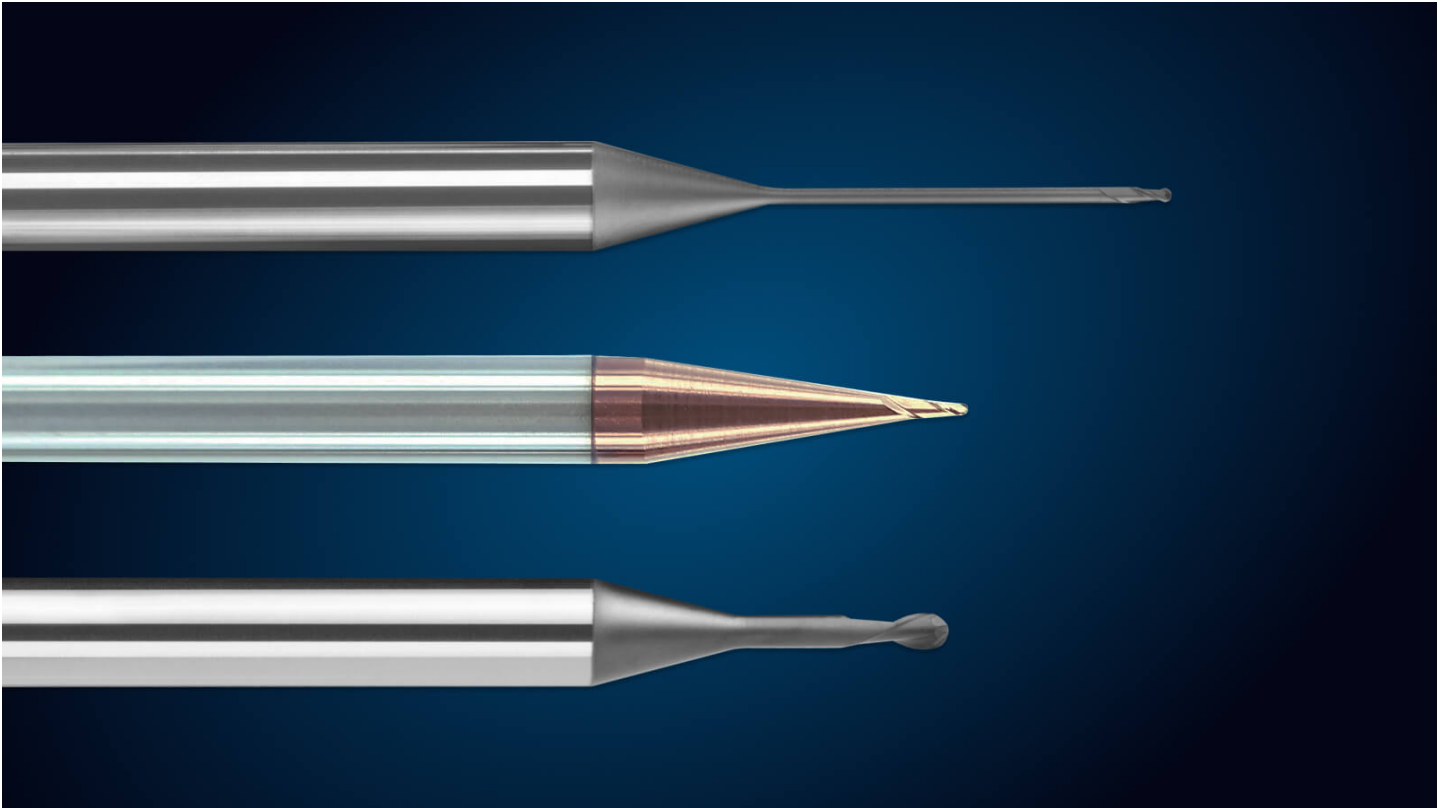


## Micromachining leaves no room for error



Excellent surfaces, stable processes, predictable tool life—CemeCon delivers coatings with a repeatability of less than 1  $\mu\text{m}$ .

### Maximum process reliability with micro tools

100% conforming parts, stable machining processes, predictable tool life

Reproducible coating quality worldwide

Tightest tolerances in the 1/10  $\mu\text{m}$  range

### Higher tool performance with super-sharp cutting edges

Smooth coatings without imperfections

Extremely smooth surfaces reduce tool wear

HiPIMS coating thicknesses below 1  $\mu\text{m}$ , diamond from 3  $\mu\text{m}$ —perfect for intricate geometries

### Longer tool life, higher productivity

Very hard and tough HiPIMS and diamond coatings

Excellent adhesion even on sharp cutting edges

Diamond coatings for extreme wear resistance and high thermal conductivity

## Full precision of the tool is maintained

Homogeneous layer growth even on complex micro tool geometries

Only minimal cutting edge rounding

## The highest coating quality begins before coating

Perfect cleanliness as a quality factor

Specially developed cleaning and handling processes for micro tools

## Our coating recommendations for micro-machining

### HiPIMS

[AluCon®](#)

[FerroCon®](#)

[InoxaCon®](#)

[MultiCon®](#)

[SteelCon®](#)

### Diamond

[CCDia®AeroSpeed®](#)

[CCDia®CarbideSpeed®](#)

[CCDia®CarbonSpeed®](#)

[CCDia®FiberSpeed®](#)

[CCDia®MultiSpeed®](#)

[MultiCon®](#)

[Micromachining](#)

[HiPIMS](#)

[Diamond](#)

[AluCon®](#)

[FerroCon®](#)

[InoxaCon®](#)

[MultiCon®](#)

SteelCon®

CCDia®AeroSpeed®

CCDia®CarbideSpeed®

CCDia®CarbonSpeed

CCDia®FiberSpeed®

CCDia®MultiSpeed