

**SAPELEM › ROBOTICS › HANDLING › AIR TANKS**

**AIR TANKS MANIPULATOR by SUCTION CUPS**

**PROJECT: Supplying a tank assembly workstation**

The manipulator must grip the compressed air tanks in a crate and release them on an assembly bench for trucks.

**CUSTOMER APPLICATION:**

WLL: 12kg

Sizes:  $\varnothing$  276 to 300mm – length = 250 to 550mm

Pace: 20 (cycles/h)

**ADOPTED SOLUTION:**

2 swivelling suction cups  $\varnothing$  85 for an adaptation to the different tanks with no adjustment

Secured air-saving vacuum generator

Valves for a quick release of the parts (avoids self-priming)

Automatic grip as soon as the suction cup gripper is positioned on the tank

Integration under crossed profiled rails: 6m x 7m

The gripping/up and down/releasing operations are combined to guarantee the safety and the pace.

The long handle enables to grip at the bottom of the crate.



*SAPELEM is present in every industry and conceives high performance handling systems adapted to every activity.*

*Whatever the product weight, height, size or material, our engineers and ergonomists will find the solution to handle your products intuitively.*

*Please feel free to present us your handling projects.*