

# VectorJet™ Laser Marking Technology

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## Laser Marking of Plastics



Patent Pending VectorJet™ Laser Marking Technology, developed by The Sabreen Group, Inc., is gaining widespread interest by the fabrication and machining industries for permanent marking of plastic stock and custom shapes. Those in the stock shape industry are all too familiar with the technical limitations of commonly used marking techniques such as inkjet and preprinted labels (bad adhesion and expensive) and traditional laser marking (poor contrast). VectorJet Technology overcomes these obstacles and achieves high-contrast, indelible marking on most engineering plastics, including those that have been traditionally difficult, if not impossible, to laser mark such as acetals, nylons and polyolefins.

VectorJet Laser Marking Technology allows plastics fabricators to permanently mark alphanumeric text, lot/batch codes, machine vision codes (1D bar codes and 2D data matrix codes) and micro-marking (0.020" and smaller). This new technology achieves unprecedented marking contrast ("dark-on-light", "light-on-dark" and color "tone on-tone") with outstanding line edge detail, resolution up to 800 DPI and speed for marking plastic shapes such as rod, sheet, tubular bars and custom products.

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