province of Brescia, is a company that since 1991 produces and markets products for the collection, compaction and transport of waste (equipment for vehicles, special equipment, roll-off compactors, stationary presses, roll-off boxes, demountables and tanks).*



*MEC S.p.a , based in Mondovì, in the province of Cuneo, has been operating since 1966. Taken over in 2005, it produces loaders, polyps, demountables, skip loaders and trailers, agricultural demountable with exhaust thrust system.*



*OMB Technology S.r.l. based in Brescia, has been operating since 1961. Taken over in 2014, it is specialized in the production of containers and vehicles for the side and back loading collection of waste.*









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