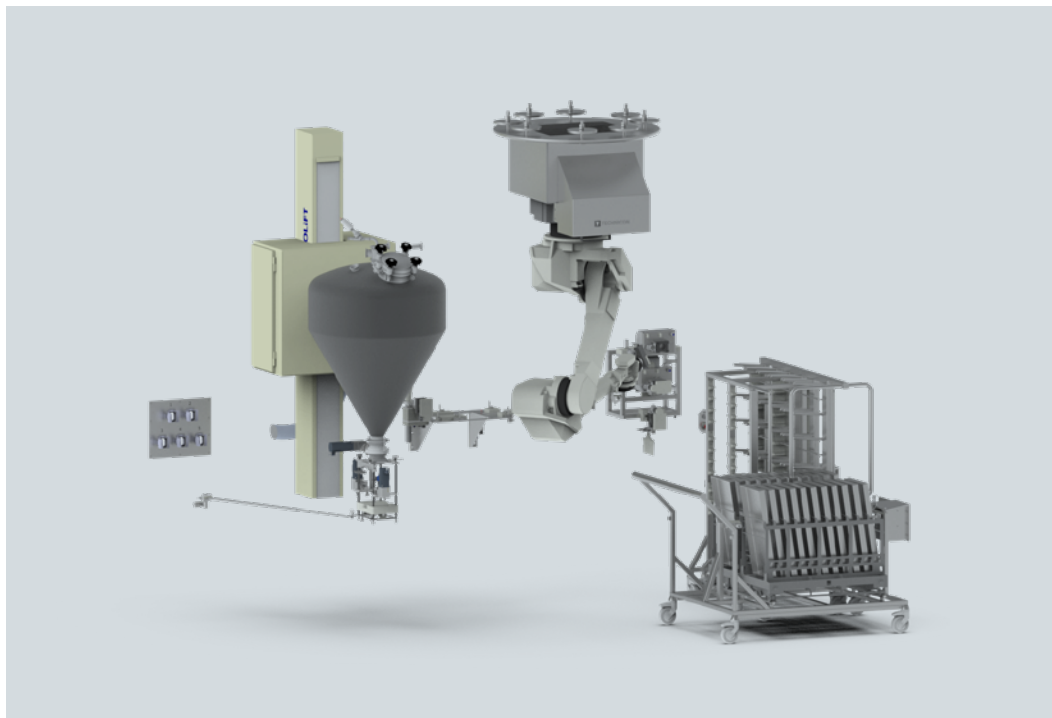


## SOLID DOSE MIXING

**Solid Dose Mixing** is an innovative multitool robot system. The solution efficiently eliminates heavy, repetitive air-related manual handling of freeze-dried powder.



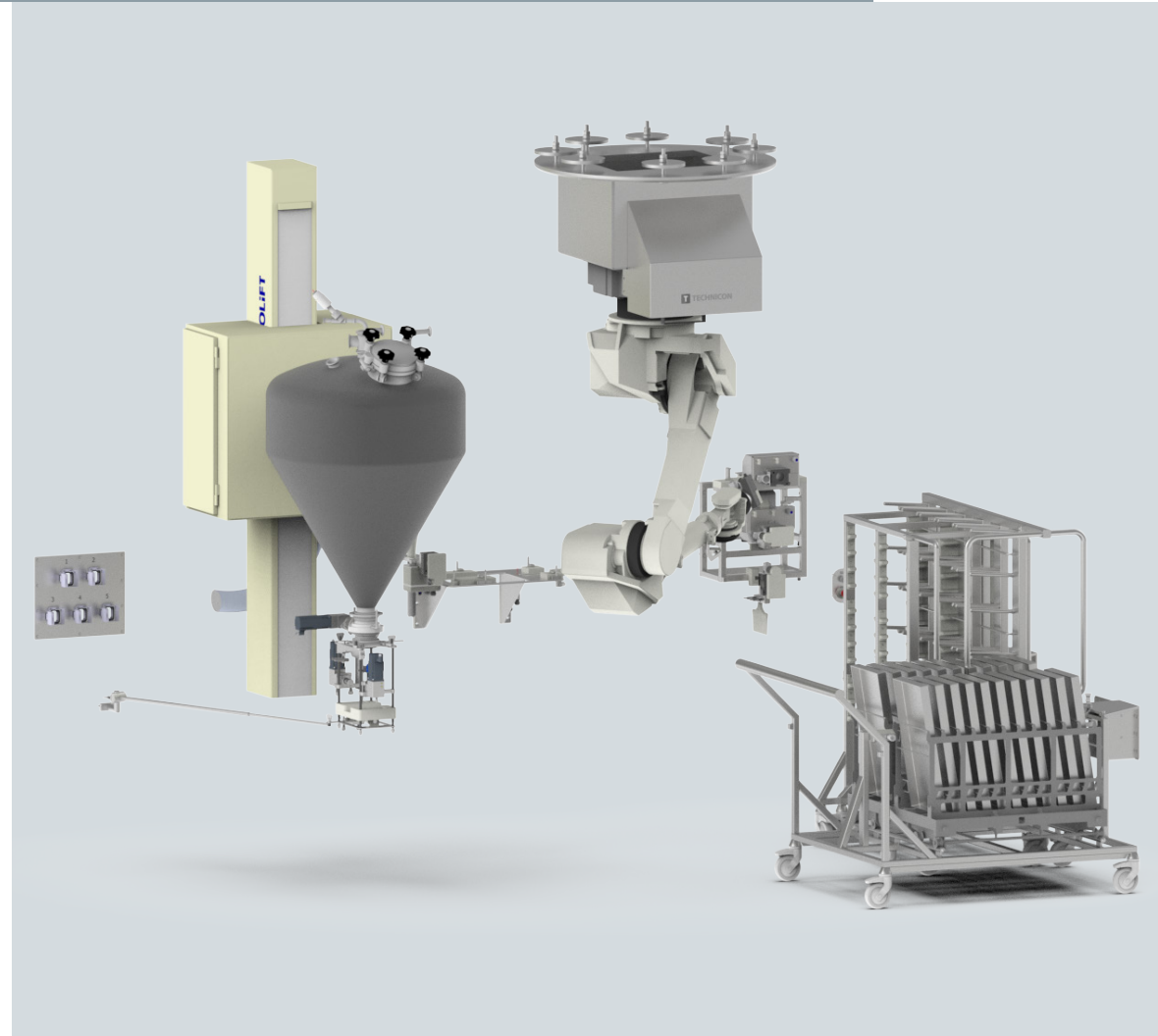
## Challenge

Manual handling of freeze-dried powder is costly and burdens the working environment. The freeze-dried powder must be repeatedly finely ground, transferred to tanks, and finally filled into containers.

The frequent heavy lifting of trays containing freeze-dried powder increases strain and risk of arthritis. Additionally, manual handling poses human error and contamination risks.

## SOLUTION OVERVIEW

- + **Solid Dose Mixing** consists of a ceiling-mounted, cleanroom class C Fanuc 710 (M710 IC-50) robot with an integrated sensor.
- + The Fanuc robot is equipped with a tool changer setup, allowing it to seamlessly switch between a multitude of specially designed, fine-mechanical tools.





TECHNICON CASE

## Solution Benefits

- + **Solid Dose Mixing** is an innovative and versatile robot system that improves the working environment by effectively removing heavy lifting.
- + The solution frees up resources, allow operators to handle more value creating tasks, minimizes the risk of human error, and simultaneously reduces contamination risks.