



3-Axis Vibration Technology
Innovation by asyri!l



SACMO is a French machine builder that offer to their customers packaging machinery systems and automated lines, from design to assembly, mainly for the cosmetics and pharmaceutical industries.

Integrated Products

Two Asycubes 530
Flexible Feeding Systems



Delicate handling of high-quality Cosmetic powder applicator

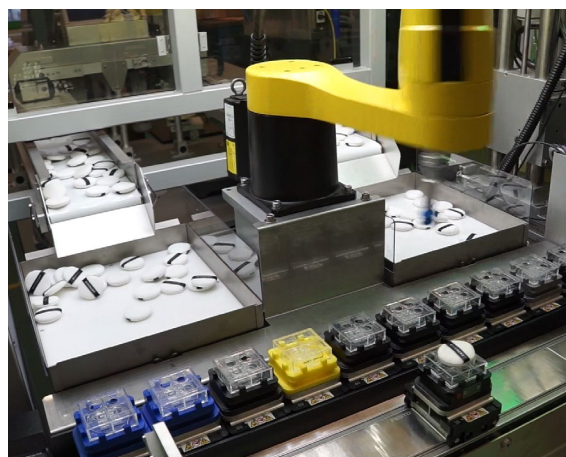
A flexible and future proof assembly machine made by SACMO for a major luxury cosmetics brand.

Challenge

- ▶ Place the applicator (soft pad for applying makeup powder to the skin) of different shapes, color and sizes in an elegant luxurious packaging.
- ▶ Ensure brand visibility by always placing the applicator with the name of the brand oriented horizontally and on the top of the packaging.
- ▶ Handle delicately those light and deformable applicators without damaging their quality (no oily marks, no deformation of the product due to gripper or handling).
- ▶ Traditional bowl and centrifugal feeders were not meeting the brand requirements for high flexibility. Indeed, the applicator can be of different shapes, colors, or sizes. It could also be replaced by a completely different kind of accessory such as a makeup brush.

Solution

- ▶ **Two Asycubes 530** have been used in conjunction with a **Fanuc SR scara robot** to feed the different types of applicators at a **rate of 45 PPM** (parts per minutes). The pre-filled makeup boxes are presented individually to the feeding station thanks to a **modular Festo electromagnetic conveyor**.
- ▶ Thanks to **Asyri!l easy-to-use feeder configuration software**, SACMO configured the perfect vibrations to ensure applicators can re-orientate without deforming nor damaging them.



- ▶ The **camera** looking on the Asycube detects precisely the parts with the right side facing up and gives the angular orientation information to the robot for a fast and delicate pick and place.



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to watch the video

Advantages

- ▶ Highly compact solution reducing machine footprint in an expensive cleanroom environment.
- ▶ The customer can now change production every two days in just a few clicks, no mechanical tooling to be changed.
- ▶ A step towards mass customization thanks to industry 4.0.
- ▶ Machine is modular and future proof to new applicator designs.

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