

# Ceramic Tools for Cast Iron Components



Cylinder Liner



Engine Block



Brake Disc /  
Brake Drum



## Applications

- Engine Block
- Brake Disc / Brake Drum
- Transmission Case • Cylinder Liner

**Work Materials:** Gray Cast Iron / Ductile Cast Iron / CGI

# Features

## Increase in productivity

Super high cutting speeds : up to 4000 SFM

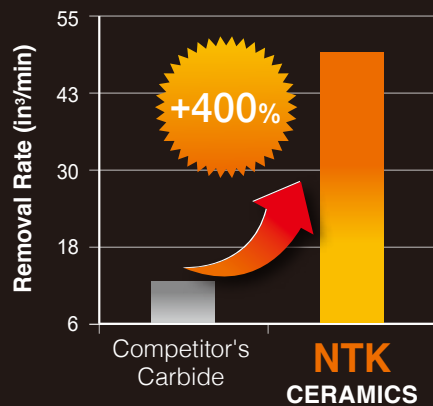
## Cost reduction

Low cost per component with excellent tool life against carbide

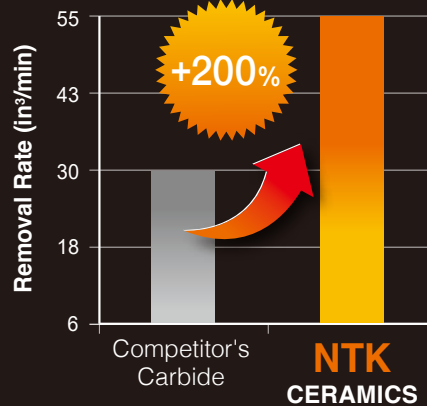


## High productivity +200% or more

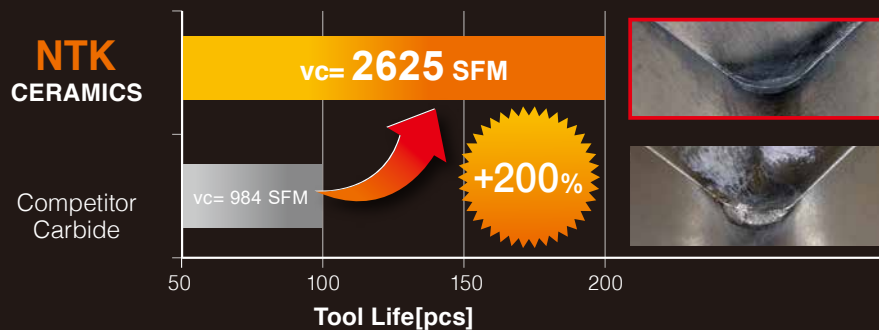
### Turning



### Milling



### Turning : Brake Disc



**YouTube**

Machining      SP9      SX6



## NTK Line up

**Insert** • Silicon Nitride ceramics: SX6 / SX9 / SP9  
Alumina ceramics: HW2 / HC1 / HC6

**Shape** • Negative / Positive / with Chipbreaker / with Wiper

**Milling cutter** •  $\phi$ 1.5 -  $\phi$ 6 inch and  $\phi$ 20 -  $\phi$ 125mm  
Standard Cutting angle: 45 / 75 / 88 / 90 degree

**Solid Ceramic End Mill** • Inch: 0.5 / .625 / .75 Metric: 12 / 16 / 20 mm

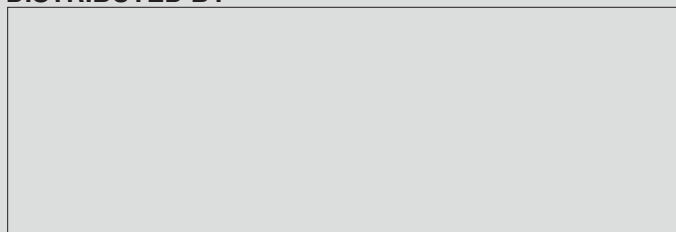


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