



MultiCon®

for wet and dry machining of steel and cast iron

The MultiCon® coating process is now available for all CC800®HiPIMS coating systems.

This coating material is the next step of AlCrN-based coatings, in particular the properties of the HiPIMS-technology make it unsurpassed: Excellent adhesion paired with a very smooth surface and optimized wear behavior.

Applicable in both wet and dry machining, MultiCon® promises reproducible tool life at the highest level.

Application example Milling of heat-treated steel

Material: **Heat-treated steel**
1,400N/mm²

Tool: **Solid carbide mill,**
Ø 8 mm

$v_c = 150 \text{ m/min}$

$n = 6,460 \text{ U/min}$

$f_z = 0.085 \text{ mm}$

$a_p = 0.028 \text{ mm}$

$a_e = 0.5 \text{ mm}$

Cooling: **Emulsion**



Technical data

Coating technology:

HiPIMS

Composition of the coating material:

AlCrN-based

Color:

Dark gray

Max. operating temperature:

1,100°C

Available coating thicknesses



≈ 1,5 µm (Thin)



≈ 3 µm



Talk to an expert

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