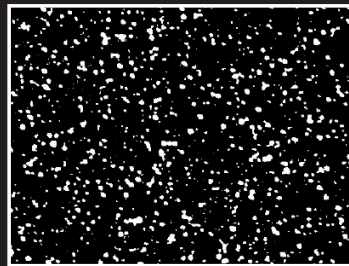


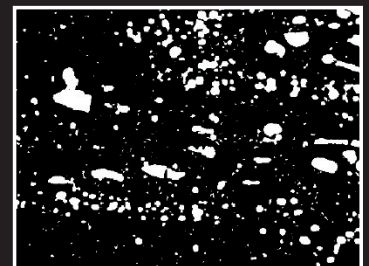
Superior Solutions for Sheet Metal Fabricators

# MATE® TRUMPF® STYLE TOOLING

With M4PM™ Tool Steel



M4PM™



Conventional Tool Steel

PN 2012

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**MATE®**  
**M**  
**PRECISION**  
**TOOLING**

TRUSTED | QUALITY | SERVICE | SOLUTIONS

# MATE® TRUMPF® STYLE TOOLING LASTS LONGER WITH M4PM™ STEEL

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

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

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

## 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, and you have a winning combination: reliable, consistent, long-lasting tooling. Compared to conventional high speed steel used by other manufacturers, Mate's Trumf-style tooling with M4PM has at least 50% or greater wear resistance.\*

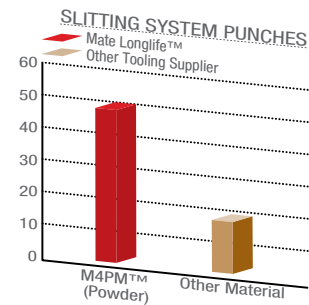
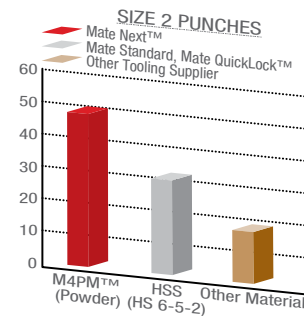
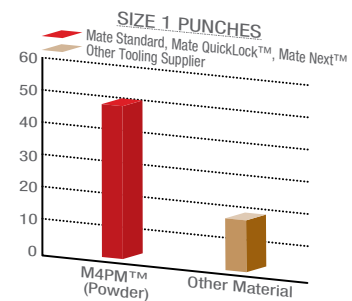
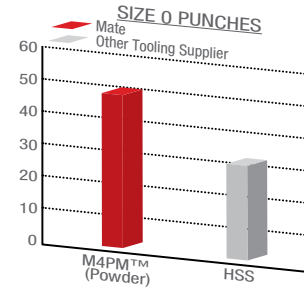
What does long-lasting tooling mean to you?

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

## Put Mate Trumf-Style Tooling to the Test

Like all Mate products, Mate Trumf-style tooling is backed by our 100% customer satisfaction guarantee. You have nothing to lose. If you are not satisfied, we'll take the tooling back...no questions asked.

## 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.

[Dimensions in Inches(mm)]

