

Know-how explosion Laser Cladding

# MLC Maier Laser Coating

Coatings from Maier are the solution for your component repair on critical joining or sealing surfaces. Your new part developments achieve significant increases in service life with our coatings, which are specially selected for your application. Controlled quality through our own laboratory and service life test bench.

## MLC Series: Metall MLC 1000, MLC 2000

- Repair of base material, e.g. 316L in service
- Repair of production errors in machining
- Corrosion protection, e.g. Inconel 625 or 718

## Hard alloys/metal matrix composites MLC 3000, MLC 4000, MLC 5000

- NiCrBSi, Stellite, particle-reinforced matrices with up to 1200 HV
- wear protection against abrasion, erosion, adhesion
- suitable for sealing surfaces
- hard chrome replacement
- corrosion resistant

## Oxide ceramics MLC 6000

- in prototype development

## Dimensions for coating/machining

individual 3-D geometry  
x-y-z 800 x 600 x 400 mm  
max. 250 kg (turntable 50 kg)

rotationally symmetrical parts  
between centres  
max. 100 kg

### Coating



### Coating/grinding



other sizes by arrangement



MLC 5101



MLC 6001

## Benefits

- individual range of materials available
- coating thicknesses from 0.1 to several millimetres
- coating close to contour, accuracy 0.5 mm
- low heat input, minimal distortion
- hardly any microstructural changes
- component manufacture, coating and finishing from a single source

Your contacts look forward to hearing from you.

<https://maier-heidenheim.com/en/contact/international-branches/>

Christian Maier GmbH & Co. KG

Maschinenfabrik  
Würzburger Str. 67-69  
89520 Heidenheim

Tel. +49 7321 317-0  
vkd@maier-heidenheim.de



MLC Product video:  
[www.maier-heidenheim.com/en/mlc](http://www.maier-heidenheim.com/en/mlc)