



NEW  
PRODUCT

# Nordfab HygiDuct

Clean Air, Clean Process: Fully Laser-Welded Ducting

In manufacturing environments - where hygiene, and compliance are non-negotiable e.g. food manufacturing - dust generated from ingredients, powders, and waste streams poses serious risks. If you're handling waste, your facility needs a dust collection solution that's robust, hygienic, and regulation-ready.

## Why Dust Collection Matters in Food Waste Applications

Australian standards such as AS/NZS 1715, AS 4674, and Safe Work Australia guidelines mandate strict control of airborne contaminants in food facilities to protect both workers and consumers. Without proper dust collection handling, dust from food processing and waste handling can:

1. **Compromise air quality**, leading to respiratory risks for workers.
2. **Contaminate products**, affecting safety and quality.
3. **Create fire and explosion hazards**, especially with combustible organic dust.
4. **Attract pests**, increasing sanitation risks.
5. **Violate environmental and workplace safety regulations**.

## Selecting the Appropriate Ducting

In food waste environments, ducting must be engineered for uncompromising hygiene, safety, and regulatory compliance. Organic dust from processing and waste handling can quickly accumulate inside poorly designed duct systems, leading to

contamination risks, microbial growth, and odours that compromise sanitation standards. To meet the stringent expectations of the food waste industry, ducting should feature smooth, crevice-free interiors that prevent material build-up, be manufactured from corrosion-resistant materials suitable for washdown, and incorporate secure, leak-tight joints to protect air quality.



Proven benefits of Nordfab HygiDuct includes improved worker safety, extended equipment life, and regulatory peace of mind.

# Nordfab HygiDuct sets a new benchmark for hygienic, compliant, and reliable ducting in food-waste environments.

## The Nordfab Advantage: Laser-Welded HygiDuct

Our new, fully laser-welded ducting system, Nordfab HygiDuct, is purpose-built for the demanding conditions of food-waste environments. Engineered to handle the challenges of organic dust, heavy contamination loads, and frequent high-pressure washdown, Nordfab HygiDuct delivers exceptional hygiene and durability. Its ultra-smooth, crevice-free interior prevents material build-up and significantly reduces the risk of contamination, microbial growth, and unwanted odours—helping facilities maintain cleaner, safer, and more compliant operations.

- 1. Superior Hygiene:** Smooth, fully laser-welded seams prevent dust buildup and eliminate bacterial growth.
- 2. Leak-Tight Performance:** Its laser-welded seams offer airtight integrity, reducing emissions and improving system efficiency. The Nordfab HygiDuct is engineered for durability and performance, the ducting components feature robust standard 1.2 mm wall thickness and raw ends for seamless integration, secured with high-vacuum, food-grade clamps that ensure a tight, hygienic seal.

- 3. Corrosion Resistance:** Nordfab HygiDuct is available in 316SS, resisting acids, moisture, and harsh cleaning agents - ideal for food waste and organic dust environments.
- 4. Modular & Scalable:** Nordfab HygiDuct is easily adaptable to new layouts or expansions as the components are available as straight ducts, bends, branches, reducers, and clamps - everything needed to build a robust ducting system.

### Ready to Upgrade Your Dust Collection system?

Whether you're retrofitting an existing plant or designing a new waste handling line, our team can help you build a compliant, efficient, and hygienic solution, including our laser-welded Nordfab HygiDuct ducting system. Our standard ducting components range from 76 - 400 mm in diameter, clamped together with our perfectly round food grade high vacuum style clamp.

Send your inquiry to:  
[Contact@Nordfab.com](mailto:Contact@Nordfab.com)

SPECIFICATION	NORDFAB HYGI DUCT*
Diameter (mm)	Standard size: 76 - 400 mm < 76 mm, available upon request
Thickness (mm)	Sizes dia. 76 - 152 = 1.6 mm. Sizes dia. 203 - 400 = 1.2 mm.
Duct length (mm)	1500 mm
Type of joint	Wide band clamp with Silicone gasket
Manufacturing process	Fully laser welded
Surface finish	Sizes dia. 76 - 152 = polished Sizes dia. 203 - 400 = Non coated 304SS.2B, Non coated 316SS.2B
Country of origin	Australia / Thailand
Warranty	12 months
Special parts availability	Based on design

\*Not suitable for applications where food ingredients for processing are directly in contact with the ducting.