

SUPER-HARD COATINGS DLC 2.0

About ANTACON

We offer high-performance wear protection coatings distinguished by their exceptional properties. Engineered for reliability and efficiency, our coatings deliver measurable production advantages – including superior quality, enhanced operational stability, streamlined processing, and reduced manufacturing costs.

Why sTAC60®?



Extended Lifetime up to Factor 40



Increased Process Reliability



Improved Energy &
Resource Efficiency

We Provide



PVD Job Coating & Sampling

Unique Technology for First-Class Coatings



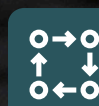
Coating Analytics

Analyzing Your Coatings to Support Quality Assurance



Consulting

Turning Your Request into Our Mission



Layer Design

Optimizing Your Application with Simulation-Based Coating Architectures



Coating Systems

Leveraging Technology for Efficiency and Competitive Advantage

The Surface makes the Difference!

We provide solutions ranging from job coating to full-scale coating systems.

Scan for Application Report
or click [here](#):



UNIQUE COATING PROPERTIES

Key Features of our Coatings



**Strong
Resistance**



**Minimal Processing
Temperature**



Super-Smooth



**Solid
Adherence**



Low Friction



Custom Designs

sTAC60[®] Layer Properties

Material:	C
Structure:	amorphous
Nano-Hardness HIT [GPa]:	> 60
Intrinsic Stress [GPa]:	< 0.1
Coating Thickness [μm]:	no limitation
Friction Coefficient (dry against steel):	0.1
Average Roughness Ra [μm]:	< 0.1
Deposition Temperature [$^{\circ}\text{C}$]:	< 90
Max. Operating Temperature [$^{\circ}\text{C}$]:	< 500

Fields of Application



Tools



**Medical
Applications**



Components



Food & Pharma



Automotive



Metal Forming