

## SAPELEM › ROBOTICS › HANDLING › GRAPHITE PARTS

## GRAPHITE PARTS MANIPULATOR by FORKS

## PROJECT: Unloading “basket” graphite part

The manipulator must grip a graphite part “basket” on a trolley, slowly and precisely (slack < 5mm).

The manipulator must then release the “basket” in its package, without shock.

## CUSTOMER APPLICATION:

Capacity: 25kg max

Pace: 1 (cycle/h)

Very breakable and expensive parts

## ADOPTED SOLUTION:

The Z movement speed is automatically reduced during the approach.

The operator impales the trolley with the gripper to grip the “basket”.

Gripping secured by pneumatic clamp

Z movement limited by virtual tunnel, in order to avoid any shock during the release

Integration under an R2a multi-articulated arm, range: 3.6m

Transfer and release of the “basket” in its package; the long handle guarantees a correct posture for the operator.



*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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