

# LASERSHARP®

## LPM SERIES



### FLEXIBLE PACKAGING SOLUTIONS

#### LPM<sup>dm</sup> SERIES



The versatile **LaserSharp®** LPM Series is ideal for laser scoring and microperforating flexible packaging films at high speeds. Several LPMs can be configured in a single system for multiple line processing. **LaserSharp®** systems can also be integrated into new or existing slitter-rewinder or pouching lines. The standard LPM offers the versatility of both crossweb and downweb processing, while the LPM<sup>dm</sup> is ideal for applications requiring only downweb or small pattern processing.

#### Process Advantages

- Non-contact, fast, clean, high quality processing method
- Laser power output range: 40-1000 W
- Multiple line processing
- Selective scoring and perforating enables easy-open packaging features while maintaining barrier properties of the package

#### Advantages of LaserSharp® Modules

- Retrofit or integrate into any roll handling or pouch line equipment
- Precise, controlled score depth
- Zero-maintenance sealed design with no beam alignment
- Multiple **LaserSharp®** module configurations for wide webs
- Linear alignment for crossweb module positioning, includes digital readouts for quick setup
- Precise registration to print
- Each **LaserSharp®** module is controlled independently with patented LightGuide® controls offering:
  - controlled scoring depth independent of web speed
  - ability to run intermittent scores or perforations simultaneously

#### Specific LPM<sup>dm</sup> Advantages

- High speed downweb straight line or downweb contoured scoring
- High speed selective pattern perforating for breathable packaging allowing for gas and vapor transmission

#### Specific LPM Advantages

- Process patterns in the crossweb or downweb directions
- High-speed crossweb and downweb contour patterns
- Run intermittent patterns by print registration or distance

#### LPM SERIES



MULTIPLE LPM CONFIGURATION

## Options

### LPM Flex Series

- Increases processing options with the ability to automatically adjust the processing area of view between two sizes ranging from 130 mm to 600 mm
- Automated focus assembly
- Machine direction and cross-web capabilities

### GT Beam Steering

- The GT option uses optimized beam steering motors to accelerate and decelerate three times faster than the standard system, resulting in faster processing speeds.

### GT Unicorn™

- This LPM option adds LDM quality downweb scoring capabilities
- The *Unicorn* optic assembly is manually inserted into the module
- This option requires additional sensors and the LightGuide™ LDM software option

### TracSoft® Web Tracking Control Package

- Dynamic adjustment of laser pattern in response to the lateral movement of the web or print line



## Applications

- Easy-open features for:
  - Zipper bags
  - Resealable pouches
  - Pour spouts
- Breathable and Modified Atmosphere Packaging (MAP)
- Microwave steam release features
- Venting for rapid filling and efficient palletization
- Security features or etched product identification

