



# ORBIT 500EL

# PRODUCT CATALOGUE

WE SIMPLIFY  
YOUR LIFTING  
TASK

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ORDER 5000EL

# ELECTRIC POWERED COUNTERBALANCED CRANE

The ORBIT 500EL pick and carry crane is a fully electric swivel crane with a maximum lifting capacity of 500 kg. The standard configuration includes a double electric boom enabling an overhang of 2410 mm. The crane's ballast does not exceed its 990 mm width even during rotation. The counterbalanced concept eliminates the need for lateral outriggers, enhancing mobility while carrying a load. The control levers enable operators to control all movements of the arm (rotation included) at adjustable and progressive speed. The crane's exceptional steering angle facilitates movement through narrow spaces and enables rotation in confined areas. The ORBIT 500EL is engineered to provide exceptional lifting capabilities while ensuring operational ease and safety. Powered by maintenance free AGM sealed batteries, it can be equipped also with Lithium batteries. External battery charger. Unique safety features to prevent the load from lowering in case of hydraulic system failure and overload protection.



LIFTING CAPACITY

**500 KG**

JIB ARM SWIVEL

**210°**

MAX. LIFTING HEIGHT

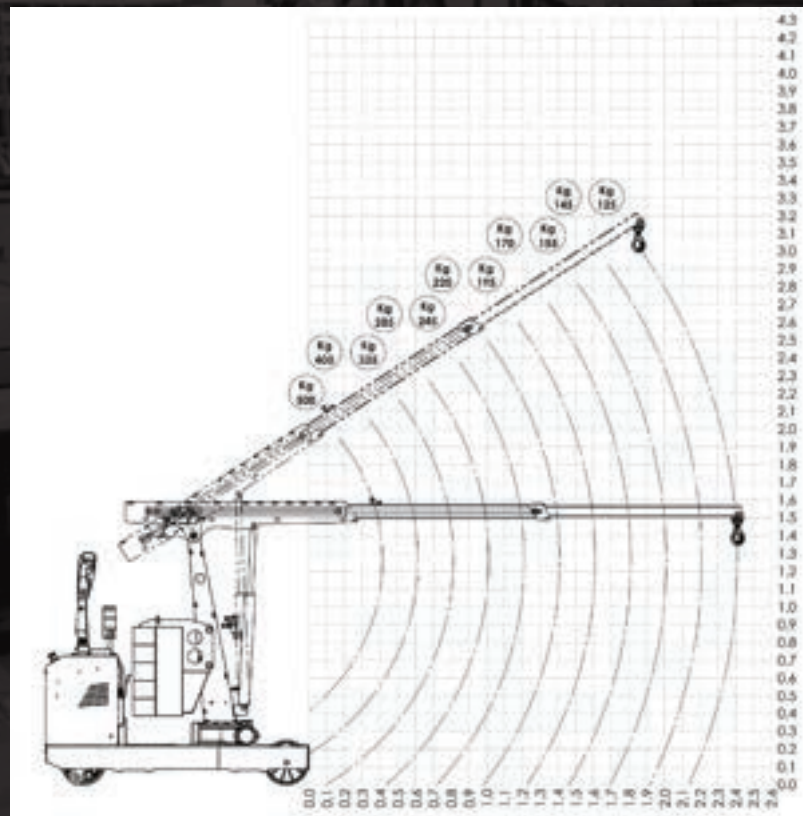
**3033 MM**

MAX. OVERHANG

**2410 MM**

# LOAD CHART

## ELECTRIC BOOM



# MAIN FEATURES

Display featuring:  
Working hours gauge  
Real-time battery voltage  
Battery capacity in percentage

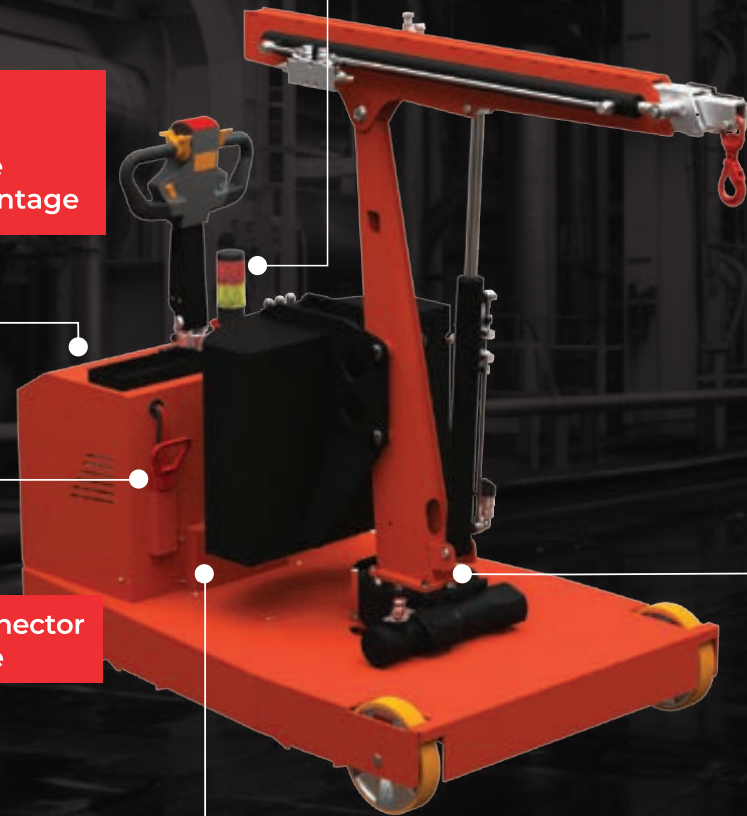
Detachable power connector  
with ergonomic handle

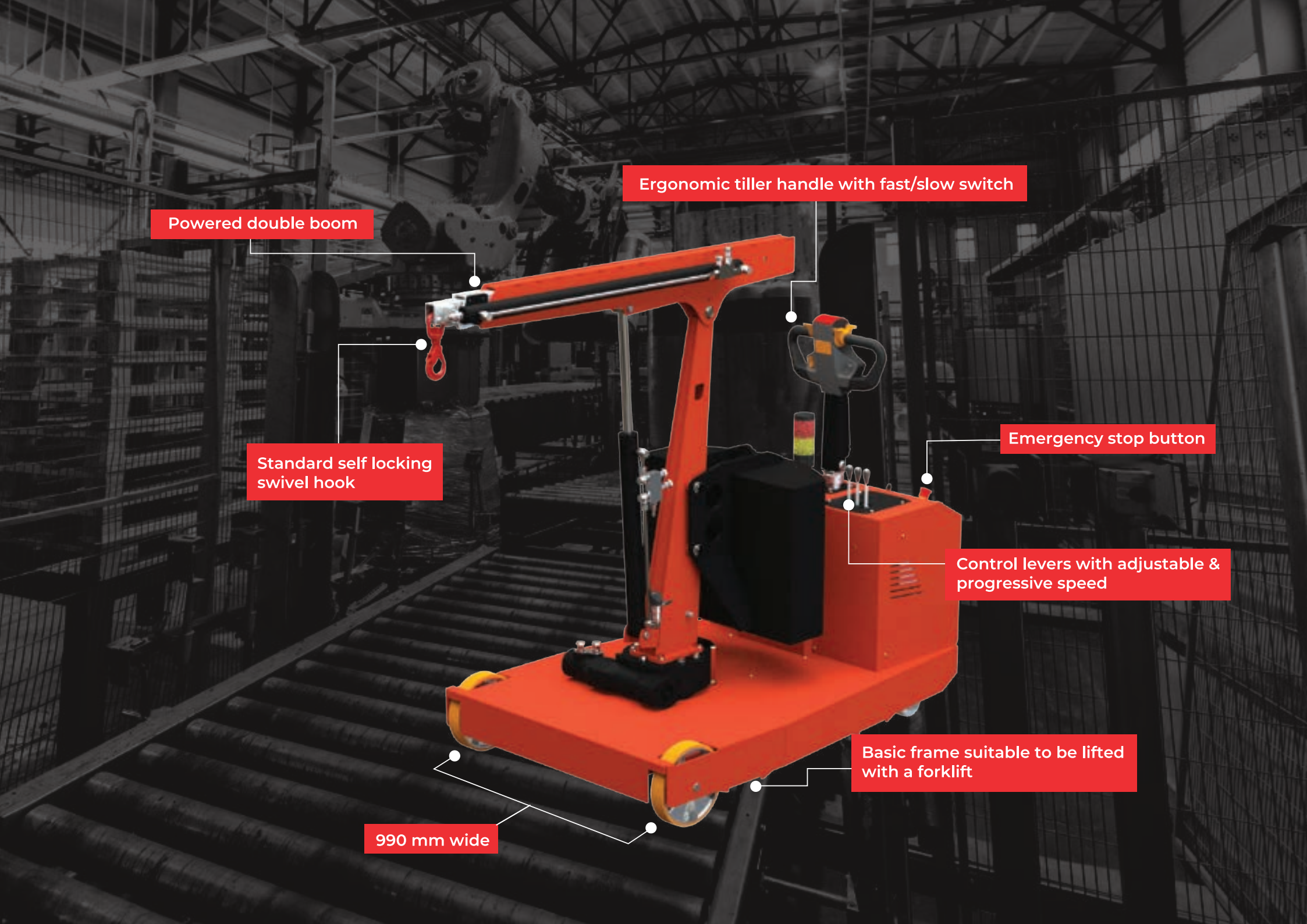


LED stack tower lights  
Flashing yellow light = machine running  
Steady red light = machine overloaded

210° motorized rotation system

External battery charger connector





Powered double boom

Ergonomic tiller handle with fast/slow switch

Standard self locking swivel hook

Emergency stop button

Control levers with adjustable & progressive speed

Basic frame suitable to be lifted with a forklift

990 mm wide

# 8 GOOD REASONS TO CHOOSE A FLEXLIFTING CRANE



## EASE OF USE

Thanks to their intuitive design our cranes are easy to use and do not require an extensive staff training. A user friendly solution that improves efficiency and productivity at once.

## NO INSTALLATION REQUIRED

All our cranes are counterbalanced which means that a load can be picked & carried without using outriggers. Just turn the key on to get the cranes working. Our cranes come fully assembled and are ready to use. No installation = zero additional costs and waste of time.

## VERSATILE AND FLEXIBLE

Unlike fixed cranes, mobile cranes can move to several plant areas. No licence required. Our cranes can get closer to the load even in presence of obstacles or perimeter protections. They can be equipped with several type of underhooks.

## COMPACT DIMENSIONS

One of the main benefits of mobile cranes is their level of flexibility. This is particularly important in areas that have limited space or many obstacles in the way, and since they take up a lot less room they are a favoured choice for busy locations. Portable cranes can also be taken inside buildings, making them the perfect solution to in-door projects.

## PRECISE POSITIONING

The use of mini cranes, especially the ones equipped with a progressive speed control, lead to a better accuracy when positioning a load or a component that must be handled with care such as molds, engines, etc.

## LOW MAINTENANCE

Our cranes offer long-term performances with a short-term return on investment thanks to their low maintenance costs and reduced downtime, compared to other lifting equipment.

## FAST LEAD TIMES

One of our main goals is to be able to meet our customers' demand as efficiently as possible, always ensuring a ready-to-ship stock of almost all our mobile crane models.

## INCREASED ERGONOMICS

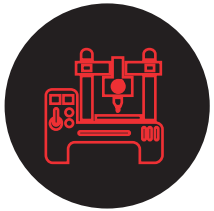
The use of mini cranes for moving and lifting loads eliminates physical efforts and manual operations and reduces injuries caused by musculo-skeletal trauma.

# POPULAR APPLICATIONS & MARKET SEGMENT



## MAINTENANCE

Cantilever cranes are often used in the aviation industry for specific aircraft-related tasks. For handling engines, dismantling seats, raising sensitive components such as radars or antennas, etc.



## CNC MACHINES

Using mini mobile cranes for tool changing and positioning on CNC machines improves the efficiency, safety and precision of machining operations. They have become essential equipment in many high-precision production workshops.



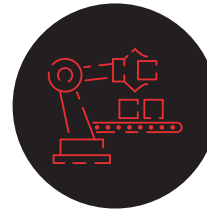
## PICKING

Using mini mobile cranes to bypass ground obstacles, where traditional workshop cranes cannot access due to their stabilizing legs, offers a practical and effective solution in various scenarios. They are extremely useful tools for lifting tasks in hard-to-reach spaces.



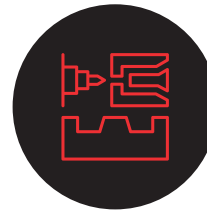
## TESTING

Counterbalance cranes are versatile and precise tools for positioning components on test benches. They offer benefits in safety, productivity and flexibility, making them a common choice for companies involved in product manufacturing and testing.



## ASSEMBLY LINE

Using mini mobile cranes along assembly lines can improve production efficiency, reduce the risk of accidents, and enable loads to be handled precisely in spaces where other equipment can't be maneuvered. This helps optimize manufacturing operations.



## PLASTIC INJECTION PROCESSES

Using counterbalance cranes to change molds is a common practice in the manufacturing industry, especially in the production of plastic parts, die-cast products and other molding processes.

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