



NUSPARK



Automation & Packaging Systems

Company Introduction

BACKGROUND

- ▶ *Nuspark Inc* was formed in 1999 by a group of gifted engineers with over fifty years of collective experience in packaging automation and robotics.
- ▶ Their goal was to assemble a team who prioritize attention to detail and precise execution
- ▶ On this foundation Nuspark was built to deliver solutions to our customers that exceed their expectations from the proposal to production.

Company Introduction

GENERAL

- ▶ *Located in Toronto, in the* fourth largest metropolitan area in North America.
- ▶ **Nuspark** has brought many small to medium sizes companies into the realm of automation, while supporting our multi national clients.
- ▶ **Providing service for** the food, Pharmaceutical, Personal Care, Consumer Goods and Automotive markets in both North America and Europe with installations in 15 countries.
- ▶ **Nuspark** can deliver solutions that perform in the real world....your packaging operations!

Company Introduction

GENERAL cont.

Nuspark research and development team constantly analyzes new and emerging technologies to insure that we continue our reputation for innovation not duplication. This core philosophy of innovation combined with our commitment to excellence has made *Nuspark* a recognized industry leader in Cartoning, Case Packing, Tray Packing, Palletizing and Custom Engineered solutions.

Specific innovations will be explored in the second part of the tour.



Key Strengths and Advantages

Professional Team

Engineers/Designers

A team of highly skilled designers, all from engineering backgrounds, plan, draft and shape each project from concept to fabrication and assembly. 30% of staff is dedicated to engineering functions.

Assembly Personnel

We have the resources for full in house operation, due in large part to our skilled trades people. Our personnel are able to perform all aspects of the manufacturing process including; welding, machining of components from raw material, electrical assembly, mechanical assembly, debugging, installation and training.

Key Strengths and Advantages

Overview

- ▶ In-house machine shop
- ▶ In-house welding
- ▶ In-house electrical controls and panel design/assembly
- ▶ Programmers for AB, Schneider Electric PacDrive, Omron, Bosch Rexroth and Siemens
- ▶ PMMI member
- ▶ FANUC Preferred Integrator (class 4)
- ▶ Pro/Engineer 3D mechanical development software
- ▶ Key geographic location with service to all major North American markets

Sales and Marketing

International Clients



Sales and Marketing

Canadian Clients



Sales and Marketing

Customer Base

- **ABC Group**
- Amway Corp
- Alcon
- Apollo Health Care
- Apotex
- Barrie House Tea and Coffee
- Baxter
- Bradford Coffee Roasters
- Cardinal Health
- Central Life Sciences
- Cedar's Mediterranean Foods
- Dole
- Dorman
- Eastman Kodak
- JVIS USA LLC
- Flen-n-Gate
- General Electric
- **Goodyear**
- Great Lake Cheese
- HerbaLife
- **Honda**
- Intelligent Blends
- Kellogg's
- **Key Plastics**
- Kraft Foods
- Lavit
- Maple Leaf
- **Mayco International**
- **Mitchell Plastics (Canada)**
- **Multimatic**
- Nestle
- Novares
- Parmalat
- Playtex
- RJ Reynolds
- Sanofi Aventis
- Silgan Plastics
- Starbucks
- Steam Whistle
- Sun-Rype
- T. Marzetti
- Twin Labs
- Trilliant Food and Nutrition
- **TS Tech**
- **Ultra Manufacturing**
- Westins
- Wyeth

Our Partners



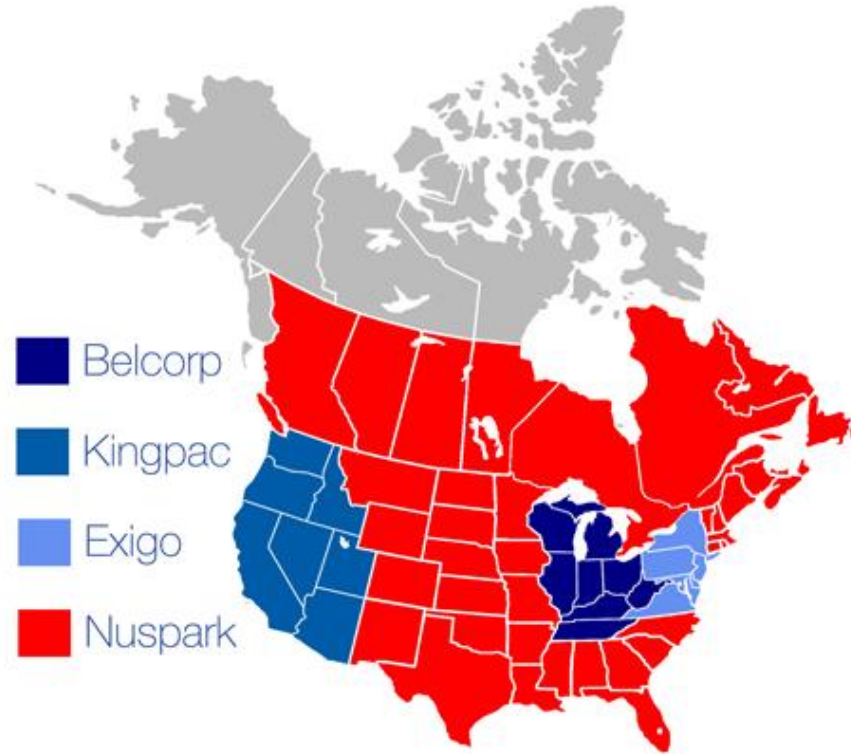
- Level 4 Integrator status (>25 robots per year)
- On track for 50+ robot installations in 2018
- Fanuc offers global support with more than 250 locations throughout the world.

- Member since 2003
- Participation as a Leader in Packaging 2017 and 2018.
- The PMMI Foundation supports students pursuing careers in packaging and processing.

- Hosted a tour of the Nuspark facility for local manufacturing companies
- PAC offers a wide range of programs that offer opportunity for innovation, networking, specialized packaging training.



Local Representation



Nuspark Brand

Company Focus

- ▶ ***Nuspark Inc.*** began with a focus on custom engineered automation projects.
- ▶ As our design library grew we began to identify parallels in the solutions and focused on adapting these solutions into standard modules. The standard product line now consists of Casepackers, Cartoners, Tray Packers and Palletizers.
- ▶ Placing an emphasis on customer needs and the ever growing complexities of the packaging industry, Nuspark has designed its products with unmatched customization and versatility.

Nuspark Brand

Standard Products

NCP-25 Casepacker

- 3 in1 single cell technology - erect, load, and seal on one frame
- DELTA Style 2 axis robot - single head or dual head
- Powerful Bosch Rexroth Servo motion control platform
- Precise, Repeatable technology
- High speed top load up to 25 cases per minute
- Smallest industry footprint - 160" length X 60" width
- Proven "Pin & Dome" case erection technology - no vacuum
- Heavy duty welded tubular steel frame
- No tools changeover - generally less than 15 minutes



Nuspark Brand

Standard Products

Polaris NP-15 Palletizer

- Robot capable in positioning cases in 4 axis (x,y,z and full 360° rotation)
- Capable of running up to 15 picks per minute
- Ability for multiple case/product pick up for higher speed applications
- Pallet magazine holding up to 15 pallets with automated feed system
- Automatic pallet staging and discharge
- Standard stainless steel frame
- Complete wash-down design available



Nuspark Brand

Standard Products

VRC-60 Vertical Cartoner

- 12-position indexer that easily generating an output of 60 cartons per minute
- Turn-table design; loading, leaflet/promo feeding, coding and inspection
- Compact 1m x 1m (3' x 3') footprint.
- Suction carton positioning prevents scuffing and scratching of delicate surfaces
- Minimized tool-less changeover time with magnetic detents
- Separation of drive area from product handling area
- Stainless steel frame and cladding.



Nuspark Brand

Standard Products

NTP Tray Packer Series

- 3 in 1 single cell technology - form, load and seal on one frame
- DELTA Style 2-axes robot - single or multi head
- High speed top loading up to 50 trays per minute or 600 products per minute
- Precise, repeatable technology
- Smallest industry footprint - 160" length x 78" width
- Heavy duty welded tubular stainless steel frame
- Tool-less changeover, generally less than 5 minutes





Assembly Facility





NUSPARK

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Thank you for your valuable time and your interest in Nuspark!