

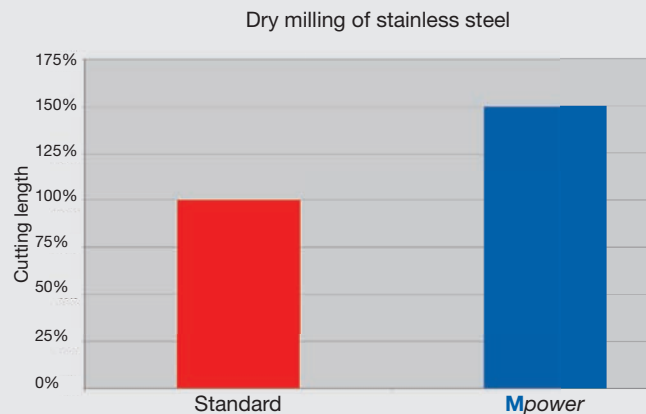
# Cutting Inserts

**System solutions with Saturn and M-A-C's (Micro Alloyed Coatings)**  
- *Mtec, Mpower, Mforce*

## System know-how:

**High performance tools made of hard metal and ceramics by:**

- Optimized preparation
- Most innovative coating technology
- Application optimized layer design
- Specific reworking



## Applications:

- Turning, milling, drilling
- HSC-, HPC-, dry-, hard-machining
- Cast materials, steel – unalloyed, alloyed, hardened and tempered, up to 65 HRC, stainless
- Titanium-, Aluminium-, Copper-alloys
- Nickel-base alloys, other high temperature materials

## The essential advantages:

- Application optimized design variance
- Mono-, multi-, nano-layer-coatings, nano-composite, gradient-coatings
- Smooth layers using most innovative ARC- and Sputter-technology
- High hot hardness and temperature stability
- High oxidation resistance and phase stability
- High chemical resistance
- Low interaction with work piece materials