

# STEEL CAPABILITIES

## 6-SIDED MACHINING

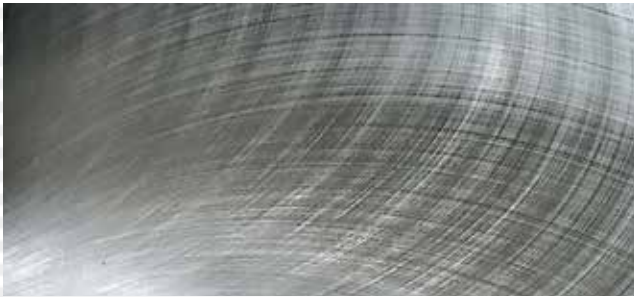


# DME MOLD BASES & STEEL PLATES

## A WORLD LEADER IN MOLD BASES

A long lasting, reliable mold base is dependant upon the quality of it's steel plates.

The new **DME micro fine finish plates (RGM)** are **six-sided machined** with fine milling services directly connected to the saw process. It is a cost-effective alternative to the ground finished and is available for all materials in our stock list. By outsourcing the service you can save valuable time, free up personnel and machine capacity, and as a result save money.



The circular swirl pattern created by this grinder is synonymous with a rotary ground finish.  
**Surface Finish RA 90.**



The milled stripes across the plate created by DME's state-of-the-art Fine-Milling technology.  
**Surface Finish RA 90.**



Today, this pattern is now complemented with DME's new state-of-the-art "**Fine-Milling**" technology. Using new advanced milling equipment and tooling DME is able to produce a surface quality finish that matches or surpasses that of rotary grinding. The appearance of this RGM plate is a series of milled stripes across the plate. DME supplies both Rotary Ground or Fine Milled surface finishes to the market.

DME's new fine-milling process provides a safer, more sustainable and improved carbon footprint solution as it minimizes the generation of dust and the chips can be more easily recycled versus the sludge that the traditional grinding process creates.

### QUALITY YOU CAN TRUST... **2 Different Finishes SAME DME SPECIFICATIONS!**

Although different in appearance, both surface finishes have the exact same tolerances and exactly the same additional grind stock providing you with a steel of consistent performance.

### CAPABILITIES



#### Cutting

Saw Cutting up to 15"Ø, Plate sawing up to 40"W & 24" thick. Plasma/Flame, Water-Jet, & Laser Cutting all available upon request.



#### Rotary Ground

60" Corner to corner maximum. (Larger upon request)



#### Finish Ground

DME's flagship CNC surface grinder can grind 60 x 80 inch plates up to 27 inches thick. Micro Milling available.



#### Milling

Rough Milling & Finished Milling.



# DME STEEL FINISHES

## RE-DEFINING THE STANDARD ONCE AGAIN

DME has served mold makers worldwide for over seven decades. Working with the world's leading mills our selected grades of steel are formulated for the precise requirements of the mold industry. Steel of the highest quality is complemented with our value-added machining services (such as gundrilling, counterbores, clamp slots, chamfers, lift holes and pockets) which enable us to meet the most demanding specifications and delivery times.

DME's worldwide conversion centers stock a diverse array of steel grades and plate sizes all available for quick shipment. Let us put our steel machining experience to work for you



### OUR STEEL GRADES

- DME #1** – A36 mild Carbon & 1030 medium Carbon
- DME #2** – AISI 4130 medium alloy steel with outstanding properties
- DME #3** – P20 modified, preheat treated, highly polishable. A unique formulation, this modified P20 started it all and is still unmatched today.
- DME #5** – An H13 with proven long life performance
- DME #6** – AISI 420 annealed cavity steel, highly polishable
- DME #7** – 400 Series stainless (modified)

### OUR STEEL FINISHES

DME stocks standard steel plates. DME has, in excess of, 5000 steel plates to ensure that your plate and steel service order starts immediately. Available in:

- SCP** – (Saw Cut Plate)
- RGC** – (2-Side Rotary Ground & Cut)
- RGM** – (6-Side Rotary Ground & Milled)
- FG** – (6-Side Finished Ground & Milled)

### DME QUALITY STANDARDS

To ensure you only receive the highest & most consistent quality of material, we put DME Steel through its paces before it ever arrives on your doorstep. In addition to the standard chemical composition and mechanical surface properties, DME machine tests the steel we use. We saw, cut, grind, drill, rough and finish mill DME steel to replicate your operational needs in the world of high-performance machining. Only when it passes DME's stringent tests do we stamp it with the DME quality mark - then it's **"Machined-4-Quality"**.



» The DME "MARK of QUALITY" provides you with the knowledge that the steel has been time tested for precision machining.



#### Dual Head Square Milling

16" Thickness, maximum width 48" ± .002 finish sizes (inquire for higher tolerances).



#### Precision CNC Milling / Boring

x = 60" y = 51" z = 14" (Larger upon request.)  
Tolerance standard ± .001" or ± .0002" if specified.



#### Drilling

Drilling: Standard & Deep Hole.



#### Gun Drilling

Precise sizes from 0.125" to 2.000" diameter. Maximum depths 60". Deeper drilling available upon request.

CAPABILITIES

## DME Delivers!

With hundreds of thousands of parts available off the shelf and conveniently located at our regional distribution centers the DME Speed service program ensures your products are delivered to your doorstep fast and efficiently



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