

Announcing the Spring Seminar:

Using Lasers to Produce Reliable Easy-Open and Breathable Flexible Packaging

Seminar Objective:

Join us for a one day seminar on laser converting of flexible packaging films for easy-open and breathable packaging. You will learn how to select packaging films, design the laser score or micro-perforation pattern, setup the industry leading **LaserSharp**® Production System, and complete a production run with quality control. You will also learn how lasers can be used to provide security features in packaging.

Sponsored by: LaserSharp FlexPak Services, LLC

Date: Thursday, April 26

Time: 9:00 a.m. – 4:00 p.m. CST

Registration begins at 8:30 a.m. – with coffee and rolls.

Lunch will be provided.

Where: LaserSharp FlexPak Services, LLC

3500 Willow Lake Blvd., Suite 700

Vadnais Heights, MN 55110

Tel. (651) 789-8800 Fax: (651) 789-8801

www.flexpakservices.com

Seminar Benefits:

- Tour the facility and services offered by LaserSharp FlexPak Services, LLC
- Basics on lasers and how they operate
- Equipment solutions by LasX Industries, Inc.
- Advantages of using lasers vs. traditional methods
- Material interaction with lasers
- Competitive advantages of **LaserSharp**® Technology
- Laser processes and applications

From laser scoring for easy-open applications to laser micro-perforating for venting, gas transmission or humidity control, LaserSharp FlexPak Services offers a complete contract manufacturing solution for your business. If you are interested in attending this event please complete the form below and fax or mail to: **LaserSharp FlexPak Services, LLC**.



Hands-on Learning Sessions:

- **Laser Perforations for Breathable Packaging (Trial)**
Step-by-step laser micro-perforation process from developmental stage to commercial applications
 - Achieving specific OTRs for different products
 - Material and laser selection
 - Micro-perforating pattern design
 - Equipment set-up on state-of-the-art **LaserSharp**® LDM40GT
 - OTR and Microscopic Analysis
 - Setting production specifications and quality control procedures
 - Sample production run with quality control checks
 - Offline job creation and simulation
 - Commercial quote
- **Laser Scores for Easy-Open/Microwavable Packaging (Trial)**
Step-by-step laser scoring process development
 - Material and laser selection
 - Score pattern and placement design
 - Equipment set-up on state-of-the-art **LaserSharp**® LPM100
 - Planar and cross section Microscopic Analysis
 - Tensile strength analysis
 - Setting up production specifications and quality control procedures
 - Sample production run with quality control checks
 - Offline job creation and simulation
 - Commercial quote
- **Pressure Sensitive Adhesive Labels**
 - Laser scoring/perforating PSA labels for easy-open and reclose features
 - Roll-to-roll label applications on flexible packaging material
- **Security Packaging**
 - Ideas for using laser converting to improve package security

Contact Information:

Name: _____

Phone: _____

Company: _____

Email: _____

Address: _____

City: _____

State: _____

Zip: _____

Please check one of the following:

Please register me for this event.

Please send me additional information on this event.

I am not able to attend but would like to be contacted for future events.