

Oils-to-Carrier (O2C™)

Turning natural oils and liquids into stable, easy-to-use powders

Our O2C™ technology converts liquid oils, extracts, and functional ingredients into free-flowing, stable powders for effortless inclusion in petfood recipes. Ideal for dry food, treats, toppers, and functional formulations.

Why Manufacturers Choose Trinity O2C™

- **Clean, convenient powder formats** for oils, extracts, and functional liquids
- **Improved stability** – using natural or hybrid antioxidant systems
- **Easy handling and smooth integration** into dry blends and premixes
- Supports **clean-label, plant-based, vegan, and limited-protein formulations**
- **Reduces** oxidation risk and enables functional oils in dry formats

Did you know?

Food and pet food manufacturers increasingly convert oils into powders to improve handling, stability, and clean-label formulation. Oil powders blend evenly into dry mixes and help protect sensitive oils from oxidation.

Whether you're adding flavour, aroma, omega-3s, or botanicals, O2C™ offers a clean, efficient way to incorporate liquid ingredients into dry recipes.



The O2C™ Platform

What We Can Convert

Omega & Nutritional Oils

Plant-based omega sources stabilised for dry-food inclusion. Examples include:

- ALA-rich seed oils (e.g., walnut oil powder)
- DHA sources (e.g., algal DHA oil powder)
- GLA-containing oils (e.g., evening primrose / borage oil powder)

Supports skin & coat, cognitive, senior, and wellness-focused formulations while remaining fully vegan and free from fish allergens.

Botanical & Functional Oils

Natural botanical oils converted into clean, dry formats for functional and wellness applications. Examples include:

- Calming botanicals (e.g., passionflower oil powder)
- Digestive and metabolic support oils
- Behavioural-wellness actives

Ideal for treats, toppers, and functional diets targeting flavour, aroma, or specific wellness cues.

Organic Acids & Fermented Liquids

Acidic liquids and fermented extracts stabilised for dry inclusion. Examples include:

- ACV powder (apple cider vinegar)
- Other organic acid systems

Provides natural acidity, palatability, and clean-label acidification without handling liquid vinegar.

Antioxidant & Stability Systems

Natural or hybrid antioxidant systems spray-dried into stable, easy-to-dose powders. Examples include:

- Natural mixed tocopherols
- Vitamin-rich oil systems

Supports oxidative stability, nutritional fortification, and clean-label declarations.



Tell us about your challenge

We can convert your oil, extract, or functional liquid into a stable, easy-to-use powder customised to your formulation, carrier, and shelf-life requirements.

Trinity Partners Ltd. Ashbourne, Derbyshire UK

Bespoke functional & botanical blends

Specialist ingredient supply • Liquid-to-powder conversion

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