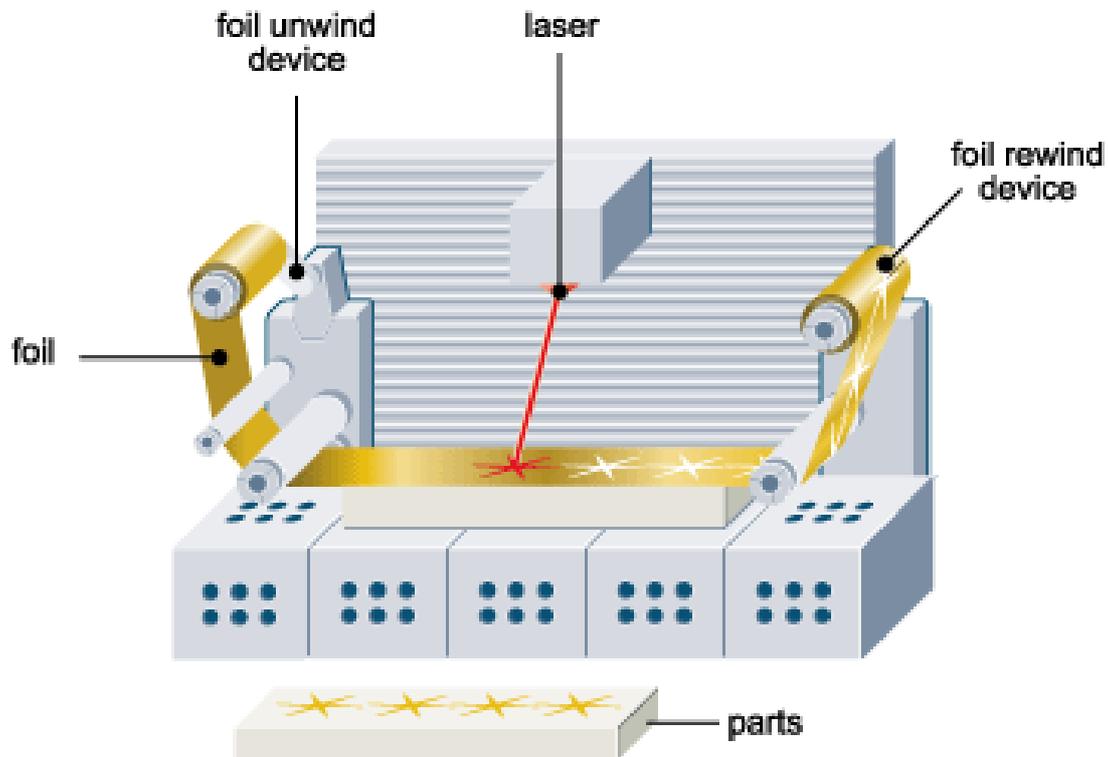


Laser Color Transfer Technology (LCT®) For Colored Marking and Decorating of Plastic Surfaces



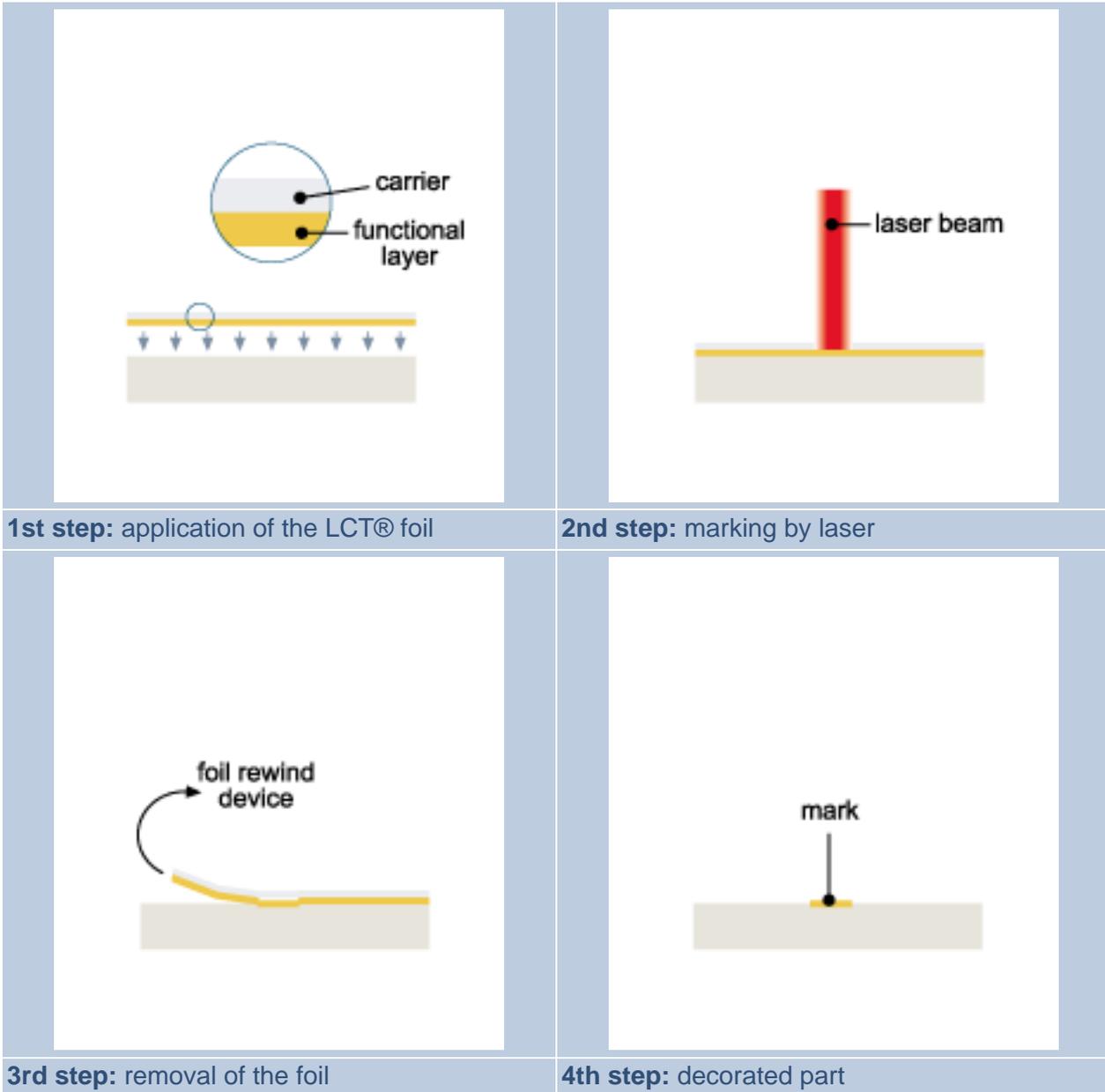
The Secrets of Laser Color Transfer

Today, with the advances in marking technology, lasers are rapidly becoming the method of choice for colored marking and decorating of plastics.

The contact-free marking is generated by non-invasive scanning of the laser beam over the product. New laser marking materials (contrast and color creating pigments) being developed through intensive research work, provide a high resolution mark. The colored marking is realized by using a Laser Color Transfer foil (LCT® foil), which consists of marking material coated onto the backing of a foil. Prior to the marking process, the foil is placed in contact with the substrate surface.

When the laser energy is passed over the laser transfer foil, the marking material is transferred into the surface of the substrate and remains permanently bonded to the surface.

Laser Color Transfer (LCT®) is a powerful technology with a wealth of advantages over conventional marking techniques.



LCT® is a registered trademark of Merck KGaA, Darmstadt, Germany