



MAINWAY

COBOT

COLLABORATIVE
ROBOTS

VS

DUOBOT

INDUSTRIAL
ROBOTS



Industrial automation has seen unprecedented advancements in recent years, and one of the most prominent is the development of collaborative robots, known as "cobots". These robots have been positioned as a valid option for a wide range of tasks and processes within the industrial environment.

Initially, many companies adopted cobots for palletizing process on their production lines, attracted by the advantages they promised. However, over time, specific **limitations have emerged for this particular process**. As a result, increasingly more companies are opting to use industrial robots for palletizing processes due to the numerous advantages they offer, such as robustness, efficiency, and load capacity.

In response to this growing demand, SPS has developed an **innovative solution**: the **DUOBOT palletizing cell**. This new **industrial alternative** has been specifically designed to meet the industry's needs, offering a more **reliable and durable option** compared to collaborative robots.

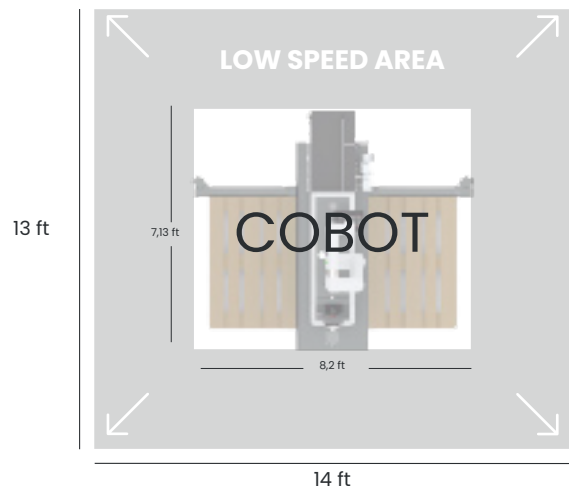
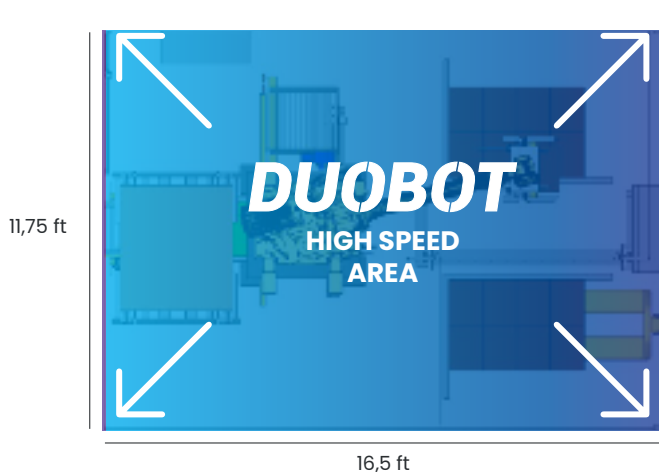


MAINWAY

MAXIMUM PRODUCTIVITY IN ONLY 194ft²

Unlike cobots, the DUOBOT offers maximum productivity with a footprint of just 194ft², which is only 1m² larger than a standard collaborative robot. Cobots are equipped with sensors that reduce their speed and power when they detect a human presence, thereby limiting their production.



The **DUOBOT**, on the other hand, has **3 safety zones** and **two alternative palletizing positions, allowing the operator to enter and remove the entire pallet while the robot continues working** on the other side, thus preventing pauses in production. In addition, the DUOBOT palletizing cell is equipped with CE-compliant safety software.



THE COBOT CONCEPT WITH THE RELIABILITY OF AN INDUSTRIAL ROBOT

By utilizing a **comb gripper**, it provides versatility in that it can adapt to various types and sizes of boxes, ensuring accurate and secure positioning on the pallet. This gripper can handle **loads of up to 40 kg**, a capacity that a cobot could not support.

The industrial robot used in this cell is extremely **strong and durable**, characteristics that do not even compare to those of a cobot. The DUOBOT represents a **secure long-term investment**.

	WEIGHT	SPEED	SIZE	STRENGTH	VERSATILITY
DUOBOT	90 lb	Up to 20 c/min	194 ft²	Fork gripper Industrial robot	Cases from 5x5x4 in until 24x16x16 in 
COBOT	33 lb	Up to 8 c/min	182 ft²	Suction gripper Collaborative robot	

In conclusion, the DUOBOT represents a new era in industrial automation, **overcoming the limitations of cobots** in the palletizing process. Its size, strength, efficiency, and versatility make the **DUOBOT** a **safe and durable industrial palletizing solution** that meets the demands of the industry.