



Mould Cleaning with Light

Laser Cleaning Moulds gently removes contaminants and coatings with low operating costs, using no solvents, chemicals or water.

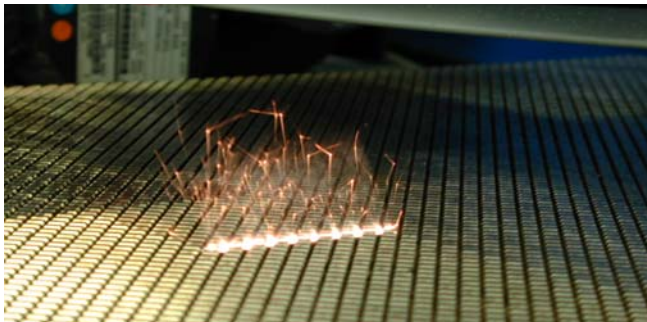


Introduction to Laser Cleaning

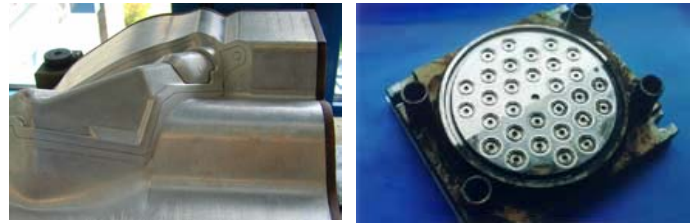
A powerful focused laser beam strikes the surface for some thousand billionths of a second. The surface absorbs most of the power. The light energy of the laser beam is directly transformed into thermal energy and removes (vaporizes) the contamination. The basic material is very gently cleaned - without damage - by the extremely short and locally limited effect of the light.

Laser Cleaning Advantages

Our laser cleaning systems allow you to clean moulds at their operating temperatures, on-line and in place. There is no need for a cool-down period or a dismantling of the press. Laser mould cleaning will not damage or contaminate working machinery or equipment. This prevents long and costly disassembly and re-assembly step prior to and after cleaning. Work can be carried out directly in production lines with very short set-up times. The optical fibre configuration allows for easy laser cleaning of parts that are difficult to access.



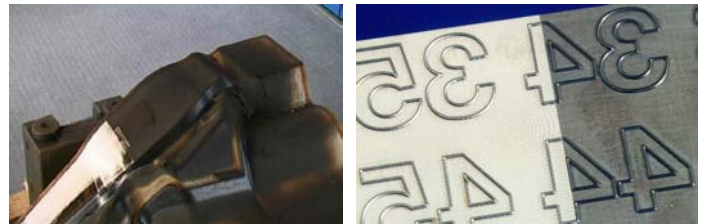
Laser Cleaning in Operation



Typical Moulds Cleaning Examples

Laser Cleaning of Moulds

Laser mould cleaning technology is a superior alternative to conventional mould cleaning techniques due to the laser systems ability to clean moulds without damage to the mould or surrounding equipment, the thorough removal of contaminants and the very low operating cost.



Before Laser Cleaning

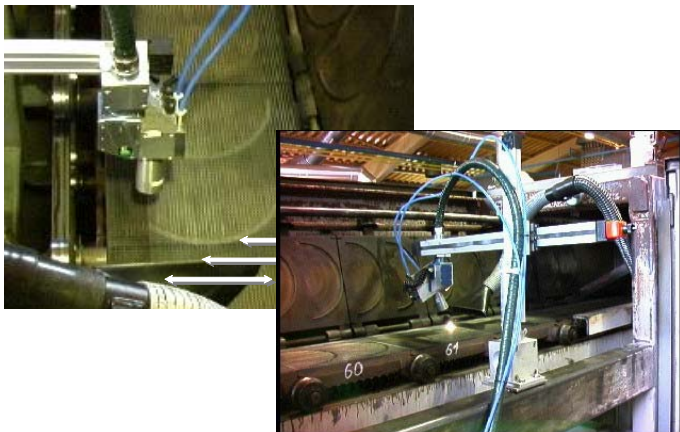


After Laser Cleaning

Laser Cleaning Savings

Operating costs are reduced, through downtime minimization, low running costs and life span extension, with ROI paybacks of fewer than 12 months often achieved. They are easy to automate and can be integrated into existing manufacturing lines, to be used on-line and in-place without damaging equipment or requiring machine dismantling.

Typical Automatic Mould Cleaning Installation



Laser Cleaning Equipment

Portable, manual, automatic and robot operated lasers.

