



ROPACK®



PHARMA SOLUTIONS
for solid oral dosage

Manufacturing and packaging that stabilize potency,
sustain efficacy and increase security.

C A P A B I L I T I E S P R E S E N T A T I O N

Q3 2017

RPS provides a spectrum of services, with a continuum of quality throughout.

MANUFACTURING

PACKAGING

SERIALIZATION

**CLINICAL
DISTRIBUTION**

WAREHOUSING



Advanced technology and expertise in pharmaceutical manufacturing

- Dry blending
- Encapsulation



Primary and secondary packaging

- Bottling of tablets, capsules and powder
- Flip-top vial
- Blister: thermoformed and cold formed
- Stick-pack
- Sachet
- Secondary packaging



Clinical distribution, collection and destruction

- In-Canada distribution, collection, destruction
- Simplified logistics
- Shortened timelines
- Comparator program

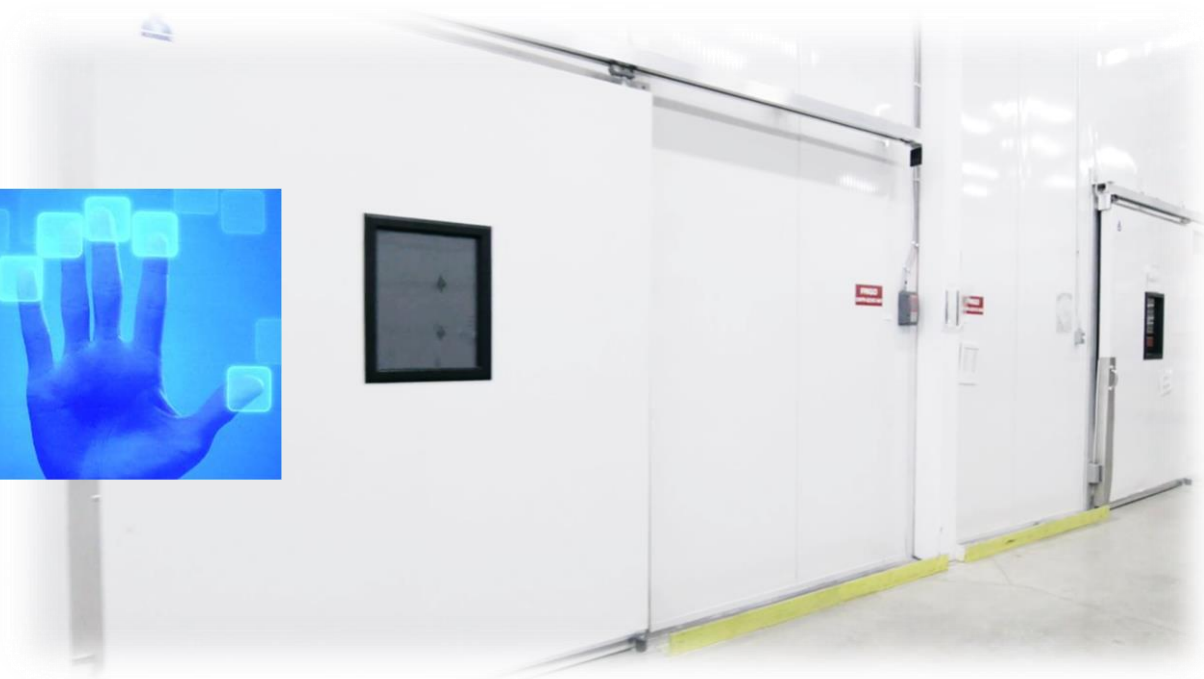


In Country Clinical Depot = Cost Savings



Warehousing

- Level 9 security vaults
- 400+ cGMP cold storage locations
- Controlled substance license



ROPACK holds the following licenses:



Licenses	Mirabeau (Site A)	Vauban (Site B)
Drug Establishment license	100408A (last inspection 2015-02-10: Conform)	100408B (last inspection 2015-02-10: Conform)
NHP Site License	300088	300088
Precursor Class A	9-0205 (last inspection 2014-05-20)	x
Controlled substance level 9 vaults	6451 (last inspection 2012-05-15)	6676 (last inspection 2011-06-08)
FDA registration of drug establishment / labeler code assignment	FEI : 3002674295 LC:64811 (Drug last inspection 2016-01-25: 483 issued)	FEI: 3006725334 LC: 64811 (Drug last inspection 2013-07-29: No 483)
Bioterrorism preparedness	11498392706	19485811900
ISO certificate 9001:2008	96/167	96/167
HACCP	49469-2-01	49469-1-02

Manufacturing and packaging advantages

A CONTINUUM
OF QUALITY

1

CROSS-TRAINED
PERSONNEL

2

GOLD-STANDARD
TECHNOLOGY

3

DEDICATED
PROJECT
MANAGER

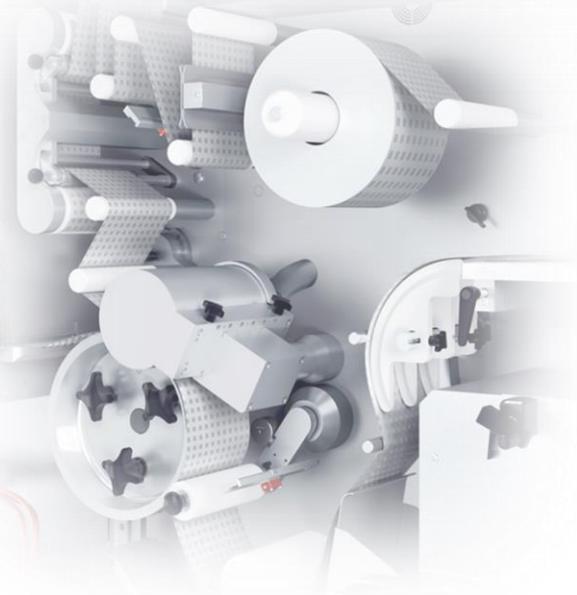
4

TRANSPARENCY

5

FLEXIBILITY
& AGILITY

6



Key elements are monitored quarterly.



Physical Space

Square footage and duplicate facilities



Technology

Key technologies for drug development, manufacturing and packaging



Human Capital

Staffed to ensure quality and reliability

Physical space

Currently operating more than 241,000 sq. ft. in Montreal, Canada



API storage in separate FDA warehouse
33 class 100000 clean rooms
Temperature- and humidity-controlled facilities
cGMP compliance

Products are stored in stand-alone FDA- and Health Canada-inspected warehouses and sent *just in time* to packaging facility.

Receiving and Storage



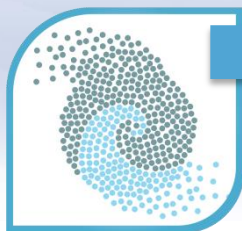
Bulk storage
in multiple
facilities

Production



Manufacturing Technology

Commercial manufacturing
utilizing state-of-the-art equipment



Blending*

25L Bin: ~ 12.5 Kg
to
1600L (+/-800kg @ 0.7g/cc)



Encapsulation/ over-encapsulation

Two (2) Zanasi @ 40k/hr.
Total Capacity: 295 mm/yr.
Available capacity : 115/mm/yr.

Packaging Technology

Total Capacity / Available Capacity (@75% saturation)

Packaging of solid oral dosage in
cGMP-compliant, FDA-licensed facilities



Bottling

36 MM
7.5 MM*



Blister

100 MM
46 MM



Flip-top vial

8 MM
4 MM



Sachet

40 MM
21.5 MM

**New High speed bottling line will be available Q1-2018 – adding 7.5 mm in available bottle capacity*

Project Scope

Outsourcing serialization requirements to RPS reduces time and the internal cost of implementing a track and trace counterfeit protection program.

- Serialization to unit of sale, shipper and pallet aggregation
- TraceLink® platform
- International serialization hub

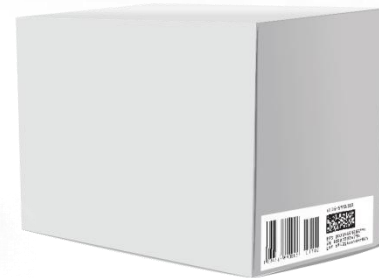


Serialization project scope

Serialization

1. Serialization of one blister line
Serialization of cartons, bundles, cases, pallets
2. Serialization of one bottle line
Serialization of bottles, bundles, cases, pallets
3. Manual serialization station for cartons
4. Manual serialization station for labels (bottles)
5. Manual serialization stations (cases, bundles, pallets)

Target date: Sept, 2017

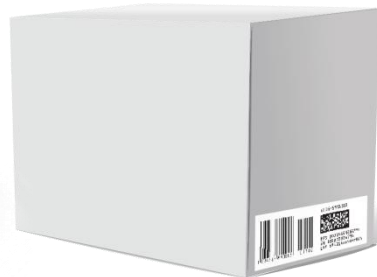


Serialization project scope

Aggregation

1. Blister line
Aggregation in bundles, cases, pallet
2. Bottle line
Aggregation in bundles, cases, pallet
3. Manual aggregation stations for bundles, cases, pallet
4. Manual aggregation station for warehouse

Target date: Sept, 2017



International Serialization Hub

If you or your outsourced packaging partner is not serialization-ready in November, our international serialization hub is a practical, efficient solution.

- Your packaged product is sent to Montreal where we serialize it to the product, carton, bundle, case or pallet
- We ship to the destination of your choice – distribution network, your warehouse of international destinations
- International shipping from Canada easier than from US
- Reduction in capital expenditures, personnel and coordination

Target date: August, 2017



In-house tooling design and fabrication for cold formed (alu/alu) and regular blisters



Operating two
laser blister tooling
fabrication stations

Inventory of over 6,000 tooling parts

In-house tooling capabilities shorten timelines and reduce cost.

Human capital

325 Employees

- Cross-trained teams for a flexible and versatile resource pool
- Dedicated project managers
- A responsive team focused on the success of your product



Our goal: quality to meet or surpass industry standards

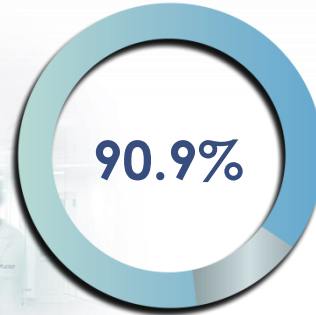
We don't just stop at government regulations.



Customer survey results 2015: **SATISFIED**

cvent

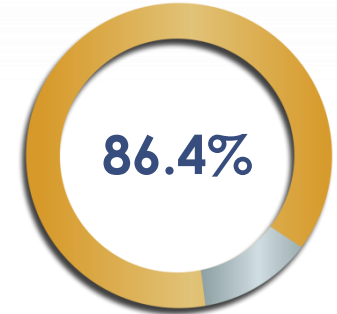
Average of 86.4% of respondents
satisfied or **extremely satisfied**



Comprehensiveness
of information
provided



Quality of
documentation
provided after
production



Technical
assistance

The facts add up.



RPS is committed to being your trusted partner.

FLEXIBILITY

Flexible
commercial
production for
small and large
batches

QUALITY

17.5%
of personnel
dedicated
to quality

RELIABILITY

Trusted – and
recommended – as
a packaging partner
by respected
organizations