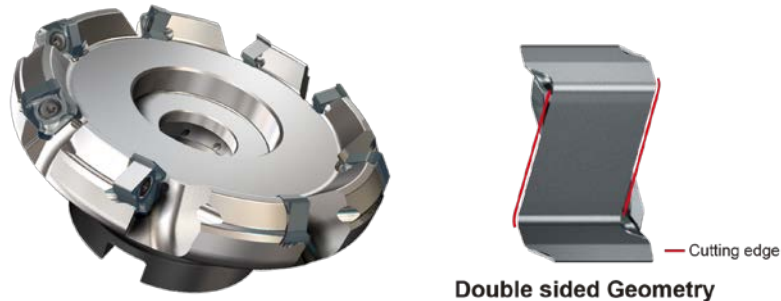


**Mitsubishi Materials is proud to announce the introduction of
the WSX445 double sided insert type face mill**

Unique Double Z Insert geometry



Technical Information:

- New double sided insert type face milling cutter with innovative cutting edge
- Features unique proprietary “Double sided, Z Geometry” insert
- Anti-Fly Insert mechanism (AFI)
- Unique conical insert pocket seating
- Designed with through coolant holes

Applications to Target:

- Aerospace, Medical, Oil & Gas and Automotive Industries
- Stainless Steel, High Temperature Alloys, Titanium Alloys, Carbon and Alloy Steels

Benefits:

- Provides low cutting resistance by utilizing features of conventional positive and negative rake inserts
- Results in a perfect balance between convenience and high efficiency
- Shims are not needed due to the high rigidity of the very thick insert
- Designed to control abnormal insert breakage and body damage
- Through coolant holes improves chip discharge and prevents chip welding

Competitors to Target:

- Sandvik R345
- Walter F4033
- Iscar S845
- Sumitomo DGC
- Tungaloy TAN