PRODUCT ANNOUNCEMENT

MATE TRUMPF STYLE TOOLING LASTS LONGER WITH M4PM™ TOOL STEEL

Mate has long offered the most comprehensive range of tooling for Trumpf-style punch presses: the economy of conventional Trumpf-Style tooling, the convenience of **QuickLock™** with its keyed alignment ring and the high performance **NEXT™** insert tooling system.

Mate's Trumpf-style tooling is now even better with the ***superior performance and longevity of Mate's M4PM™ tool steel***, now standard on the following products:

- All **conventional** Trumpf-style Size 0 and Size 1 punches
- All **QuickLock™** Size 1 punches
- All **Minimatic** Size 0 and Size 1 punches ***EXCEPT*** Size 1-X
- All **NEXT™** Size 40 and 76 punches
- All Trumpf-style Size 5 and Size 10 Multi Tool punches
- All Trumpf-style Size 5 and Size 10 Multi Tool dies
- All LongLife™ slitting punch and die inserts

There is no change in price even though Mate uses superior material!

M4PM™ Steel
Designed for use in high performance tooling systems, M4PM™ is a high speed, particle metallurgy steel that combines the chemical composition of M4, particle metallurgy manufacturing and a triple temper heat treatment process.

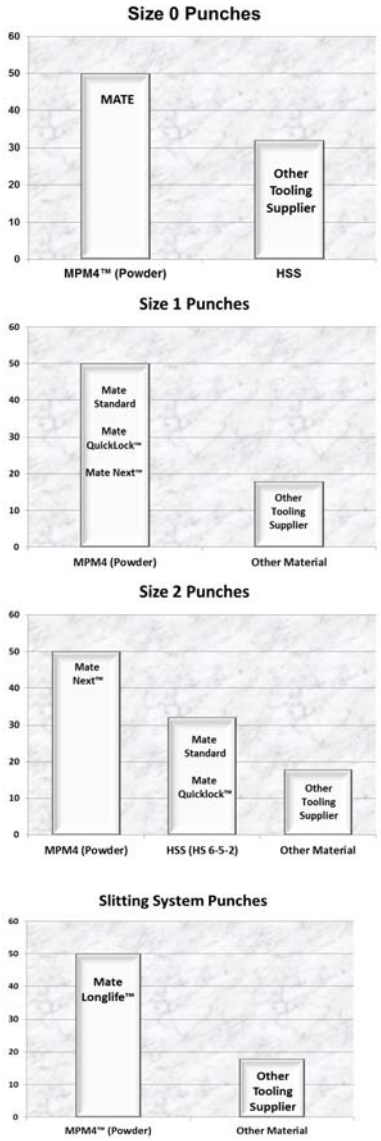
M4PM offers superior resistance to adhesive- and abrasive-wear to maximize the interval between regrinds. The increased alloy content results in higher effective hardness for better wear resistance. A more uniform distribution of smaller carbides results in significantly reduced tool breakage and edge chipping.

Longer Lasting Tooling
With the clear advantage of M4PM steel, Mate's superior accuracy and precision, customers have a winning combination: reliable, consistent, long-lasting tooling. Compared to conventional high speed steel, Mate's Trumpf-style tooling with M4PM has at least 50% greater wear resistance, and compared to some other tooling suppliers, M4PM has more than 150% greater wear resistance!

What does long-lasting tooling mean to your customers?

- *Increased* machine uptime
- *Improved* sheet metal products
- *Reduced* overall tooling costs
- *Lower* overall production costs

WEAR RESISTANCE INDEX COMPARISONS



Wear Resistance Index values were developed by an independent metallurgical expert, evaluating both adhesive and abrasive wear characteristics of tool steels at typical levels of hardening.

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