



EQUIPMENT AND PROCESS PRECERTIFICATION PROGRAM

**EVALUATION OF THE AIR QUALITY PERFORMANCE CLAIMS
FOR LASER TOUCH AND TECHNOLOGIES, LLC'S
LASER TOUCH MODEL LT-B512**

FEBRUARY 2002

California Air Resources Board
Precertification Program

Equipment:	Laser Touch Model LT-B512
Applicant:	Laser Touch and Technologies, LLC 3642 University Avenue Waterloo, Iowa 50701
Applicant Contact:	Mr. Nick Horan
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Application Number:	02260101
Executive Order Number:	G-096-029-037
Executive Order Date:	February 15, 2002
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ABSTRACT

The purpose of this report is to document the California Air Resources Board's (ARB's) evaluation and verification of the air quality-related claims made by Laser Touch and Technologies, LLC (Laser Touch) for its Laser Touch Model LT-B512.

In an effort to make progress towards attaining healthy air quality in California, regulations restrict emissions of volatile organic compounds (VOCs) from a broad spectrum of activities. VOCs are emitted directly as by-products of combustion-related activities or as fugitive emissions from sources such as petro-chemical operations and solvent-containing products.

In an effort to slow the depletion of stratospheric ozone, the United States Environmental Protection Agency (U.S. EPA) administers several voluntary and regulatory programs covering the production, phaseout, recycling, handling, and substitution of stratospheric (upper-level) ozone-depleting substances.

The reduction of VOC emissions from all sources and the support of U.S. EPA's stratospheric ozone protection programs are part of California's clean air strategy to achieve and maintain healthy air quality in California.

As part of its Equipment and Process Precertification (Equipment Precertification) Program application package, Laser Touch requested that the ARB evaluate its proposed performance claim. When using Laser Touch Model LT-B512 with an Accuspray Model 19 high volume low pressure paint spray gun, in accordance with the Laser Touch manufacturer's instructions, the volume of a single-stage polyurethane enamel application was decreased by an average of 15 percent and therefore a corresponding volatile organic compound emissions reduction of an average 15 percent can be assumed

Upon successful completion of the requirements associated with the ARB's Equipment Precertification Program, a report is issued with two companion documents— an Executive Order issued by the ARB and a certificate issued by the California Environmental Protection Agency. These documents serve as official records that the ARB has independently verified the applicant's performance claims. Executive Orders issued under the ARB's Equipment Precertification Program are valid for three years from the date of issuance, provided that the holder complies with: 1) the terms and conditions identified in this report; and 2) the general requirements discussed in the Equipment Precertification Program Guidelines and Criteria.

After review of the documents discussed throughout this report, the ARB staff recommends that an Executive Order and a Precertification certificate be issued to the Laser Touch and Technologies, LLC's Laser Touch Model LT-B512.

**CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
AIR RESOURCES BOARD**

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