



MULTI TOOL SYSTEMS

ULTRA[®], ULTRA[®] UMT & ULTRA[®] IMT
FOR THICK TURRET

MATE PRECISION TOOLING

FIVE DECADES OF GLOBAL EXCELLENCE

Founded in 1962, Mate is a world-class manufacturer of superior sheet metal fabrication products and solutions. We manufacture tooling for every major CNC punch press. In North America, we also offer a complete line of press brake tooling and CO2 laser consumables. Mate products and services are available worldwide, fully supported by over than 80 dealers in every industrialized country.



Headquartered in Anoka, Minnesota, in a 300,000 sq. ft. (28,000m²) state-of-the-art facility.



WE RESPECT YOU PERSONAL CONNECTIONS

Mate does business with people, not companies. Our connection to you is personal. Mate's team of manufacturing and sheet metal professionals knows what you go through. We know what it's like to compete for that next job, manage deadlines or even need a rescue. With Mate you have a partner that respects your knowledge and is dedicated to helping you succeed.



WE SUPPORT YOU YOUR GO-TO SOURCE

In your plant. Or on the phone. From our Sales Engineers and Customer Service, to our machinists and shipping department, Mate is pulling for YOU. Mate's in-field sales engineers know from experience what happens on the shop floor. They speak your language, fully capable of helping you improve processes and solve problems. Inside Mate, Customer Service makes quoting and ordering tooling fast and easy, guiding it through our world class manufacturing systems to ensure you receive your order when you expect it.



WE INSPIRE YOU THINK BOLD, WE'VE GOT YOU COVERED

Whether it's on-site at your facility or in our Solution Center, Mate can inspire innovation from looking at new ways to use existing products or by developing new or specialty solutions that meet your specific requirements. Mate's team will assist you with a fast solution, whether it's a hinge, a building façade or a completely new challenge. Plus you're BACKED by our no-risk 100% customer satisfaction guarantee.

MATE'S MISSION AND PROMISE TO YOU:

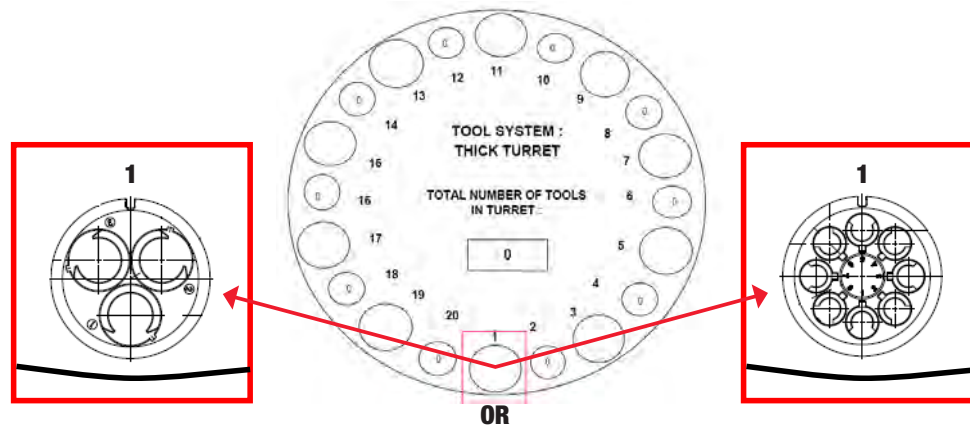
To personally **respect**, **support** and **inspire** sheet metal professionals around the world with high-quality precision tooling and services.



ULTRA®, ULTRA® UMT & ULTRA® IMT MULTI TOOL SYSTEMS 8 STATION AND 3 STATION

Ultra®, Ultra® UMT, Ultra® IMT multi tool assemblies make full use of the advantages of Mate Ultra® QCT™ and Ultra TEC® punches, strippers and Slug Free® dies. They provide complete compatibility with existing tooling inventory for added convenience. Mate Ultra® multi tools fit into 3-1/2" D-Index stations and are available in two versions for maximum flexibility.

A multi tool allows a standard indexing D-Station in a punch press to accept 8 or 3 “mini” stations. By using just one multi tool, your 20 station punch press becomes a 22 or 27 station press, expanding your capacity much more economically than purchasing an additional machine.



MULTI TOOLS ADVANTAGES

Multi Tools add more available stations to a punch press reducing set-up and changeover time.

Multi Tools provide a convenient way to quickly exchange/stage multiple punches, dies, strippers

Multi Tools can either be dedicated or a drop-in style for an auto-index station

Drop-in Multi Tools add more indexing stations to a punch press and allow a standard D Station to be used if needed

Multi Tools can offer constant die penetration through programming adjustments:

- For the Fixed Station multi tools, punches should be ground to the same length
- Mate recommends 3mm die penetration on slug-free dies

SYSTEM FEATURES



ULTRA® TEC & ULTRA® QCT™:

Mate ULTRA Multi Tools accept ULTRA® TEC & ULTRA® QCT™ punches for exceptional life between regrinds. Strippers are recessed for an additional 0.118(3.00) punch grind life. Slug Free® dies eliminate slug pulling and increase part quality.



QUICK TOOL CHANGE:

The twist-lock design of the upper assembly allows tools to be changed in seconds, without the need for additional hand tools, and without the need for disassembly. Faster tool changes optimize machine productivity and efficiency.



INTEGRAL PUNCH LENGTH ADJUSTMENT:

Each punch length can be independently adjusted to ensure the precise punch-to-stripper lead is maintained for optimum punching performance across a wide range of material thickness from 0.020(0.50) to 0.236(6.00).

MATE ULTRA® MULTI TOOL SYSTEMS

8 STATION AND 3 STATION

MATE ULTRA® MULTI TOOL 8 STATION ASSEMBLY

UPPER:
LOWER:
MATE00967
MATE00968

Achieved angles:
Stations 1, 3, 5, 7: Rounds only
Stations 2, 4, 6, 8: 0°, 90°, 225°

MATE01764

for Danobat
machines
(more slots).

Achieved angles:
Station 1, 3, 7: 90°
Station 2, 4, 6, 8: 0°, 90°,
225°
Station 5: Rounds Only


SPECIFICATIONS:

Punch point range:	0.020(0.80) to 0.618(15.70)
Tooling:	Ultra® TEC® & Ultra® QCT™ 1/2" A station punches, strippers, and Slug Free® dies
Maximum tonnage:	U.S. 6 Tons - 54 kN - 5.4 Metric Tons
Max material thickness:	6mm (.236")

MATE ULTRA MULTI TOOL 3 STATION ASSEMBLY

UPPER:
LOWER:
MATE00969
MATE00970

Achieved angles:
Each station: 0°, 45°, 90°

MATE01030

for non-indexable
machines.

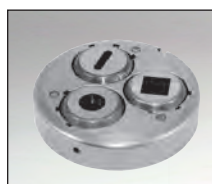
Achieved angles:
Station 1, 3: 0°, 90°,
Station 2: 0°, 315°

MATE02371*

for Ermaksan
single head
machines with 103
mm slug hole.

Achieved angles:
Each station: 0°, 45°, 90°

* if slug hole is 90mm, use MATE00970


SPECIFICATIONS:

Punch point range:	0.020(.80) to 1.250(31.70)
Tooling:	Ultra TEC® & Ultra® QCT™ 1-1/4" B station punches, strippers, and Slug Free® dies
Maximum tonnage:	U.S. 12 Tons - 107 kN - 11 Metric Tons
Max material thickness:	6mm (.236")

PATENT INFORMATION:

US 7726554 US 8376215
US 8464928 US 8152052
CA 2664784 MX 305729
MX306976 MX305727
CN 101528427
PAT. PEND

USAGE NOTES:

Requires compatibility with machine ram and programming software.

Contact your punch press machine supplier for compatibility.

Part numbers for Multi Tool assemblies do not include punches and dies.



**3 or 8 Station
Hardened Shim**

**MATE02330
\$5.00**



MATE ULTRA® UMT MULTI TOOL SYSTEMS

FOR PRIMA POWER ROTATING RAM MACHINES — 8 STATION AND 3 STATION

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ULTRA® UMT™ MULTI TOOLS

MATE FULLY INDEXABLE ULTRA UMT-8A MULTI TOOL 8 STATION ASSEMBLY

UPPER: MATE02467

LOWER: MATE02463



SPECIFICATIONS

Punch point range:	.020(.51mm) to .618(15.70mm)	
Tooling:	Ultra TEC® & Ultra® QCT™ 1/2" A station punches, strippers, and Slug Free® dies.	
Maximum tonnage:	U.S. 6 Tons - 54 kN - 5.4 Metric Tons.	
Max material thickness:	6mm (.236").	
Achieved angles: (if not using a rotating ram machine)	Station 1: 90° Station 2: 135° Station 3: 180° Station 4: 225°	Station 5: 300° Station 6: 315° Station 7: 0° Station 8: 45°

MATE FULLY INDEXABLE ULTRA UMT-3B MULTI TOOL 3 STATION ASSEMBLY

UPPER: MATE02460

LOWER: MATE02455



SPECIFICATIONS

Punch point range:	.020(.51mm) to 1.250(31.70mm)	
Tooling:	Ultra TEC® & Ultra® QCT™ 1-1/4" B station punches, strippers, and Slug Free® dies	
Maximum tonnage:	U.S. 12 Tons – 107 kN – 11 Metric Tons	
Max material thickness:	6mm (.236")	
Achieved angles: (if not using a rotating ram machine)	Station 1: 90° Station 2: 180° Station 3: 0°	

PATENT INFORMATION:

US 7726554 US 8376215
US 8464928 US 8152052
CA 2664784 MX 305729
MX306976 MX305727
CN 101528427
PAT. PEND

USAGE NOTES:

Requires compatibility with machine ram and programming software.

Contact your punch press machine supplier for compatibility.

Part numbers for Multi Tool assemblies do not include punches and dies.



**3 or 8 Station
Hardened Shim**

MATE02330

MATE ULTRA® IMT™ MULTI TOOL SYSTEMS

FOR PRIMA POWER ROTATING RAM MACHINES — 8 STATION AND 3 STATION

MATE FULLY INDEXABLE ULTRA IMT-8A MULTI TOOL 8 STATION ASSEMBLY

Ultra IMT™ 3-Station (not machine specific)

Upper: MATE01850
Lower: MATE00697

Ultra IMT™ 3-Station (machine specific uppers & lowers)

Upper Only: MATE02069 JFY MACHINES
Upper Only: MATE02010 BAYKAL MACHINES
Lower Only: MATE02058 DURMA MACHINES



SPECIFICATIONS

Punch point range:	.020(.51mm) to .618(15.70mm)
Tooling:	Ultra TEC® & Ultra® QCT™ 1/2" A station punches, strippers, and Slug Free® dies.
Maximum tonnage:	U.S. 7 Tons – 62 kN – 6.3 Metric Tons.
Max material thickness:	6mm (.236").

The fully indexable Ultra IMT™ 8-Station multi tool works with Ultra TEC® and Ultra®QCT™ A Station punches, strippers and Thick Turret Slug Free® dies up to a maximum punch diagonal of .618" (15,70 mm). The multi tool accepts 8 "mini" stations. All fully indexable multi tools can achieve any angle setting on the workpiece.

MATE FULLY INDEXABLE ULTRA IMT-3B MULTI TOOL 3 STATION ASSEMBLY

Ultra IMT™ 8-Station (not machine specific)

Upper: MATE01840
Lower: MATE00050

Ultra IMT™ 8-Station (machine specific uppers & lowers)

Upper Only: MATE02068 JFY MACHINES
Upper Only: MATE02007 BAYKAL MACHINES
Lower Only: MATE02060 DURMA MACHINES



SPECIFICATIONS

Punch point range:	.020(.51mm) to 1.250(31.75mm)
Tooling:	Ultra TEC® & Ultra® QCT™ 1-1/4" B station punches, strippers, and Slug Free® dies
Maximum tonnage:	U.S. 16 Tons – 142 kN – 14.5 Metric Tons
Max material thickness:	6mm (.236")

The fully indexable Ultra IMT™ 3-Station multi tool works with Ultra TEC® and Ultra®QCT™ B Station punches, strippers and Thick Turret Slug Free® dies up to a maximum punch diagonal of 1.250" (31,75 mm). The multi tool can achieve any angle setting on the workpiece.

See Ultra® IMT Product Bulletin for additional information (LIT00745)

PATENT INFORMATION:

US 7726554 US 8152052
US 8464928 US 8413561
CN 101528427 CN 101528427
MX 306976 MX 305729
CA 2664784

USAGE NOTES:

Requires compatibility with machine ram and programming software.

Contact your punch press machine supplier for compatibility.

Part numbers for Multi Tool assemblies do not include punches and dies.



**3 or 8 Station
Hardened Shim**

MATE02330





MATE PRECISION TOOLING GLOBAL COVERAGE

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