

Fats, Oils & Lipids

Our Specialty

Our Capabilities = Your Success

POS Pilot Plant helps you put high quality products into the marketplace faster using cost effective methods. We achieve this by augmenting your resources with our experienced staff and our full range of options for contract R&D, analytical services, and small scale specialty toll processing.

Our fats, oils & lipids capability covers oilseed crushing, solvent extraction and oil processing – including removal of environmental contaminant residues from omega-3 fatty acids in marine oils.

Quantities range from grams to multi tons serving your bioprocessing needs at every stage of the development process – whether you are developing food ingredients, wellness products, or non-food industrial bioproducts.

Advantages that Make a Difference

Key advantages include:

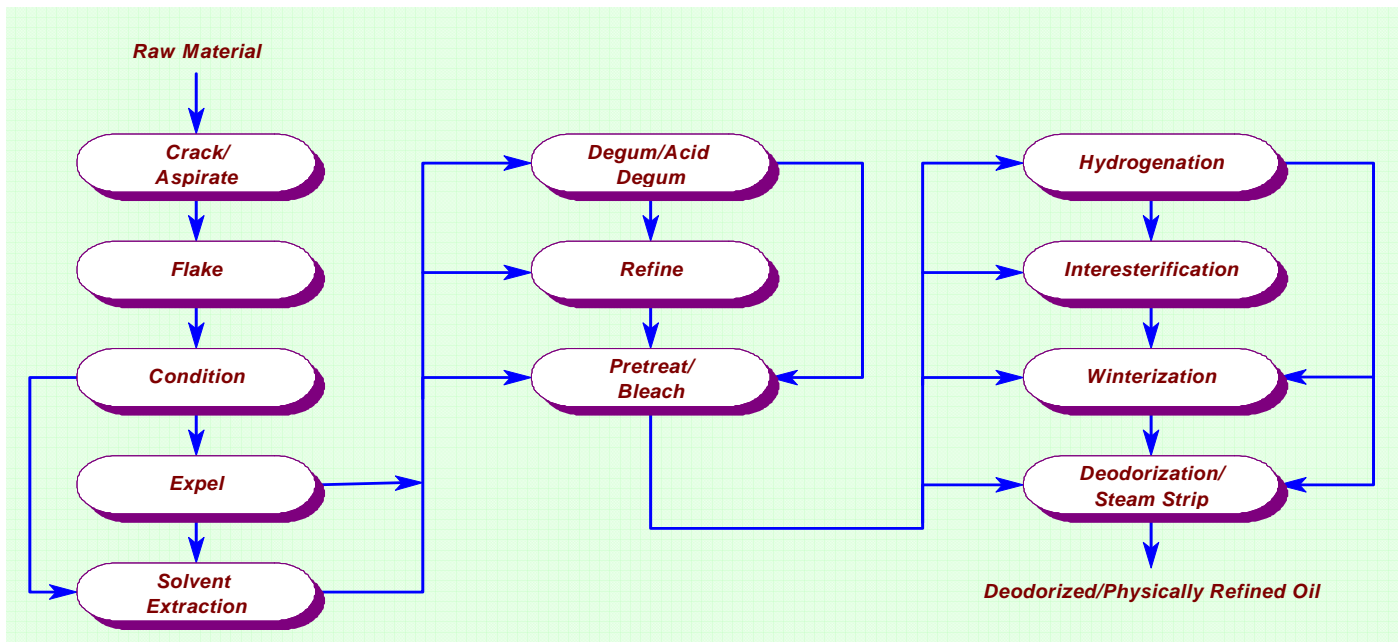
- conformance to ISO 9001: 2000
- Health Canada NHP (Natural Health Products) Site License, and Health Canada CFIA Site License for marine oils
- Quality systems for cGMP, HACCP, GLP
- Traceability and Food Safety Systems
- Kosher capability on selected operations
- Staff with years of industrial experience to augment your capabilities
- Strict confidentiality protocols to protect your investment and technology
- Complete range of integrated analyses for fats, oils, lipids, oilseeds and related by products

A Facility Designed to Match Your Need

- Large flammable processing area for solvent extraction of oilseeds and fat bearing materials, and hydrogenation of fats and oils
- Primary processing area for seed cleaning, seed preparation and pressing
- Comprehensive oils processing area for every oil processing unit operation
- Flexible secondary processing area for processing by-products.
- 11 fully equipped laboratories for mini scale product development and product analysis
- 24 hour-a-day operating schedule for continuous processing and quick turn around
- Comprehensive process documentation



This explosion-proof deslugger centrifuge provides fast, efficient separation of degummed or refined oils and fats.



From seed to finished product, from grams to production scale, POS has it all.

Processing Equipment

Seed Preparation and Crushing

- Mills – hammer, pin, flaking, cracking, disc, Szego, colloid
- Cleaning – multi deck, specific gravity table, grain dryer, indent cylinder, aspirator
- Simon Rosedowns cooker prepress/full press, bench scale press

Solvent Extraction Equipment

- Mini & pilot scale Crown solvent extractors
- Heinkel inverting basket centrifuge for powders
- Soxhlet extractors (various sizes)

Refining Equipment

- Centrifuges: Alfa Laval S-194, Westfalia SA-7 and SA-14, bench scale CentriPeel.
- Reactors & Filters: Various sizes from bench scale to 2,600 L for bleaching, interesterification and hydrogenation.
- Deodorizers: Glass and stainless steel bench scale, 250 kg/hr continuous, 400 L batch.
- Winterization vessels for solvent and non-solvent from bench scale to 4,000 L, dry fractionation

Other Equipment

- CPC unit (centrifugal partitioning chromatograph) and pilot scale HPLC for ultra pure lipids
- Thin film, wiped film, rotary evaporators

POS continually updates its equipment. Please contact us about specific capabilities.

About POS ...

POS is a private confidential contract research organization serving bioprocessing related industries such as food ingredients, wellness, and non-food industrial bioproducts.

All services at POS are fully integrated and supported by in-house departments specialized in Analytical Services, Quality Assurance & Regulatory Compliance, Pilot Plant Services, Logistics, and Information Services. POS adds value to our clients by helping them bring better products to market faster using cost effective options.

Contact POS for a free consultation to discuss your needs. POS will evaluate your objectives and a customized program suited to your individual requirements will then be designed. Of course, all matters are completely confidential.

For more information contact:

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