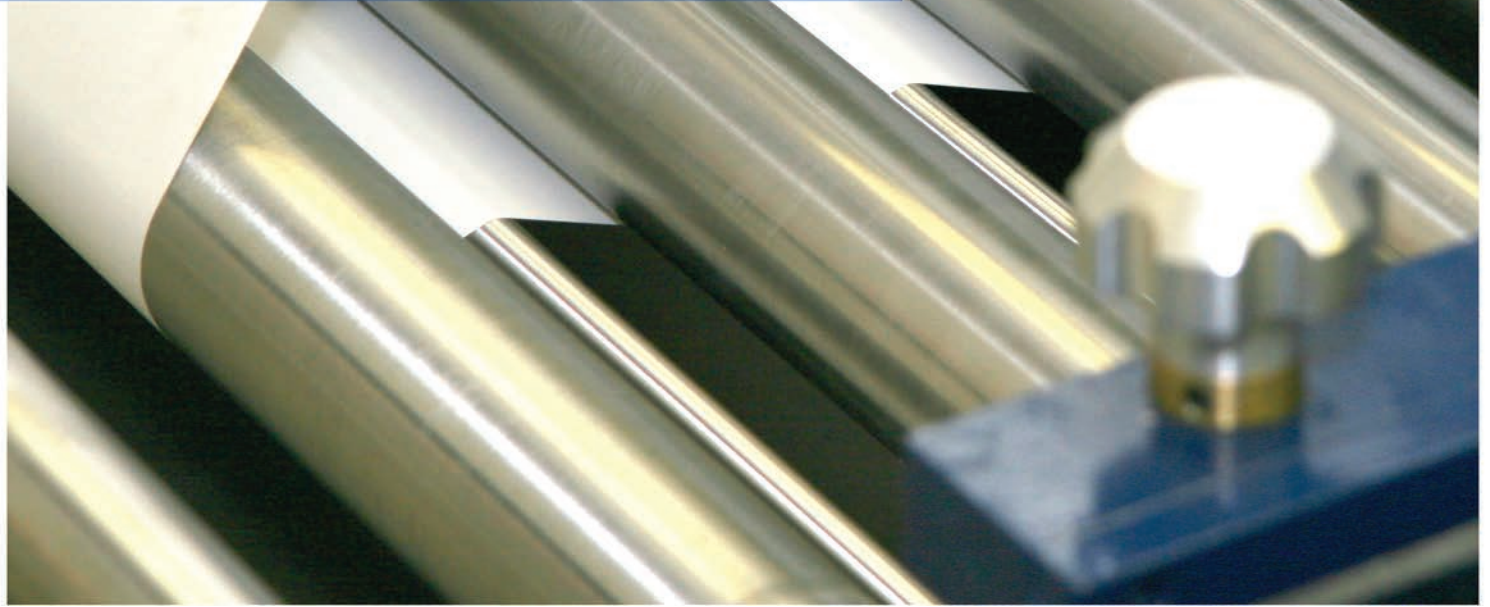


## Innovating Adhesive & Coating Technologies Since 1976

We are your single source supplier for custom adhesives, coatings on paper or plastic, security stamping, security printing, brand protection, thermoforming, slitting & rewinding.



**Current adhesives not sticking like glue?**

Indsale can provide custom formulated pressure sensitive, heat seal and laminating adhesives.

**Issues finding packaging solutions that are custom made for your product?**

Indsale creates custom quality thermoformed blisters, clamshell packages, trays & lids.

**Afraid your product brand identity could be stolen, abused, or misused?**

We have the ability to provide "tamper-evident" security measures to further ensure your product is not compromised or misused, while improving customer confidence and satisfaction.

**Indsale  
Limited**

[indsale.com](http://indsale.com)

### Contact Us Today!

**Manufacturing Address**

4 Douglas Rd.  
Trenton, ON K8V 5S7

**Indsale Ltd**

Phone: 613-394-7058  
Fax: 613-394-8595

**Mailing Address**

P.O. Box 100  
Foxboro, ON  
K0K 2B0

## COATINGS & CONVERTING EQUIPMENT

### COATER INFORMATION

12" - 36" Widths Available

Corona Treat to 36" Widths

9 - Colour Mark Andy Flexographic Press

16" Web Path

0.5 Mil - 10 Mil Web Thickness

Various Methods of Coating Technologies Available

### PK Machine Info

Post-Formed Blister Adhesive Coater

Maximum Blister Size is Currently 12" x 16"

### 9 - COLOUR FLEXOGRAPHIC PRESS

16" web width

2-5 die stations

Sheeting capability and duplex rewind

Module for thermal sealing for pouch manufacturing

Waterbased ink \ adhesives or uv curables

### 2 - COLOUR FLEXOGRAPHIC PRESS

10" web width

3 die stations

Laminating and sheeting capability

## Coatings

Indsale Ltd can provide finished products to meet your specifications.

We coat a variety of substrates such as foil, plastic film and paper.

We will also custom coat your provided material on request.

## Converting

Converting is the process of combining raw materials such as polyesters, adhesives, tapes, plastics, liners as well as other materials, to create new products. Indsale Limited has the capability to not only custom formulate, but also custom convert many different types of substrates on our coaters/laminators. These substrates can be foil, film, paper and any combination thereof. These rolls can then be slit, die-cut, punched or sheeted depending on the end application. These specialized capabilities allow Indsale customers superior service at the most efficient cost.

## CONVERTING EXAMPLES ARE

### Epoxy Coatings

Architectural, Graphic and Marine

### Urethane

### Adhesives

### Release Coatings

### Primer Coatings

### Overprint Varnishes

### Protective Topcoats

To discuss your coatings and converting requirements.  
Contact us today!

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## ADHESIVES / CONTRACT & TOLL MIXINGS EQUIPMENT

### COATER INFORMATION

12" - 36" Widths Available  
Corona Treater to 36" Widths  
0.5 Mil - 10 Mil Web Thickness  
Various Methods of Coating Technologies Available

### PK MACHINE INFORMATION

Post-Formed Blister Adhesive Coater  
Maximum Blister Size is Currently 12" x 16"

### 9 - COLOUR FLEXOGRAPHIC PRESS

16" web width  
2.5 die stations  
Sheeting capability and duplex rewind  
Module for thermal sealing for pouch manufacturing  
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### 2 - COLOUR FLEXOGRAPHIC PRESS

10" web width  
3 die stations  
Laminating and sheeting capability

## Adhesives / Contract & Toll Mixings

Having issues with your current adhesives not performing the way you would like? Let us know your requirements and we can look into finding the proper solution for your application. Indsale Limited can manufacture water-based products based on both formula and raw materials supplied by the customer. We can also develop our own formulation using customer specified criteria and our own raw materials. This flexibility allows our customers to choose the path which best meets their needs.

### Pressure Sensitive

All of Indsale PSA's are custom formulated and can be used for permanent or removable and cold temperature applications.

#### Available for many substrates including:

Foil  
Film  
Paper  
Release Liners

### Heat Seal

Most of Indsale heat seal adhesives are custom formulated products designed to suit the most demanding product requirements.

#### Available for many substrates including:

Vinyl  
Film  
Paper  
Available for a large range of heat seal temperatures.

### Laminating Adhesives

Available in both wet bonding and dry bonding applications. Available for many substrates including:

Vinyl  
Film  
Paper

**Not 100% satisfied with the effectiveness of the adhesives you are using? Contact us today!**

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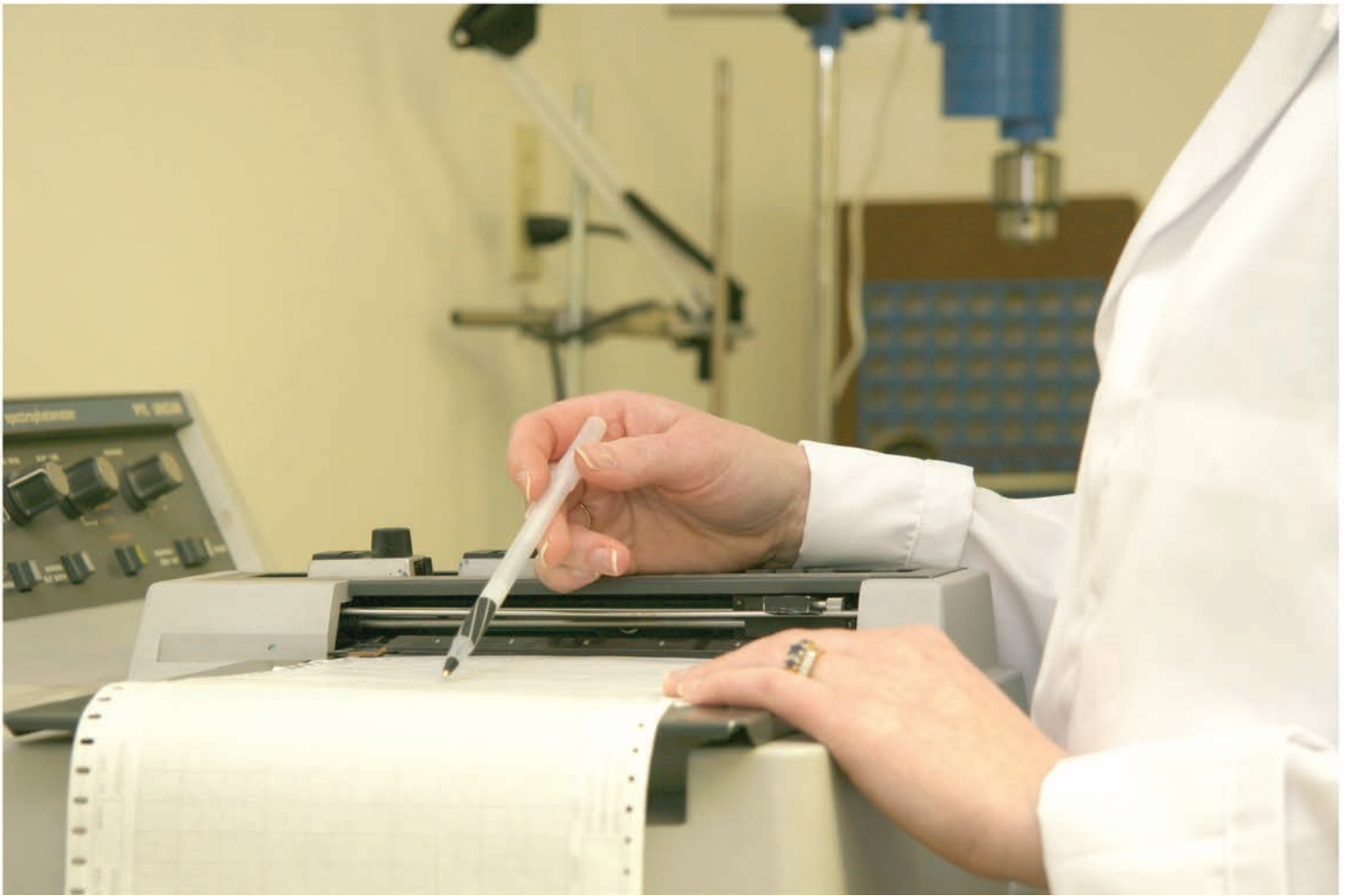
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## Research and Development

Indsale understands that different customers have different specific needs. Our extensive research and development enables us to meet those customers' needs.

Indsale Limited specializes in the research and development of adhesives and coatings. Our R&D team works closely with our customers around the world to provide both standard and custom formulated adhesives and coatings to meet their unique performance, process and cost requirements for their applications.

The products Indsale develops must pass strict quality testing. Analytical and physical procedures are performed to meet the applicable standards outlined by the PSTC, FINAT, and ASTM methods, as well as any unique requirements of the customer.

Indsale has expanded its laboratory facilities to further advance the development of its polymeric adhesives and coatings.

It is because of our strong foundation in research and analytical procedures that Indsale can stand behind their products.

**For more information about how our R&D department could help provide solutions for your company, please contact us.**



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## SECURITY PRINTING & HOT STAMPING EQUIPMENT

### HOT STAMPING INFORMATION

Can Handle Up to a 16" Web  
Roll-to-Roll  
Up to 8 Imprint Stations Available

### 9 - COLOUR FLEXOGRAPHIC PRESS

16" web width  
2-5 die stations  
Sheeting capability and duplex rewind  
Module for thermal sealing for pouch manufacturing  
Waterbased ink \ adhesives or uv curables

### 2 - COLOUR FLEXOGRAPHIC PRESS

10" web width  
3 die stations  
Laminating and sheeting capability

## Security Printing and Hot Stamping

Concerned about your products brand being stolen or compromised by counterfeiters?

Indsale Ltd can provide security measures that contain a number of overt and covert security features that are very difficult and costly to reproduce and counterfeit. This ensures others are not making money under your product's brand.

We have the ability to provide "tamper-evident" security measures to further ensure your product is not compromised or misused while improving customer confidence and satisfaction.

### Indsale delivers sophisticated, high security features to such documents as:

Passports  
Identification cards  
Drivers licenses

For more information about how Indsale can provide you with product peace of mind or help add a new level of security to your documents, please contact us.

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## THERMOFORMING EQUIPMENT

### THERMOFORMER INFORMATION

Min Mold Size: 6.75" L x 15.5" W  
Max Part Depth: 3"  
Max Mold Size: 14.5" L x 24" W

### PK MACHINE INFORMATION

Post-Formed Blister Adhesive Coater  
Maximum Blister Size is Currently 12" x 16"



## Custom Thermoforming

Thermoforming is a manufacturing process where plastic sheet is heated to a pliable forming temperature, formed to a specific part shape in a mold, and trimmed to create a usable product.

### Quality Thermoformed

Blisters  
Clamshell Packages  
Trays  
Lids

### From Polymers that Include

HIPS - High Impact Polystyrene  
OPS - Oriented Polystyrene  
PP - Polypropylene  
HDPE - High Density Polyethylene  
PET - Polyethylene Terephthalate  
Vinyl ...and more!

**Our thermoforming capabilities are specialized toward cut-in-place, precision trimmed blister manufacturing.**

**Contact us to discuss any requirements you might have for a custom thermoformed package, tray or blister pack.**

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## SLITTING EQUIPMENT

### SLITTER INFORMATION

40" Width Master Slit to 2" Minimum Width  
3" or 6" Cores for Unwind  
3" Cores for Rewind  
0.5 Mil - 10 Mil Web Thickness

## SHEETING EQUIPMENT

### SHEETER INFORMATION

Capable Of Handling A Wide Variety of Flexible Materials  
Precise Cut-To-Length Sheeter  
Accuracy of +/- .010 - For Short Cuts or Within .05% of the Desired Length on Long Indexes

## REWINDING EQUIPMENT

### REWINDER INFORMATION

6", 3" and 1" Core Size Rewind & Unwind  
Maximum Diameter Unwind: 30"  
Maximum Diameter Rewind: 18"  
Speeds Up to 935 Ft/Min

## Slitting / Sheeting / Rewinding

Indsale has the equipment to accommodate most slitting, rewinding and sheeting requirements in the industry today.

### Slitting

Roll slitting is an operation that cuts a large roll of material into narrower rolls.

Web materials are slit from master rolls to custom width rolls, as specified by the customer. Indsale can entertain housing your material in roll form and slit to your requirements as needed or when precise quantities and measurements are known.

Once the rolls are slit to your required widths, we have the ability to either rewind them onto smaller cores and custom length or we can sheet them.

### Sheeting

Typically, material is slit to a custom width and then is sheeted to the specified length, creating a uniform finished product.

The sheeting process improves efficiency, accuracy and consistency of the sheets to be cut, especially if material is currently being cut by hand.

Our capabilities allow Indsale to sheet flexible materials to your specifications, with the ability to accommodate rolls up to 15" wide.

**For applications you may have for larger sheets to be cut, please contact us to discuss your requirements.**

### Rewinding

If putting your slit web onto smaller rolls is what you need, Indsale is capable of handling your rewinding tasks while providing accurate length or repeat counting.

**Please contact us to explore your requirements for slitting, sheeting or rewinding.**

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Indsale's mission is to utilize our knowledge and expertise in the areas of adhesives, coatings, laminates, custom packaging and security documents in order to provide innovative solutions to our customers.

# About Indsale

## Indsale Ltd. is a "Green Company" specializing in:

Waterborne PSA's for tapes and packaging

Epoxy and urethane, 100% solids and waterborne systems

Release coatings

Fragile membrane matrices and specialty laminates for the security field

Pharmaceutical compliance packaging

## Mission Statement

Indsale's mission is to utilize our knowledge and expertise in the areas of adhesives, coatings, laminates, custom packaging and security documents in order to provide innovative solutions to our customers. With strong focus on our customers ever-changing needs, we continue to excel at being responsive to industries such as security, pharmaceutical and food processing. We forge ahead to other various industries, interested to take on new challenging applications, issues and/or requirements that manufacturers may be faced with now and in the future.

## Indsale Origins

INDSALE LTD was founded in 1976 by Michael J. Markiewicz to provide sales and marketing expertise in adhesive technologies for the international market place.

Incorporated in 1980 with the addition of a plant chemist for compounding and formulating water-based adhesives.

In 1982, the manufacturing division of Indsale was formed. Paul Marks, Vice President of Manufacturing joined Indsale to provide expertise in the manufacturing section.

## Technology Advances

Developed specialty polymers for the construction\concrete industry.

Formulated special coatings and adhesives for various packaging applications.

Developed and manufactured innovative adhesive and coating technologies for use in high security laminates and fragile matrices for: passports, optical thin films, holograms and ID cards.

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