

Streamline your production with Unitech De-Palletiser Tables

Project:

To design, supply and install Unilever Leeds with two de-palletiser tables to receive depalletized layers of empty deodorant cans and streamline them, positively and gently into a single file for discharge to a downstream process via a series of single file conveyors.

Materials:

- Predominantly 304 grade stainless steel
- Movex Series 150 modular belt with 8mm pitch
- Nylon guide rails—antistatic
- Klockner Moeller isolators
- Siemens S7—1500 PLC
- Simatic HMI and inverters
- Pilz PNOZ safety circuitry



Unitech Engineering worked closely with Unilever to design and manufactured two bespoke de-palletiser tables. Our client requested from the start of the project that we adhere to their mechanical and electrical standards and specifications. This included us using their preferred suppliers for some of the components.

Each unit has a throughput of 350 cans per minute and was designed to handle 35-53mm cans of differing designs. Each table receives layers of cans 1200mm wide leading x 1000mm and is 5550mm in length and 1485mm wide.

Due to the bespoke nature of this project, numerous trials took place to ensure maximum efficiency with design amendments along the way and additional safety requirements requested by our client. One snagging point encountered was that the taller and slimmer of the cans occasionally fell due to their design. Unitech worked around this by designing removable centre rail arrangements which could be used when these particular cans were in production.

Both units are now installed and are successfully up and running at Unilever in Leeds.

To discuss similar projects, please contact your local Unitech representative or contact the office on the number below.



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