

Tyre Pressure Sensor Test Line

AUTOMOTIVE APPLICATION



Combination of a final test line for tyre pressure sensors and an end-of-line packing. The products enter the line in trays where a gripper takes out 4 products at a time and places them into a carrier. The next 3 cells each accommodate 4 test units that consist of rotating cylinders under pressure to simulate tyres. In the test cells the dual head gripper takes a tested product out of the test unit and replaces it with a new product, taken out of the carrier. After the final test the carrier moves on to the 2 labeling cells where the 4 products are individually labeled. In the packing cell a gripper takes out the 4 products in one movement and packs them into cardboard boxes that fit 120 products. Full boxes exit the line at the back of the packing cell.

- Magazine Loading
- Tray Unloading
- Functional Test with rotation
- Functional Test with pressure
- Data Management
- Vision Test & Control
- Labeling
- Packing



EXPERTS IN FACTORY AUTOMATION

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Equipment

- CAT-1600 Pick & Place Cell
- CAT-1600 Test Cell
- CAT-1600 Labeling Cell
- CAT-1600 Packing Cell

Facts

- Cycle time: 4 sec per product
- Output per year: 6.9 million
- Up-time: 80 %
- Yield: > 95 %

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