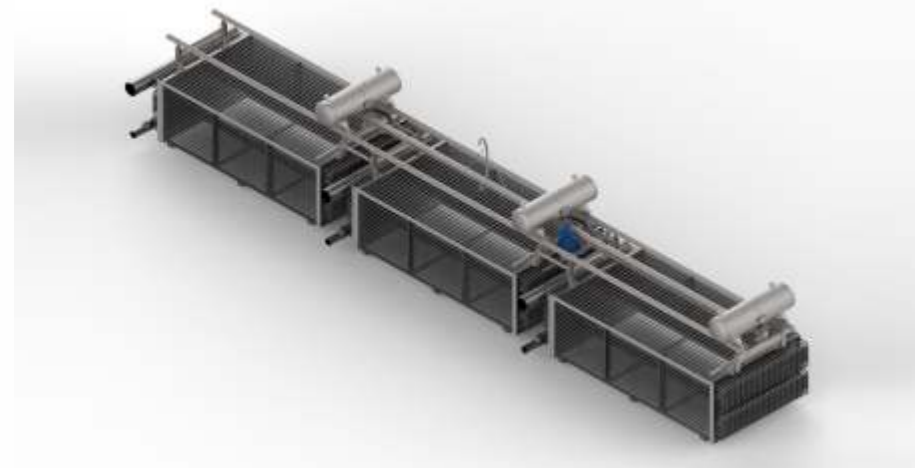
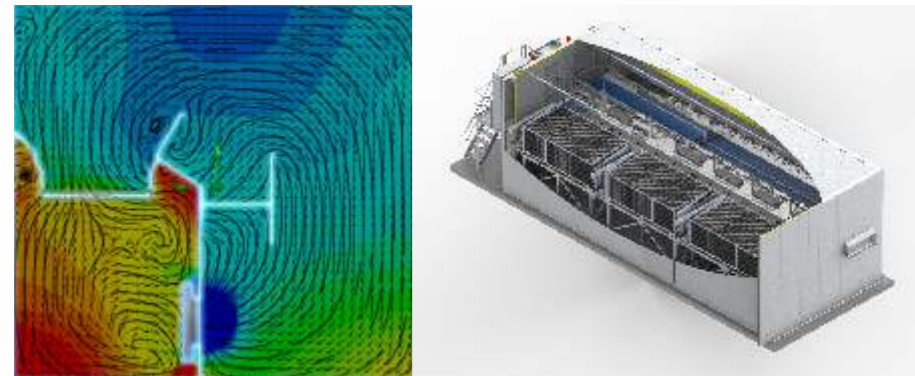




ABOUT US

Unidex J. Kania J. Wiktor Sp. J. were founded in 1992 by engineers with vast experience, dating back to early eighties, in production of food processing machinery and equipment.

Today the scope of activities ranges from design, production to on-site installation of fluidized freezing tunnels (IQF) destined for freezing of fruits, vegetables, meat, poultry, fish and seafood.



THE MAIN OBJECTIVES OF TUNNEL DESIGN:

- obtaining the highest possible quality of frozen products
- freezing widest possible range of products
- easy operation and maintenance
- durability and reliability
- reduction of energy and water consumption
- increased production time between defrosting due to application of Frost Removal System (UDS)
- short downtime between freezing cycles
- high output to tunnel dimensions ratio



TUNNEL CONSTRUCTION

Tunnel design

Two pressure chambers (in option three) with radial fans and frequency inverters on fans to control fluidisation process.



Belt

Made of acetal in blue colour according to the individual order. Enables transport of raw material inside the tunnel and due to its design does not block the flow of cold air through the whole layer of frozen products.



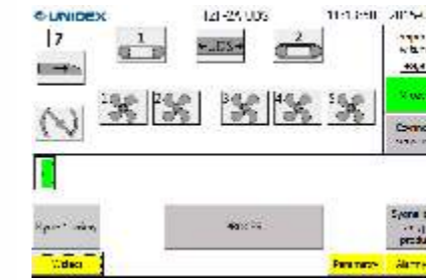
Vibrating feeding unit with stand

Device for even spreading of the product on the belt and removing excess water prior feeding of the product into the tunnel. With 9 levels of adjustment.



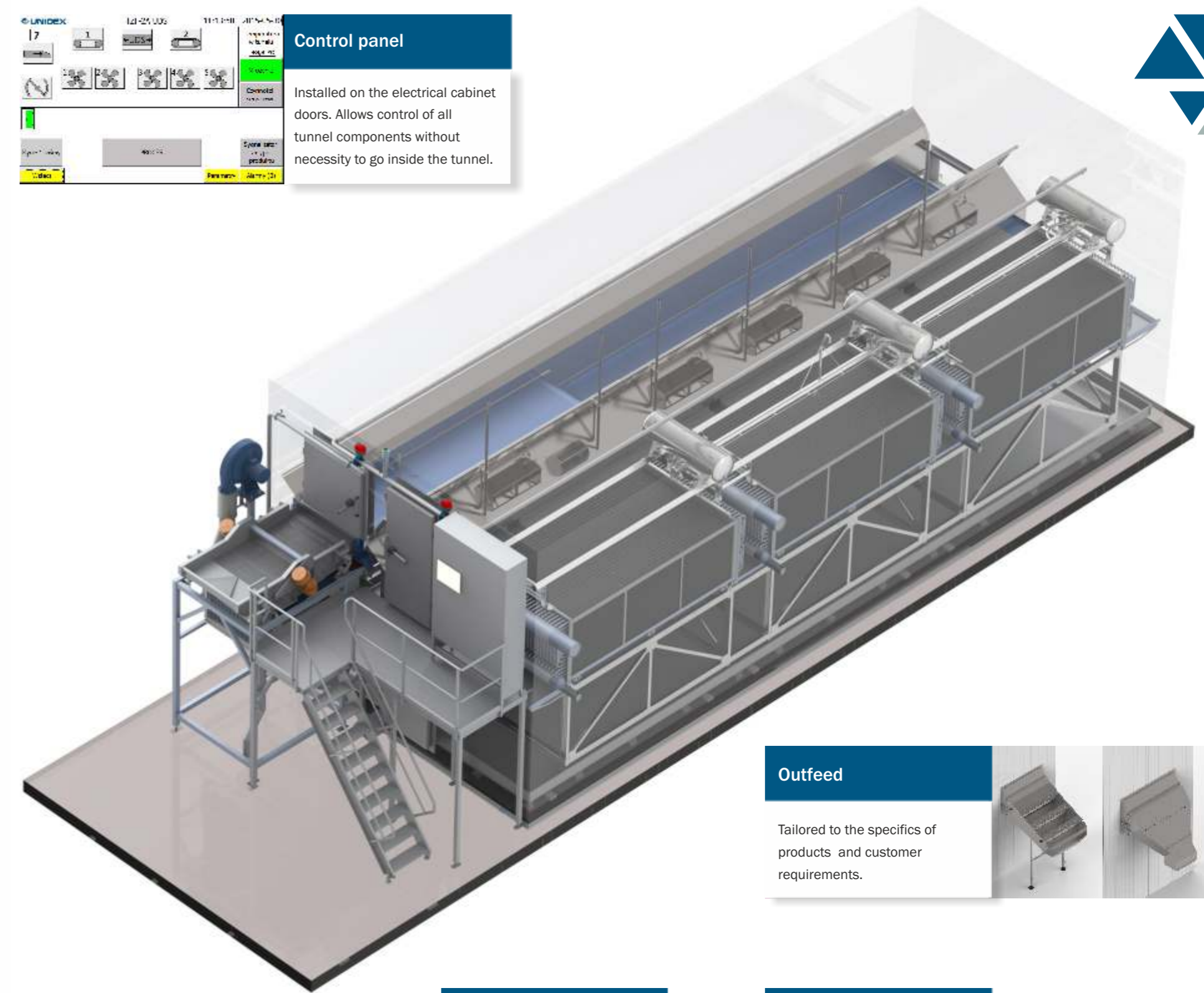
External washing system of the first belt

Installed under vibrating feeding unit on the front stand. Enables periodic washing of the first belt without production stop. Continuous or repeated cycle in intervals from 15 to 300 min (every 15 min) are also possible.



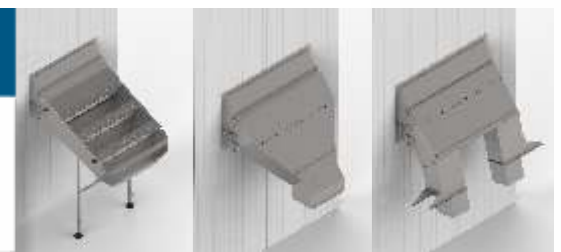
Control panel

Installed on the electrical cabinet doors. Allows control of all tunnel components without necessity to go inside the tunnel.



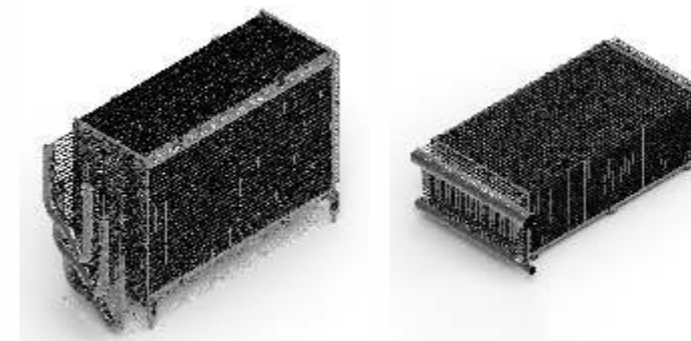
Outfeed

Tailored to the specifics of products and customer requirements.



Evaporators

For freon or ammonia systems. Manufactured by Unidex.



UDS

Equipment for continuous removal of frost from evaporators. Extends the operation time of the tunnel between defrosting.

