

CZL Tilburg BV

The optimisation of the production processes puts a heavy burden on entrepreneurs in the most widely varying high-tech sectors. Once there is no further prospect of new cost-saving possibilities, the smallest details are relevant. Based on a quarter of a century of experience in surface processing, CZL Tilburg manages to realise a higher production-process efficiency. The distinguishing added value can be found in the extension of the lifespan, the increase in capacity and valuable parts becoming more durable. As specialists in the field of overhauls, repairs, upgrades and maintenance of complex tools, special products and parts/machine parts, CZL is proud of the modifications it makes to machines and parts.



CZL Tilburg B.V.

Surface techniques

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CZL Tilburg B.V.

Surface techniques

MCP®

Chromium hardplated





Extremely hard and wear-proof

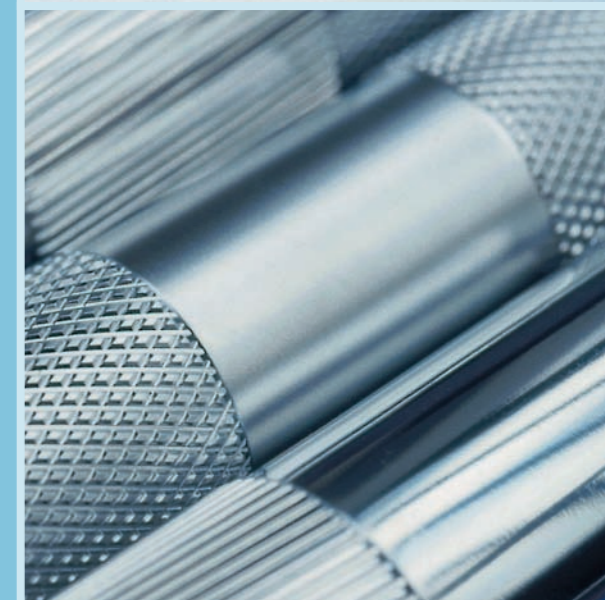
Technical chromium plating

In the last 25 years, CZL Tilburg has made a name for itself in the practical application of technical or hard chromium plating. Especially heavy industries (motors, engines and hydraulics) recognise the added value of an extremely hard and wear-proof chromium plating. CZL apply this process especially on precision parts and special products. Hard chromium plating is eminently suitable for making costly parts durable and repairing them.

CZL Tilburg is one of the few companies in the world that can apply a chromium plating to widely varying metals. For chromium plating of aluminium, CZL is the specialist. Chromium plating can be applied in whole or in part. CZL can even chromium plate small drilled holes.

CZL applies strict norms and guarantees the quality of the applied chromium platings. The equipment at our advanced machine park is state of the art – an additional guarantee of top quality.

Applications: repair of high-quality machine components and parts not covered by the specifications, the modification of tools and dies.



Wear-proof coating for very complex parts

Micro Chromium Plating®

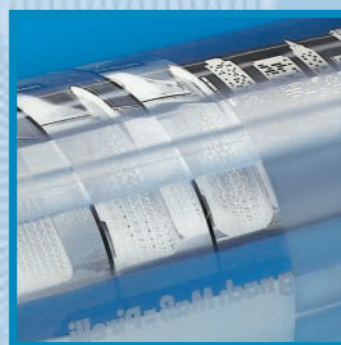
Where the machine parts and die parts must have very high wear-proofness in combination with anti-adhesion behaviour, the MCP® technology developed by CZL Tilburg is the perfect solution. This technology involves the dimensionally stable application of an ultra-thin chromium plating with a wide range of applications on ferrous and non-ferrous metals.

The high-quality expertise of CZL Tilburg in this field makes the company a popular partner for companies operating worldwide. For the semiconductor and CD industries, MCP® stops the early wear of sensitive parts. The anti-adhesion properties make chromium plating a favourite in the plastic-processing industry.

In the cardboard and paper industries, MCP® produces wear-proofness on cutting or punching tools. Since wear-proofness is remarkably increased, the lifespan of machines can be considerably prolonged without added costs.

The application of MCP® promotes the conversion of plastics and shortens the cycle period, improves running properties, prolongs the lifespan of punching and cutting tools, protects the optical components, results in a technical look and protects instruments against corrosion.

Properties of MCP®:



- wear-proof
- high hardness
- low friction
- scratch- and impact-proof
- anti-corrosive
- cosmetically sound



Technical chromium plating:

The chromium processes executed by CZL Tilburg satisfy the following specifications:
QQ - C - 320 and MM - type 1