



# FULLY AUTOMATIC SOLUTION FOR FOSB PACKAGING

Fully automatic. Safe. Efficient.



## The autobagging tool: Fully automatic packaging of FOSBs

The packaging of wafers for transportation to a semiconductor plant (FAB) is a complex process and is subject to the strictest criteria. We have fully automated the packaging process! Our AutoBagging Tool (ABT) significantly increases throughput and offers a considerable increase in quality and safety during packaging. The throughput is 3,000 to 8,000 FOSB/month (75k to 200k wafers/month).

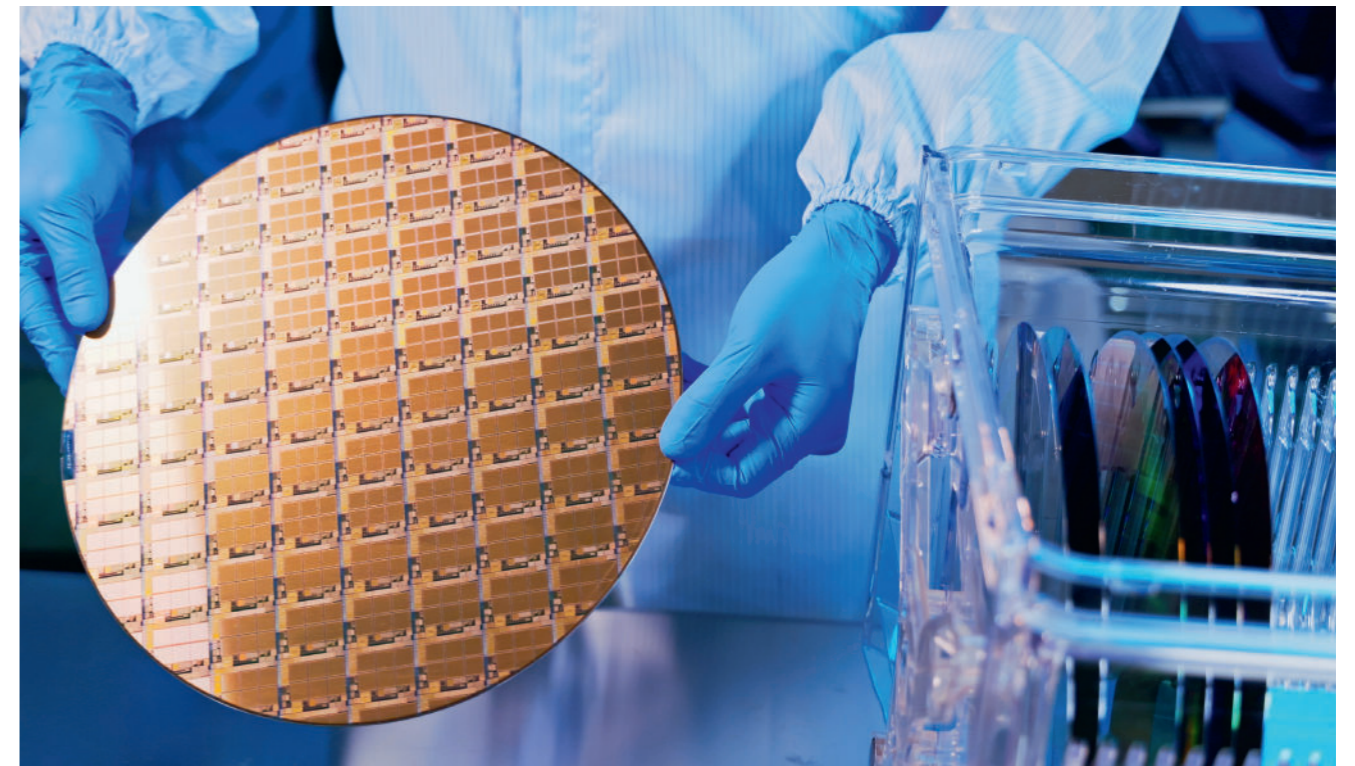
### The advantages at a glance:

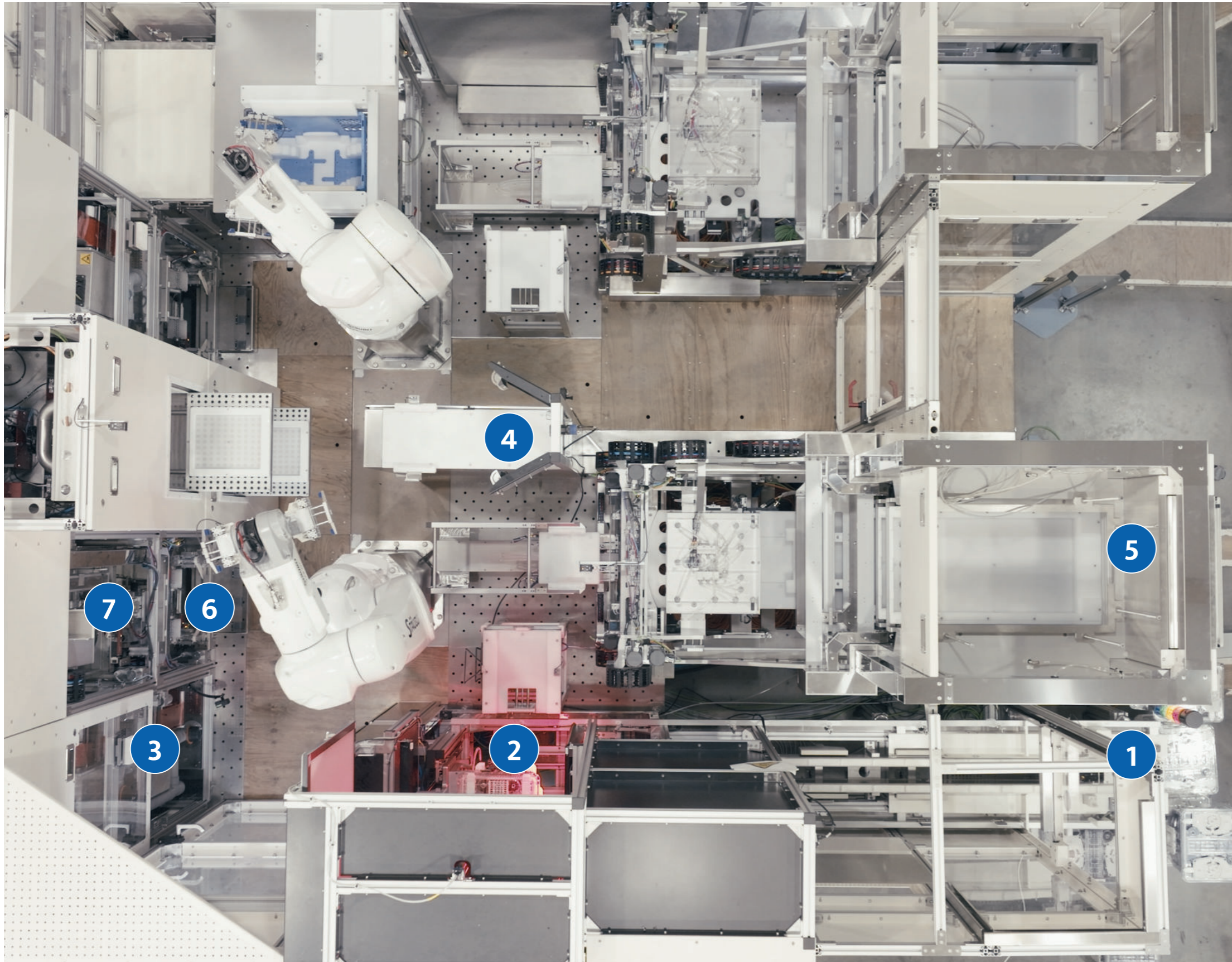
- Increase in efficiency
- Significant reduction in the error rate
- Increase in quality
- Reduced workload for employees
- Usually no set-up time required

The packaging machine, the test chamber, the robots and all other components are placed in a complete cell. This has an infeed conveyor for the unpackaged FOSBs and an outfeed conveyor for the packaged FOSBs. Various checks (cross-slot, fill level, attachments) as well as labeling (including checking the print) and folding/ gluing the bags are carried out entirely in the ABT.

### Numerous checks guarantee a safe packaging process:

- Cross-Slot-Check
- Attachment testing
- Checking all applied labels (quality and content)
- 100% Leak test





- 1


**Infeed belt**  
Feeding of the unpacked FOSBs by OHT, AMR or operator
- 2


**Review**  
Cross-Slot-Check and Attachment testing
- 3

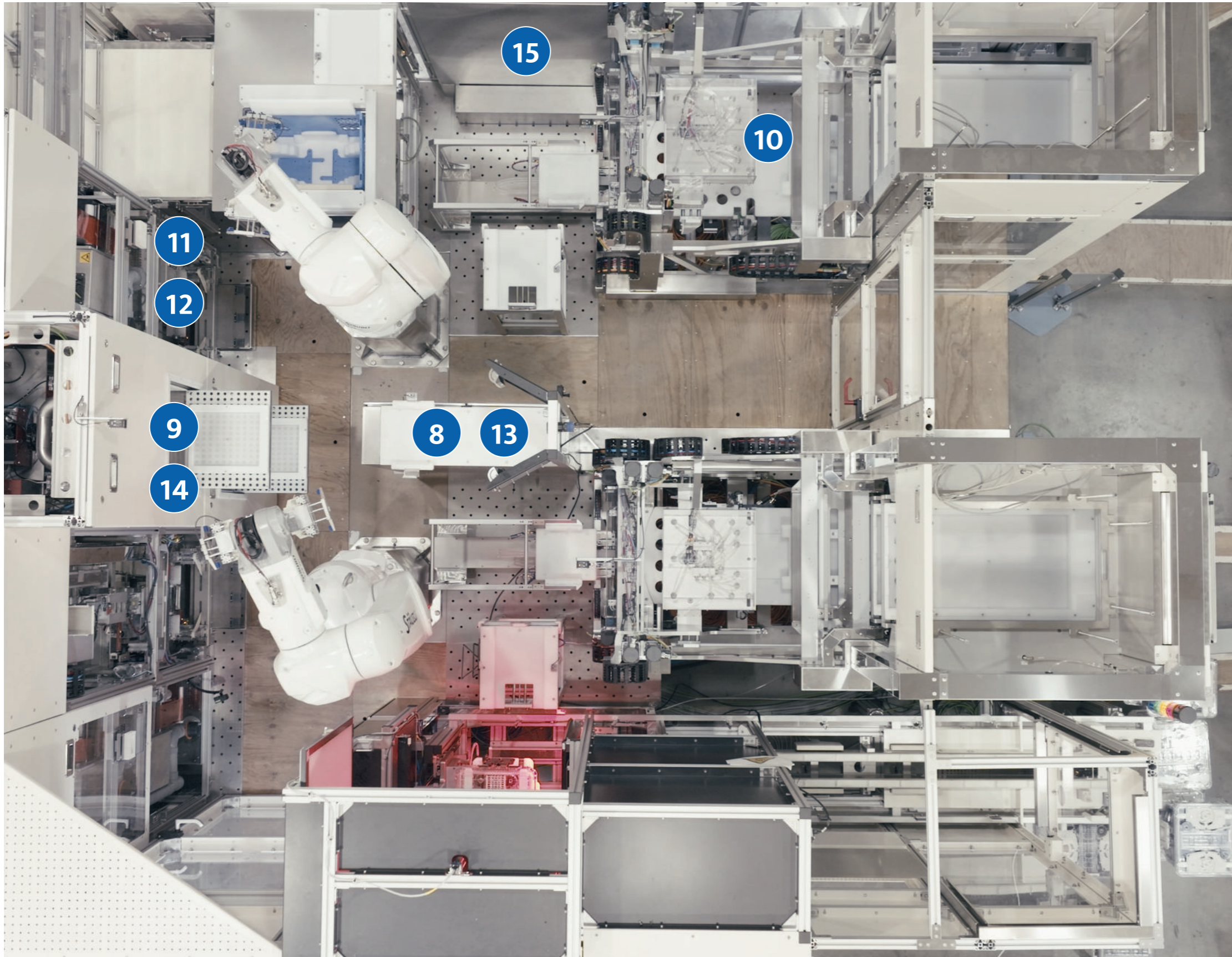

**Labeling FOSB**
- 4


**Quality check of the label**
- 5


**Packing and sealing inner bags**
- 6


**Folding and sticking the overhang**
- 7


**Labeling inner bag, attach desiccant bag**



- 8


**Quality check of the label**
- 9


**Leak test with test gas**
- 10


**Pack and seal in outer bag**
- 11


**Folding and sticking outer bag**
- 12


**Labeling outer bag**
- 13


**Quality check of the label**
- 14


**Leak test with test gas**
- 15


**Extraction**



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