

SAPELEM › COBOTICS › HANDLING › BARRELS

BARREL EMPTYING MANIPULATOR by PILOTED CLAMP

PROJECT: Emptying plastic and cardboard barrels

The manipulator must grip the barrel on a lifting table, to then pour its contents in a tank.

Plastic barrels and cardboard barrels: different tightening efforts

CUSTOMER APPLICATION:

WLL: 60kg max

Pace: 120 (cycles/h)

Continuous balancing of the load variation during the emptying of the barrel

ADOPTED SOLUTION:

ELS electric vertical position balancing to compensate the emptying

Gripping the barrel thanks to a clamp with 2 stainless steel jaws

Tightening secured by pressure control, whatever the diameter of the barrel to grip

The swivelling of the clamp enables to pour the contents of the barrel in the tank, without changing the balance of the barrel.

Integration under an R2a multi-articulated arm, range: 3.6m; assembly on the ceiling.



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.

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