



MATE PRODUCT BULLETIN

PREMIUM TOOL STEEL COATING

MAXIMA™ ZrTiN Tool Coating

MAXIMA™

Recent developments in coating technology have produced improved treatments for turret punch press tooling. Mate Precision Tooling is now pleased to offer “Maxima™”, a premium tool steel coating.

What is Maxima? Maxima is a premium tool steel coating that has been specially formulated for turret punch press tooling applications. Maxima is a multilayer Zirconium Titanium Nitride (ZrTiN) coating that is hard, wear resistant, and lubricious. It acts as a barrier between the punch and the sheet metal being punched and, because of its exceptional lubricity, greatly improves stripping.

Why is Maxima better? Maxima is applied to the precision ground surface of Mate’s premium M2 high speed steel punches. Since Maxima is an extremely hard, wear resistant, slippery material which reduces the friction that occurs during the stripping portion of the punching cycle, it is particularly good for abrasive tooling applications. Less friction means less heat build up, less galling and longer tool life.

Results! In real life tests around the world Maxima has increased tool life by a factor of 10, 12, even 15 and the tools are still in production. How much more tool life can you expect in your application? Try Maxima! We stand behind our products with our 100% unconditional satisfaction guarantee. No disclaimers. No fine print.





mate.com

MATE PRECISION TOOLING

United States

1295 Lund Boulevard • Anoka, Minnesota 55303
Phone 763-421-0230 • 800-328-4492 • Fax 763-421-0285 • 800-541-0285

Germany

Im Heidegraben 10 • 61440 Oberursel
Phone 06171 924202 • Fax 06171 924240

Sweden

Ängsvägen 4 • 443 42 Gråbo
Phone 46-302-45140 • Fax 46-302-40250

Malaysia

33-18-3 Sri Penaga • Jalan Medang Serai • Bukit Bandaraya • 59100 Kuala Lumpur
Phone 60-3253-1390 • Fax 60-3253-1568