Mitsubishi Materials is constantly engaging ultra modern technologies in the research and development of cutting tools. Results of the research provide solutions for the ever increasing requirements of the energy industry.
**Work material [Ductile cast iron]**

**Drilling**
Indexable drills with precisely balanced sharpness and stability achieve high efficiency machining for drilling large components.

**Contour machining**
Indexable end mills exhibit low cutting resistance and stability machining for long overhang tool applications.

**Face milling**
Indexable milling tools with fine and extra fine pitch options reduce costs while promoting higher productivity in ductile cast iron machining.

*AHX640W*  
*TAW Drill*  
*SPX*
Drilling

Indexable drills with CVD diamond coated inserts achieve long tool life and high accuracy machining for GFRP components.

Face milling

Indexable face milling cutters with PCD inserts resist welding enabling longer tool life by preventing unexpected insert damage.
Drilling
Drill series allows excellent chip evacuation to enable efficient machining of large and deep holes.

Raceway turning
Coated CBN grade inserts effectively finish turn hardened components such as HRC50-60.

External, internal and face turning
CVD coated insert series offers excellent chip control and stability for heavy duty turning of forged components with scale.

Work material [Alloy steel]
Shaft/Connecting Ring

Work materials [Carbon steel, Alloy steel]

Drilling

Indexable drill series allows excellent chip evacuation to enable efficient machining of large and deep holes.

External and face turning

CVD coated insert series offers excellent chip control and stability for heavy duty turning of forged components with scale.

Chip breaker for heavy cutting

UE Series

Double Clamp Holder

TAW Drill

TAF Drill

05 / 06