

Toll Processing at POS Pilot Plant

Manufacturing for Specialty Markets

Accelerate successful market entry of your product by choosing POS Pilot Plant as your toll processing facility. We are the number 1 toll processing choice of many organizations serving small, specialty markets. Gain a competitive edge through our comprehensive resources, underlying systems, and experienced operations and technical staff. Clear the way for commercialization with strict quality assurance measures and documentation that permit you to substantiate your products' compliance to required regulations.

Reduce Risk, Build Markets

POS's toll processing clients range from the world's largest multinationals to local entrepreneurs. What they all share is a desire to minimize their risk while building markets as soon as possible.

Toll processing allows products to be manufactured without capital outlay. That means you can conserve financial resources and concentrate on other essential market development activities.

Toll processing can also be carried out as an interim measure while your own manufacturing facility or production line is being developed.

Reap the benefits of earlier product sales while creating product demand.

Features

- comprehensive services under one roof
- toll processing capacity ranges from kilograms up to 15-20 tons per week
- five large cGMP compliant processing areas
- 24 hr/day processing
- processes coordinated with in-house analytical support for rapid results
- strict confidentiality systems
- comprehensive Quality Assurance including cGMP, GLP HACCP, ISO 9001:2000
- NHP site license for manufacturing natural health products
- CFIA Site License for manufacturing fish and marine oils
- CFIA approval to export fish and marine oils to EU
- logistics and materials handling support
- in-house scientific and technical staff to trouble shoot if required
- traceability and food safety systems



This is just one of POS's five large, flexible, well maintained pilot plant areas available for your use.

Processing Equipment

Following is a partial list of frequently used equipment:

Milling & Mixing

- **Mills:** Hammer, pin, flaking, cracking, disc, Szego, comminuting, dehullers
- **Mixers:** Wet and dry mixers, ribbon, twin shell blender, homogenizers (including microfluidizer)

Extraction

- **Extractors:** Crown, Soxhlet, Thar Technologies supercritical fluid extraction, Heinkel inverting basket centrifuge, Alfa Laval explosion proof decanter centrifuge
- **Desolventization:** Various units for solids and liquid desolventization

Refining

- **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.

Drying and Evaporating

- **Dryers:** Spray, fluidized bed, convection, and freeze
- **Evaporators:** Flash, thin film, scraped surface, rising film

Separation Equipment

- **Chromatography:** CPC (centrifugal partitioning chromatograph), HPLC
- **Filtration:** Plate and frame, hollow fibre, ultrafiltration units
- Air classifiers: Centrifugal and gravity
- Centrifuges: Decanter, deslugger, basket, inverting basket, nozzle bowl

Other Equipment

- Homogenizers, pasteurization
- Littleford reactor/dryer
- Complete oils processing line including cold pressing

About POS

POS is a confidential toll processing and contract research organization serving bioprocessing industries such as food, nutraceuticals, cosmetics, fats & oils, fragrances, biotechnology, and industrial bioproducts. We specialize in extraction, fractionation, purification and modification of biologically derived materials.

Our 54,000 sq. ft. facility houses 11 laboratories and 5 separate pilot plant processing areas. Choose from a wide selection of fully supported capabilities in a cGMP-compliant environment.



We have also created strong, productive partnerships with a select range of facilities and agencies within the surrounding research community. These are designed to ensure a smooth interface for clients, provide further resources and cost effective solutions.

Contact us for a confidential free consultation to discuss your toll processing needs. We will evaluate your objectives and customize a program suited to your individual requirements.

For more information contact:

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