

DOHMEYER

CRYOGENIC • FREEZING • PRECISION

Trideck
Tunnel



**Cryogenics give you
fast, efficient, quality
assured freezing**



Trideck Tunnel

The Dohmeyer Trideck tunnel provides flexibility and efficiency for your production process. It has been designed with class leading hygiene features: there are no seals, the top lifts along the complete length giving easy access for cleaning and all internal surfaces slope towards drainage points. The three-belt system is perfectly compact and provides ultra-fast freezing, while being designed for IQF.



Increased safety



Easy to operate



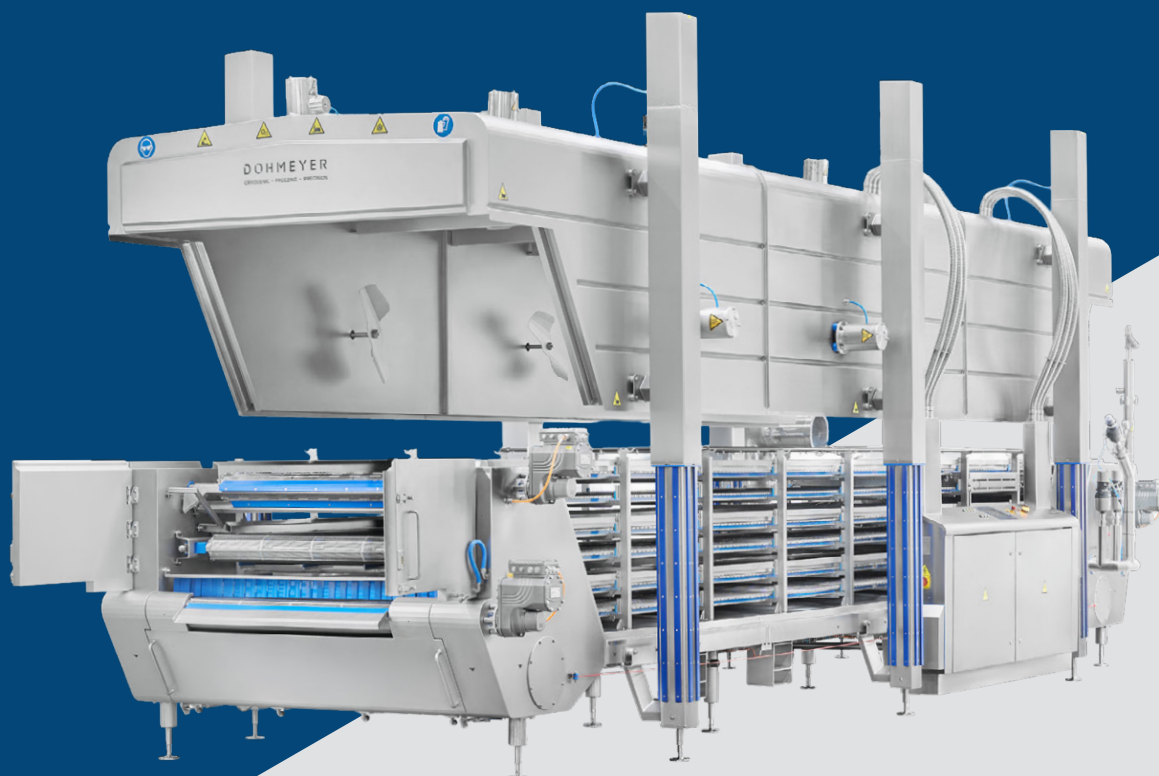
Very high efficiency



Reduced freezing time



Easy to clean



WIDTH USEFUL	25"	35"	47"
BELT WIDTH [MM] TOTAL	650	900	1210
WIDTH [MM]	2382	2636	2940

Capacity up to

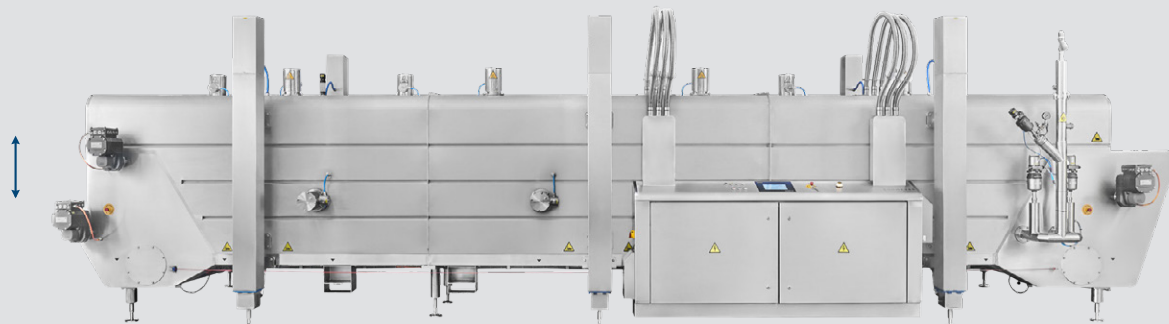
5000kg

Min. temperature

-110°C

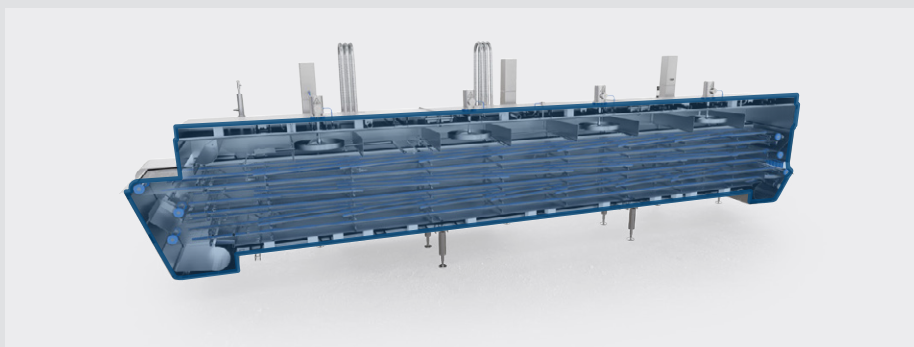
FREEZING LENGTH: 6000 mm, 9000 mm, 12000 mm

TOP HOOD OPENING: 1200 mm



TOTAL HEIGHT: 2820 mm

TOTAL LENGTH: FREEZING LENGTH + 880 mm



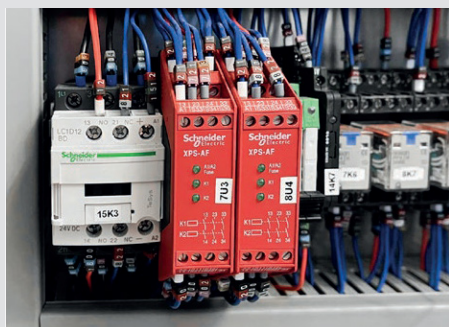
Close controlled injection of the chosen cryogen
Matched with efficient gas flow management reducing wastage of cold energy



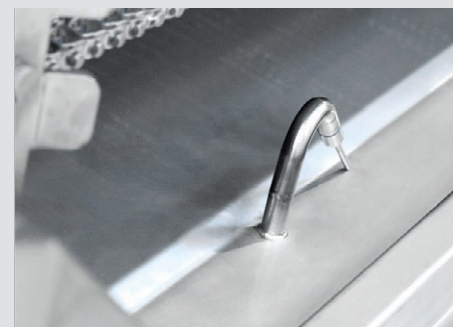
Bottom exhaust
Bottom exhaust draws cold gas through product freezing zone, thus increasing efficiency



Vacuum insulated manifold
With integrated safety valve within the cryogen inlet pipework giving pressure relief back to the storage tank



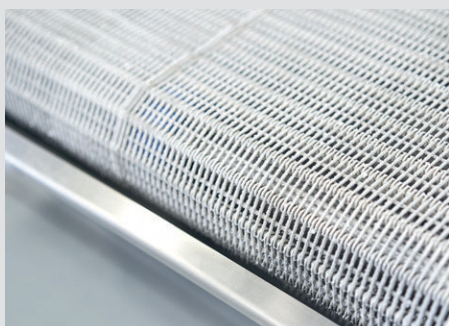
Redundant safety loop
Secondary safety system provides full back up to primary safety circuit



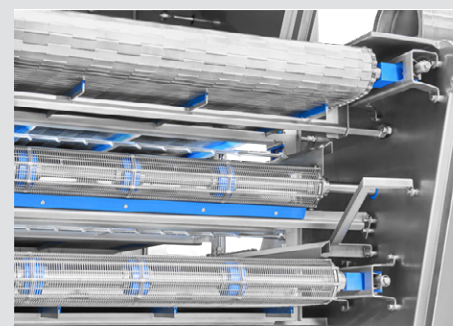
Boundry and deviation monitory
Liquid detection and temperature monitoring at edges of freezing zone



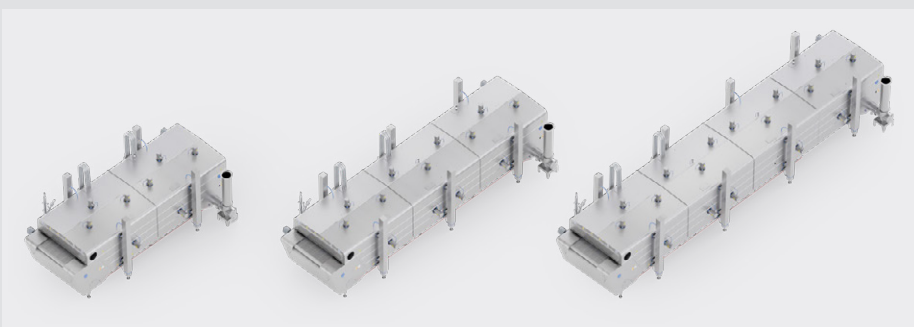
No seal
The tunnel seals without the need for a traditional gasket, removing the potential for bacteriological contamination



Hygienic eye-link belt (optional)
Easily cleanable belt with an open structure avoids trapped product



Automatic belt cleaning
Integral belt cleaning system fitted within the freezing zone



Multiple sizes
Full range of sizes available in width and length



Wide residence time range
Servo driven gearbox gives a huge range of belt speeds meaning dwell time within freezing zone can be adjusted from 90 sec to 1.5 h depends on the tunnel's length

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Dohmeyer is the leading global manufacturer of cryogenic refrigeration systems for the food processing, pharmaceutical, aeronautic, plastics and steel industries.



Support:

Dohmeyer are available 24/7 giving access to our specialist support teams providing help and advice to all our customers.



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