



Solid Carbide  
**Special Cutting Tools**  
Blueprint • Design • Modified Standards

- Solid Carbide
- Coolant Through
- HSS, M42, PM
- Carbide Tipped

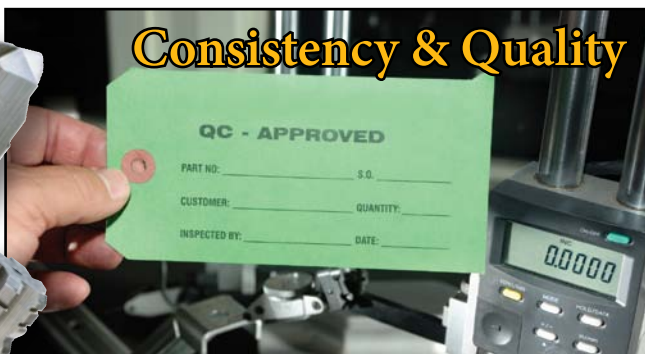
**LOCAL MANUFACTURING**



***FAST DELIVERY***

- End Mills
- Reamers
- Saws
- Drills
- Arbor Cutter
- Porting Tools
- Miniature Tools (From 0.001")

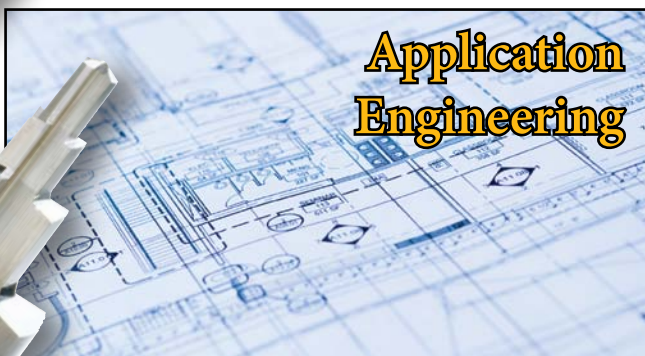
**Consistency & Quality**



**CNC Grinding**



**Application  
Engineering**



**Tool Performance  
Optimization**



**Advanced Tool, Inc.**  
A Premier Cutting Tool Supplier to Industry

*High Performance Cutting Tool Products & Services*  
*Manufactured Specials • Tool Modifications • Reconditioning Services*



# Special Carbide End Mills

## 48 Hours

### guaranteed shipment or the tools are **FREE!**

- ANY Conventional, Uncoated End Mill
- ANY Cutting Diameter- inch or metric
- ANY Single Diameter Cutting Edge
- ANY End Geometry
- ANY Helix Angle
- ANY Plain or Flatted Shank

We guarantee we'll ship uncoated tools within the following parameters no later than 48 hours from receiving the order. If we don't, the tools are yours at *no charge!!!*

The tools we'll manufacture for you will be CNC ground to exacting specifications and if we know the material you're cutting and the application, we can even enhance the geometry and increase your productivity. We supply the best performing tools and we supply them fast. The special end mills below are only a part of what we do. Try our service on these and you'll find yourselves working with us on the "tough stuff."

Advanced Tool is a cutting tool supplier providing performance and service that warrants your attention.



Cutting Diameter	Shank Diameter	Maximum		Radius Range		Maximum Quantity Per Line Item
		Overall Length	Maximum # of Flutes	Minimum	Maximum	
0.020" to 0.125"	1/8	1 1/2	5	0.010"	0.020"	36
0.126" to 0.187"	3/16	4	6	0.010"	0.030"	36
0.188" to 0.250"	1/4	6	8	0.010"	0.060"	36
0.251" to 0.312"	5/16	6	8	0.010"	0.080"	36
0.313" to 0.375"	3/8	6	8	0.010"	0.090"	36
0.376" to 0.437"	7/16	6	8	0.010"	0.100"	36
0.438" to 0.500"	1/2	6	10	0.010"	0.125"	36
0.501" to 0.562"	9/16	6	10	0.010"	0.125"	24
0.563" to 0.625"	5/8	6	10	0.010"	0.250"	24
0.626" to 0.750"	3/4	6	10	0.010"	0.250"	24
0.751" to 0.875"	7/8	6	10	0.010"	0.250"	24
0.876" to 1.000"	1	6	10	0.010"	0.250"	24

\*For greater quantities, a longer lead time may be required.



- Our engineers will determine and advise
  - if a shank length requested is inappropriate for the tool
  - if the geometry requested could be reconsidered for enhanced performance
- Coating Services are available. Lead times are:
  - TiN, TiCN, TiALN and AlTiN..... 5 working days
  - TiB2 and Diamond.....10 working days

# What Separates Advanced Tool from the Competition?

## We do More than “Just Make Tools.” We:

- have our cutting tool engineers address your application objective
- ask you about the application and recommend modifications to optimize your machining results
- suggest alternative tool geometry, when appropriate
- recondition the tool in CNC equipment

## All Special End Mills:

- are manufactured on CNC Grinders
- use submicrograin carbide substrate
- are produced to exacting tolerances:

Cutting Diameter	+/- 0.001”
Shank Diameter	+0.0000”/-0.0004”
Helix Angle	+/- 0.5 degree
Radius	+/- 0.002”
Ball Nose	+/- 0.002”
TIR	Within 0.0005”



## Guaranteed Fast Response:

- Quote requests received by 2:00 pm are quoted SAME DAY
- Maximum quote response time 24 hours
- Need tools faster than we quoted? Call Us! We're here to serve you.

*Call us For Your Next Requirement  
Our Tools Make A Difference In Your Spindles*



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