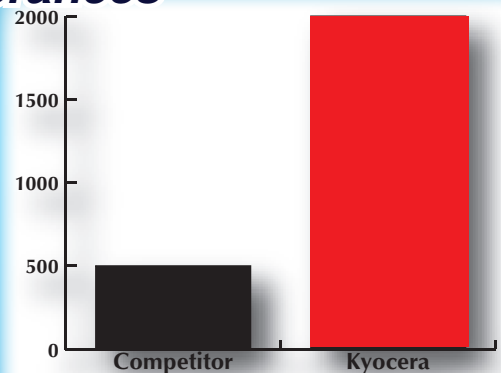


## Precision Cutting Tools For Dental Implant Manufacturers



### ***The Kyocera Advantage:***

- ***More Parts Machined Per Tool Used***
- ***Parts Machined With Tighter Tolerances***
- ***Lower Cost Per Part***



*Titanium Dental Implant Production  
Kyocera Series 98M Thread Tool vs. Competitor*

***We put the micro into your machining!™***

Corporate Headquarters  
3565 Cadillac Avenue  
Costa Mesa, CA 92626

U.S. TOLL FREE: 888.848.8449  
INTERNATIONAL: 001.714.428.3688  
[www.KyoceraMicroTools.com](http://www.KyoceraMicroTools.com)

## MEDICAL TOOL SERIES



Kyocera is pleased to introduce a line of precision cutting tools optimized for dental implant manufacturers and producers of dental restorations. Our tools designed for Dental Products Manufacturers come from a 20 year heritage of grinding the world's tightest tolerance sub micron grade carbide cutting tools.

We invite you to experience superior part quality produced by cutting tools with mirror finish cutting edges, precision tolerances, and unsurpassed quality in the industry. Our ultimate goal is to enable you to excel at making products for your marketplace.



### *Medical Manufacturers choose Kyocera for:*

- Custom Engineered Designs • Reduced Cost Per Part • Improved Part Quality • Consistent Service • Technical Support

At Kyocera, we believe choosing the right cutting tool partner is a critical component in optimizing your machining processes.

#### END MILLS

- DIA. 0.005" - 1/4"
- L.O.C. 3KD, 1.5KD, CUSTOM
- FLUTES 1-5
- CLEARANCE/REACH
- BALL/SQUARE ENDS

#### MATERIALS

PLASTICS            TITANIUM  
G.S. CERAMICS    ZIRCONIA  
STAINLESS STEEL    INCONEL

#### *END MILLS*

We build end mills with 1 to 5 flutes from 0.005" to 1/4" diameters. Cutting lengths come in standard, stub, or custom depending on your application. Special clearances and reaches are also available. Ball nose and square end styles are standard and coatings are available upon request.



# MEDICAL TOOL SERIES

## DRILLS

When making drill bits as small as 0.0015" in diameter, process specialization is developed in order to hold tolerances as tight as +/- 25 Millionths of an inch. Since not all drilling requirements push diameter limits, we also offer multiple flute lengths, extended reaches, multiple point angles, 1-3 flutes, and coating upon request.

**DRILLS**

- DIA. 0.0015" - 1/4"
- L.O.C. 0.010" - 0.800"
- FLUTES 1-3
- EXTENDED REACH
- 90,118,130 D.P.

**MATERIALS**

PLASTICS	TITANIUM
G.S. CERAMICS	ALUMINUM
STAINLESS STEEL	BRASS

**THREADING TOOLS**

- DIA. 0.65MM - 2.90MM
- M1 - M6 THREADS
- FLUTES 2,3,4
- 60 DEGREE THREAD
- STD & LONG REACH

**MATERIALS**

PLASTICS	TITANIUM
BRASS	ALUMINUM
STAINLESS STEEL	

## THREADING TOOLS

Our single form threading tool is designed for your thread milling operations and has been performance tested in Titanium. Coating and custom reach lengths are available upon request.

## BORING TOOLS

Whether you need boring or grooving or even a custom form milled internally in your part, we have the tools to get the job done. With cutting tips as small as 0.015", we can help you create tight tolerance profiles or grooves in your smallest parts.

**BORING TOOLS**

- DIA. 0.015" - 0.060"
- CENTER OR OFFSET PT
- RADIUS FOR GROOVING
- 0.030" - 0.250" NECK
- SHANK: W/FLAT OR ROUND

**MATERIALS**

PLASTICS	TITANIUM
INCONEL	ALUMINUM
STAINLESS STEEL	BRASS

**BROACHES**

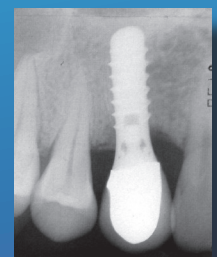
- DIA. 0.015" - 1/4"
- 5 & 6 SIDES TYPICAL
- SHANKS FROM 1 - 6 MM
- CUSTOM SHAPES
- SHANK: W/FLAT OR ROUND

**MATERIALS**

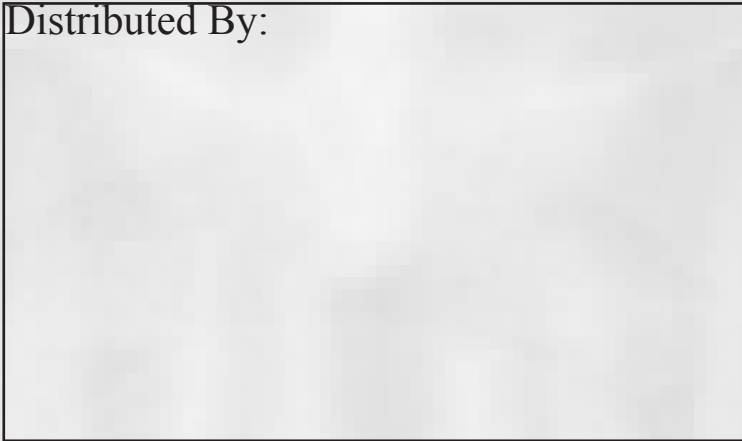
PLASTICS	TITANIUM
BRASS	ALUMINUM

## BROACHES

Our engineers will work closely with yours to create the design that your part requires. Multiple shank sizes and lengths available for your application.



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ISO 14001:2004 Certified



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