



MOLD BASE ASSEMBLIES

Precision Mold Bases
Custom Sizes
Built to Your Specifications



Four Levels of Benefits - Same High Quality Across Levels:

BRONZE - Level One

Undeveloped standard mold base assemblies & standard plates

SILVER – Level Two

Advanced machining details of standard mold bases & custom plates

GOLD – Level Three

Fully developed / complex machining details, Pocketing etc. of standard mold bases

PLATINUM – Level Four

Gold level machining mold bases packaged with standard and engineered mold components and accessories

Standard Full Assemblies Include:

- Clamp Slots
- Offset Corner
- Guided Ejection Elements
- Pry Bar Slots
- Leader Pin Vents
- 43 Standard Mold Base Sizes - 8" x 8" to 24" x 35"

Material Options – All Levels

- **DME #1:** AISI 1045, DIN 1.1730 or equivalent, annealed
- **DME #3:** AISI P20, DIN 1.2311, G40CrMnMo7 or equivalent, 28/35 HRC
- **DME #7:** Modified AISI 400 series stainless steel, 32-36 HRC (302-340 Bhn)

To request a mold base quote, download our *Mold Base Quote Request Form* and submit along with any necessary CAD to:
DMEUS-Steel-Cust-Svc@DME.net

DME Four Tier Product Offering

BRONZE LEVEL ONE

Standard, cost-effective solutions for basic mold manufacturing needs

The **BRONZE** category represents our **entry-level product offering**, focused on **standard, proven, and cost-effective solutions**. It supports **basic mold manufacturing requirements** using standardized components and essential machining only, without customization or advanced features.

PRODUCTS

STANDARD PLATES

- All standard-size mold base plates
- Manufactured to defined industry dimensions
- No customization or special configurations

Best suited for standard tooling layouts with no size or feature deviations.



Typical standard plate stack (illustrative)

PRODUCTS

STANDARD MOLD BASES

- All DME Standard Mold Bases
- Traditional, proven plate stack designs (no special or modified series)

For additional machining or modified bases, refer to SILVER category.



MACHINING SERVICES

- 6-Sided Milling
- Drill, Bore and Ream

These operations support standard assembly features only. Advanced or custom machining is not included under BRONZE.



DME Four Tier Product Offering

SILVER LEVEL TWO

Standard size mold bases with additional machining and modifications

The **SILVER** category expands on BRONZE by offering **non-standard plate sizes and additional machining** while retaining controlled, repeatable designs. It provides greater flexibility and improved precision without moving into fully custom or highly complex solutions.

PRODUCTS

SPECIAL MOLD PLATES

- *Mold plates outside standard size offerings within defined limits*
- *Used when standard plates cannot meet application requirements*



MODIFIED STANDARD MOLD BASES

- *Standard-size mold bases with additional machining*

For sizes beyond standard configurations, refer to GOLD category.



PRODUCTS

DIE CASTING INSERTS

- *Replacement units for die holders*
- *Manufactured as standalone units*



MACHINING SERVICES

SILVER includes all BRONZE-level machining, plus additional capability to improve flatness, parallelism, and surface finish.

- *Drill, Bore, Ream and **Surface Grinding***



DME Four Tier Product Offering

GOLD LEVEL THREE

Large-format mold bases with advanced machining capabilities

The **GOLD** category represents **advanced and large-format product offerings**, designed for applications that go beyond standard mold base configurations. It supports **larger sizes, more complex machining, and functional enhancements** required for advanced tooling.

PRODUCTS

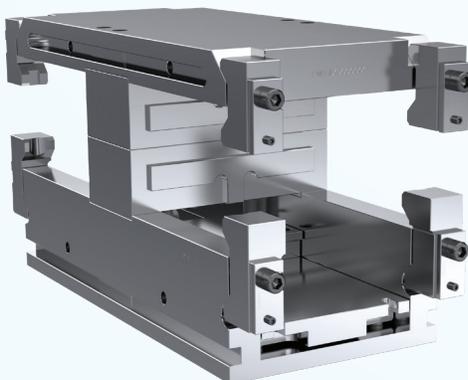
LARGE SIZE MOLD BASES

- *Mold bases exceeding standard and modified standard size offerings*
- *Designed for large-scale and high-capacity tooling applications*
- *Requires advanced manufacturing planning and machining capability*



DIE CASTING HOLDERS

- *Standard die casting holders*
- *Supplied as complete units*

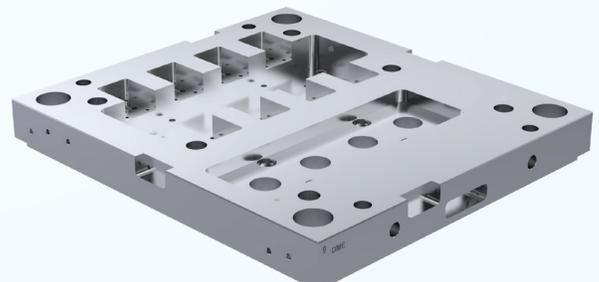


MACHINING SERVICES

*GOLD includes all **BRONZE** and **SILVER** machining services, plus advanced machining capabilities:*

- *Drill, Bore and Ream*
- *Surface Grinding*
- ***Gun drilling for water lines***
- ***Rough and finish pocketing***

These services support complex internal features, cooling circuits, and functional geometries required for advanced tooling.



DME Four Tier Product Offering

PLATINUM LEVEL FOUR

Fully integrated, complete mold base solutions

The **PLATINUM** category represents our **highest and most comprehensive product offering**, delivering **fully integrated, ready-to-assemble mold base solutions**. It is intended for customers who require **complete mold bases with advanced features, full component integration, and streamlined in-house assembly**.

PRODUCTS

COMPLETE MOLD BASES

- Fully integrated and **complete mold bases**
- Includes all required plates and integrated components
- Delivered as a complete system rather than multiple component orders

Ideal when customers require minimal internal engineering effort.



MACHINING SERVICES

PLATINUM includes the full range of machining services available under GOLD, covering everything from basic operations to advanced features such as:

- Gun drilling (water lines)
- Rough and finish pocketing
- All BRONZE and SILVER level machining operations

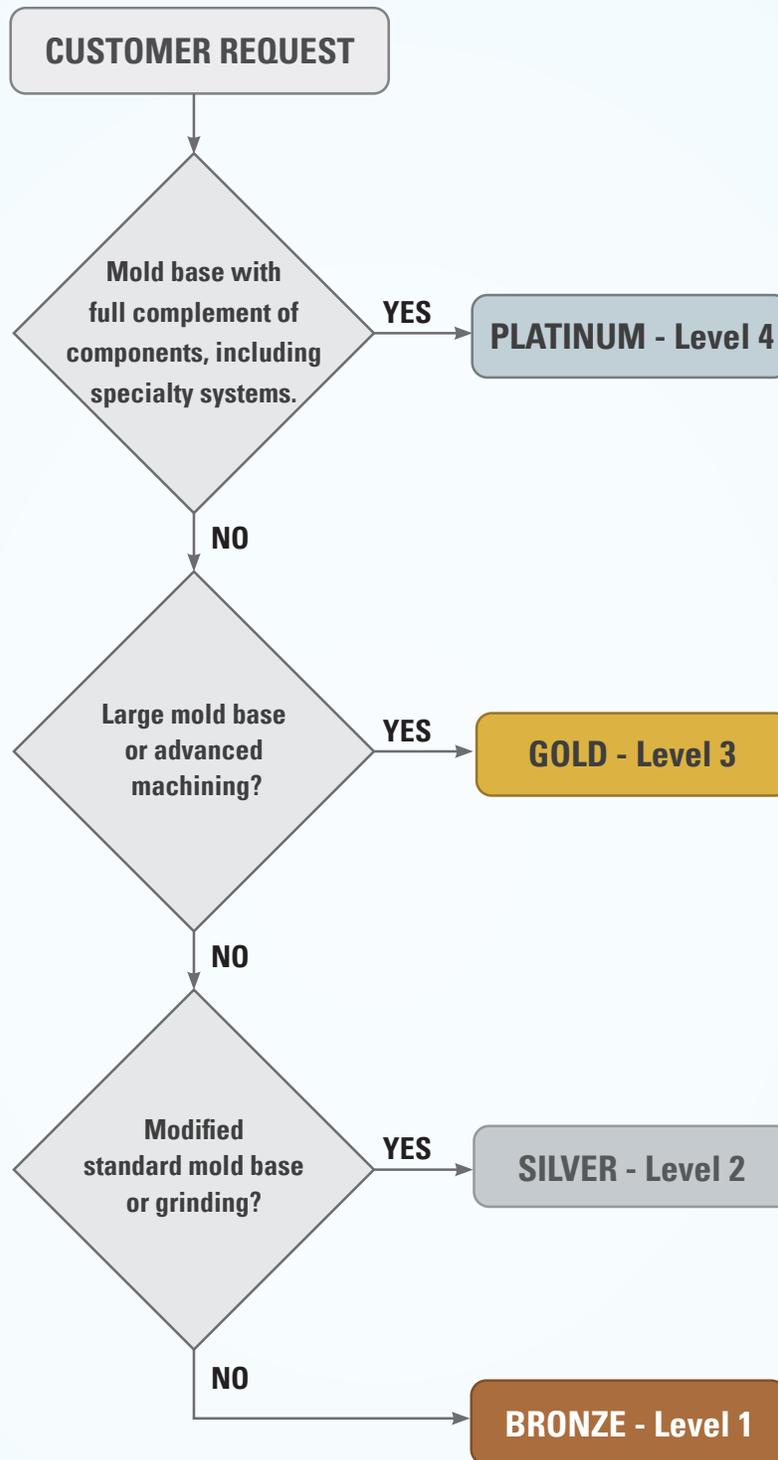
COMPONENTS INCLUDED

PLATINUM mold bases may include, as applicable:

- Support pillars
- Leader pins and bushings
- Guided ejection pins and bushings
- Springs
- Latch locks (internal or external)
- Water manifolds and water fittings
- Hoist rings
- Cycle counters
- Lifters
- Hydraulic cylinders, etc.

These components, including engineered components, are a part of the complete mold base order, simplifying customer project management.





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