AlCrN goes HiPIMS: The new all-rounder for steel machining

Aluminium Hardened Steel Cast Iron CoCr Non-Ferrous Metals Hardened Stainless Steel Unhardened Titanium BUILD-UPEDGE HARD ABRASIVE

InoxaCon®

MultiCon®

FerroCon®

Workpiece Material

Recommended Coating Material

NEW: For wet and dry processing of steel and cast iron

SteelCon®

AlCrN coatings have long been established in steel processing, mostly using the arc process. Despite proven efficiency, performance gains have recently stagnated—until now: HiPIMS technology is providing new impetus. It enables extremely smooth, dense, and adhesive coatings. With MultiCon®, CemeCon presents the next evolutionary stage of its HiPIMS-based AlCrN coatings—significantly more powerful than arc alternatives. Steel is ubiquitous in industrial manufacturing and demands maximum performance from tools and coatings. With its latest HiPIMS coating material MultiCon®, CemeCon offers a high-performance solution specifically for milling and drilling cast iron and steels between 30 and 50 HRC. MultiCon® combines excellent adhesion, an extremely smooth surface, and optimized wear behavior to take machining quality and tool life to a new level—both in wet and dry machining.

AlCrN

HiPIMS

Steel Cutting

AluCon®

MultiCon®

CC800® HiPIMS