# SX Cerac

## **Next-Generation Surface Modification Treatment**

### **Three Main Features**

### **Excellent Lubrication**

Due to the synergy effects of the hardened coating slippage properties and machining oil retentive capabilities, outstanding lubrication is achieved.

### Long Life

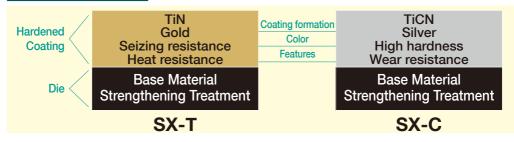
By using a strong base material, separation resistance is improved.

### Minimal Regrinding Volume

When re-producing punches, the degree of damage to the coating is minimized, which means that the amount of regrinding is very small. This extends the total life of the die.

### **SX Types and Features**





### **SX Cerac Use Examples**



### Drawing and Ironing

Machined part	Automobile suspension component
Die material	DC53 62HRC
Machined material	SPCC 1.2t

#### Die

No coating: several thousand shots

CVD (three-layer) coating: 270,000 shots

> 820,000 shots (wear)



#### Blanking

Machined part	Automobile exhaust component
Die material	Powdered high-speed tool steel 63HRC
Machined material	SUS304 8.0t

### Punch (ø9)

VD (TiC): 4,000 shots	
TD: 3,000 shots 📫	30,000 shots (breakage)