CB-CERATIZIT GROUP

Blanking and Lamination

EDM Carbide Blank for High Speed Electronic Stamping

Solution for Copper Alloy and Stainless Steel Stamping

www.cbceratizit.com

Product Information

Over 100 Years of Group Experience in Carbide Production

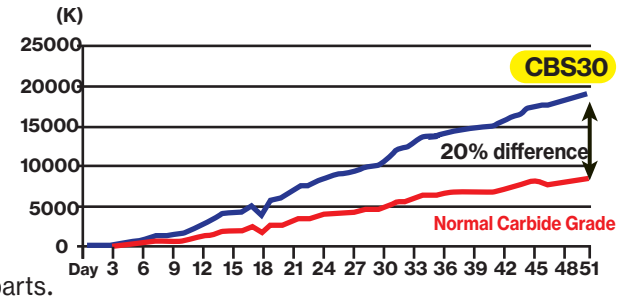
Carbide Solution for Electronic Stamping

Characteristics

- Submicron, High Wear Resistance, High Toughness
- High TRS (Increase the strength of punch)
- Corrosion Resistance

Application

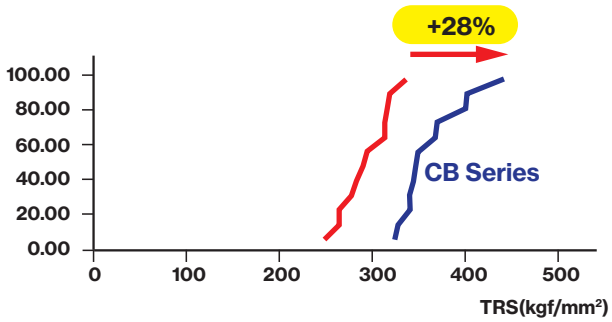
- For all kinds of electronic stamping, folding , deep drawing process.
- For stamping Cu alloy (Cu-P, Cu-Ni etc.) , Stainless Steel electronic parts.
- For making small punch and die parts.
- Good for all kinds of carbide machining process e.g. WEDM, Grinding , PG.



▲ Cumulative tool life Comparison in Copper alloy (Cu-P) Stamping

Grade Specification for Electronic Stamping

Grade	Hardness (HRA)	TRS (kgf/mm²)	Toughness (MPam^1/2)	Density (g/cm³)
NEW!! CBS30	91.0	420	11.8	13.80
NEW!! CBU22	92.3	380	9.0	14.15
NFS26	90.5	350	12.0	14.08
NFS16	92.0	350	9.5	14.56



▲ Improve TRS Performance

Advantage of NF and CB Series

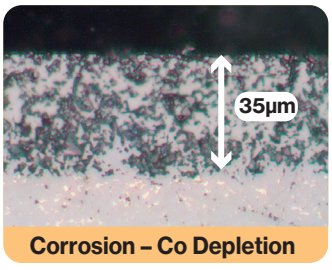
1. Increase Tool Life
NF and CB series has combined hardness and toughness which help to increase the wear resistance and shock resistance of the tools.

2. Increase Tools Machinability and Stability
With the improved grade quality, tools chip off problem can be highly reduced.

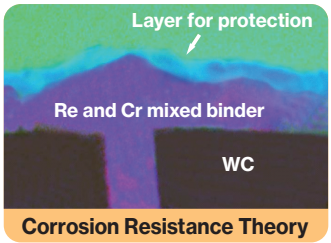
3. Grade Consistency
With extra Sinter-HIP process, the grade consistency are much improved.

4. Corrosion Resistance
NF series can avoid sticking of Cu onto the tool surface during stamping and thus surface finishing are much improved.

5. Improved TRS Performance
Strengthen and avoid breakage or deformation of small punching tools



Corrosion – Co Depletion



Corrosion Resistance Theory

■ **CB-CERATIZIT (Xiamen) China Head Office**

ADD: 69 Xingxi Rd., Xinglin, Jimei, Xiamen, China, 361022
TEL: +86-592-666-1000 **FAX:** +86-592-621-9599
E-mail: sales@cbceratizit.com

■ **CB-CERATIZIT (Taiwan) Group Head Office**

ADD: 3F., NO. 217, Sec.2, New Taipei Blvd., Hsin Chuang Dist., New Taipei City 24250, Taiwan (R.O.C.)
TEL: + 886-2-8521-6688 **FAX:** + 886-2-8521-1011
E-mail: sales@cbceratizit.com

For more information, Pleas visit our website