

MANUFACTURING SERVICES



For 50 years, Ropack has focused on providing high quality services and reliability that exceeds the expectations of our partners. That focus keeps us on the leading-edge of technology, facilities, processes and personnel - every day.

MANUFACTURING

Our state-of-the-art powder blending, encapsulation, tablet compression and on-site laboratory testing services adhere to the highest standards in the pharmaceutical and nutraceutical industries. With our cGMP-compliant facilities and gold-standard technology backed by our skilled team, we're known for delivering quality.

Strategic scale-up and tech transfer support following SUPAC guidelines :

- We offer a complete process validation in accordance with regulatory and cGMP guidelines, enabling you to establish a reliable, high-quality commercial supply.
- Ropack provides you with reliable points of contact with Project and Process Transfer Managers dedicated to your specific needs.
- A cross-functional team of skilled pharmaceutical professionals assures you of a compliant, successful product launch.

Powder Blending :

We know that blending the of API's and excipients to create a homogenous blend is critical in the manufacturing of pharmaceutical solid and powder doses.

- 1 Ribbon Blender of 100 sq/ft
- 2 Bin Blenders : 940L and 2000L

Encapsulation

- Two encapsulation machines
 - 40,000 capsules/hour
 - 60,000 capsules/hour
- Capsule size range : 3 to 00
- Over-encapsulation

Tablet Compression :

To complement our manufacturing capabilities, Ropack offers direct compression of tablets using a multi-station rotary tablet press in conjunction with our blending capabilities or using customer supplied powders. Various sizes and shapes of tablets can be customized to perform product transfer, scale-up, validation and commercial batches to meet market needs.

Internal laboratory (chemistry and microbiology analysis) :

Our analytical laboratory is integrated with our manufacturing and packaging operations and is capable of providing reliable chemical and microbiological testing in compliance with cGMP requirements.

- Testing of raw materials, packaging components and finished products, including microbial identification
- Method verification, validation and transfer of analytical methods

CONTACT US :

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**RELIABILITY YOU TRUST,
FLEXIBILITY YOU NEED,
QUALITY YOU COUNT ON.**

PACKAGING SERVICES



PACKAGING

At Ropack, our goal is to provide quality primary and secondary packaging solutions that stabilize potency, sustain efficacy, and ensure robust shelf life. Our skilled and cross-trained staff, state-of-the-art facilities, and 50 years of packaging experience make us a sought-after partner.

Bottles :

Our six bottling lines allow for quick changeovers, online validated fill accuracy, and the flexibility to accommodate small lots to commercial runs.

- Bottling of tablets, powders, capsules and gel caps
- 40 cc to 750 cc bottles

Flip Top Vials :

It is an excellent format for the Probiotic and Nutraceutical market segments. Offering an integrated desiccant within the vial itself ensures greater product stability and potency.

- Airtight and leak-proof construction
- Custom-designed, automated and integrated primary and secondary packaging line

Blisters :

Our blister services include Thermoformed and Cold-Formed solutions across seven flexible blister lines. From high speed fully integrated lines to smaller scale applications, Ropack has over 6000 tooling parts already in our inventory. For tooling parts not available, Ropack has an in-house machining centre to expertly manufacture the required tooling.

Sachets :

Ropack is equipped to produce sachets that are well suited to the needs of manufacturers and consumers alike. Our sachet are an ideal option for fill weights of 2g or more, and for formulas mixed in food or liquid.

- Powder, solid, or liquid/cream fill
- Powder unit dose fill : 2g to 150g (less than 2g can be evaluated)
- Liquid or cream fill : 1 mL to 70 mL

Stick Packs :

Our stick pack capabilities include three production lines. One large-scale stick pack line delivers high-speed output of up to 1,000 sticks per minute for small-dose powder fills up to 1.5 g per stick. The two additional lines offer high flexibility and can accommodate both smaller batches and commercial-scale production, with fill weights ranging from 2 g to 50 g.

Pharmaceutical Kit Assembly :

Kit assembly is a flexible service Ropack offers to ensure our partner's innovative solutions can hit the market rapidly while we work to automate and streamline as much of the process as possible.

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CLINICAL TRIAL SERVICES



Ropack offers manufacturing, packaging, logistics, and distribution services for clinical trial materials across Canada.

CREATING BLINDED CLINICAL TRIAL MATERIALS

Ropack offers a comprehensive, end-to-end process for creating blinded clinical trial materials. Whether you need turnkey solutions including placebo manufacturing, or customized services tailored to your specific needs, Ropack is here to partner with you every step of the journey.

- **Over-encapsulation**
- **Primary packaging, secondary packaging services**
- **Randomization**
- **Labelling**

LOGISTICS AND DISTRIBUTION OF CLINICAL TRIAL MATERIALS

With extensive expertise in pharmaceutical storage and clinical trial distribution, Ropack efficiently manages the storage of pharmaceutical materials and their distribution across Canada.

Storage :

- 33,000+ sq. ft. of temperature-controlled warehouse space
- Controlled room temperature (15-25°C) storage
- Cold storage: 2-8°C
- Frozen storage (-20°C and -80°C)
- Two 70 ft. x 26 ft. SuperSaver receptacles
- Dedicated storage for pharmaceutical products requiring specialized regulatory compliance.

Distribution :

- Even the most sensitive products to clinical trial Sites
- Direct-to-patient services delivered in a timely manner
- Up to 72-hours pre-qualified shipping systems
- Comprehensive Canadian regulatory expertise and support

Returns and Destruction

Ropack manages and stores returns of both used and unused investigational pharmaceutical materials from the site.

OTHER ROPACK SERVICES

Powder Blending ~ Encapsulation ~ Tablet Compression ~ Laboratory ~ Bottling
~ Flip-Top Vial ~ Sachet ~ Blister ~ Stick Pack ~ Pharmaceutical Kit Assembly

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