

# TUNGMEISTER

## INTERCHANGEABLE TOOL SYSTEM PROMOTION

ONE TOOL... MANY APPLICATIONS.



## OFFERS...

**BUY 4 HEADS (2 PAIRS) MIX AND MATCH ANY STYLES...**

**RECEIVE 35% OFF THE STEEL SHANK**

**BUY 10 HEADS (5 PAIRS) MIX AND MATCH ANY STYLES ...**

**RECEIVE THE STEEL SHANK FREE!!!**

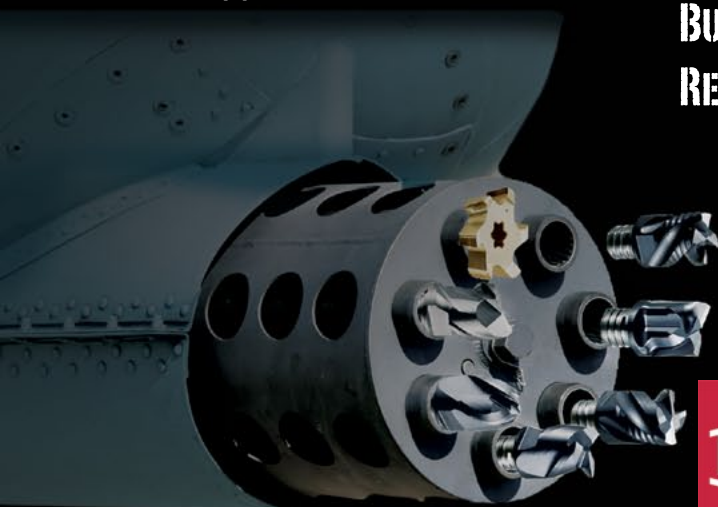
Flexible combinations, head exchange is easy and highly accurate. Tungmeister can be applied to many different types of endmill machining applications.

**BUY 4 HEADS (2 PAIRS) MIX AND MATCH ANY STYLES...**

**RECEIVE 15% OFF THE CARBIDE SHANK**

**BUY 10 HEADS (5 PAIRS) MIX AND MATCH ANY STYLES...**

**RECEIVE 35% OFF THE CARBIDE SHANK**



**Three shank types are available.**

You can choose the most suitable combination according to your machining parameters.



**MARK ORDERS WITH TG008**






[www.tungaloyamerica.com](http://www.tungaloyamerica.com)  
3726 N. Ventura Dr. Arlington Heights, IL 60004  
ph: 888-554-8394 fax: 888-554-8392

# Overview

## Head

Head	Square	Ball	Radius	Drilling (Centering drill)	Chamfering	Grooving
Appearance						

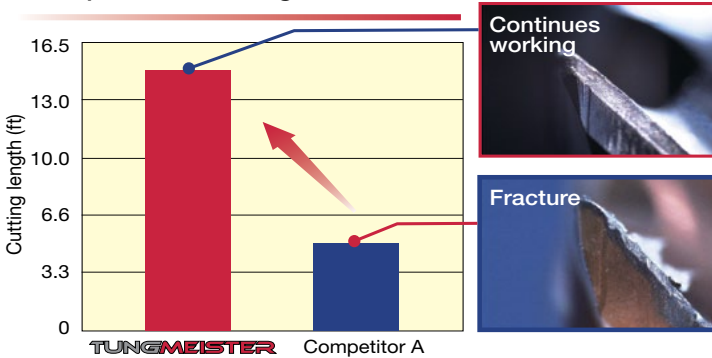
## Shank

Shank	Straight	Weldon	Straight	Straight	Adaptor for TungFlex
Neck	Straight	Straight	Taper	(Grooving)	
Appearance					
Steel	●	●	●	●	●
Carbide	●	-	●	●	-
Tungsten (with oil hole)	●	-	●	-	-

## Cutting performance

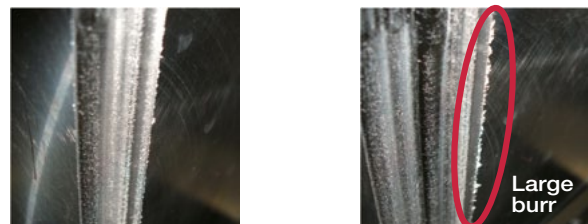
Work material: 304SS (200HB)	Grade: AH725	Machine : Horizontal M/C BT40
Head : VEE100L07.0R05-04S06 (ø10 mm, square type, 4 flutes)	Shank: VSSD10L075S06-S (Straight shank & neck, steel)	Holder : Collet chuck
		Cutting fluids: Dry

### Comparison of milling for stainless steels



Cutting speed :  $V_c = 330$  SFM · Competitor A cutting edges fractured after 1.7 minutes machining and a 38" cutting length.  
 Feed rate :  $f = .003$  ipt · The TungMeister cutting edges are still able to cut after 5 minutes of machining.  
 Depth of cut :  $a_p = 0.20$ "  
 Cutting width :  $a_e = .060$ "

### Comparison of milling surface on stainless steels



Cutting speed:  $V_c = 430$  SFM · When machining tough stainless steel the burr created by the TungMeister is minimal.  
 Feed rate :  $f = .002$  ipt However, competitor A has a large burr when working under the same conditions.  
 Depth of cut :  $a_p = 0.20$ "  
 Cutting width :  $a_e = .080$ "



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