

Turning re-invented

Since turning was invented, many new tools and coating technologies have been introduced. But turning as a method has remained the same – until now...
Let us introduce you to a whole new way of turning – PrimeTurning™!

MAIN BENEFITS

Faster, stronger, better

2X

Double the
speed and feed

Doubling speed and feed rates enable faster metal removal for more parts per run.



Longer
lasting inserts

The small entering angle and efficient edge utilization result in longer lasting inserts.

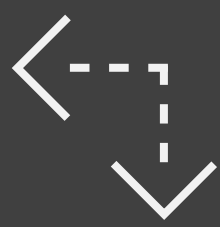
>50%

Productivity
increase

New concept, tools and code generator offers more than 50% productivity increase as compared to conventional turning.

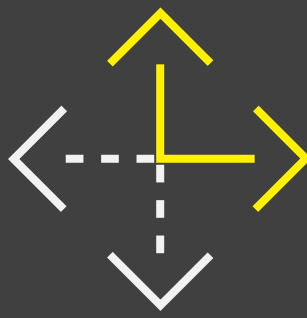
COMPARISON

Conventional vs. PrimeTurning™

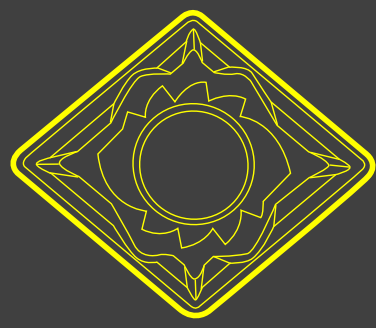


1X

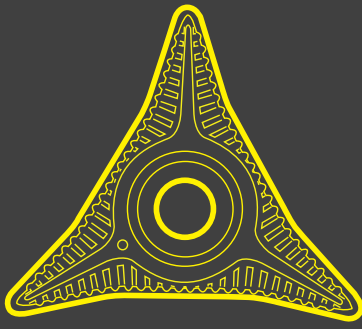
Doubling speed and feed rates enable **faster metal removal** for more parts per run.



2X



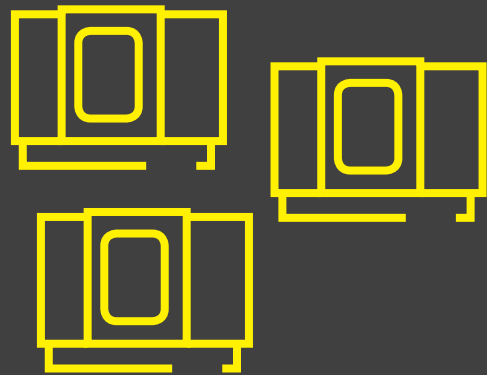
Longer lasting inserts avoid tool changes under long tool paths thus dramatically **reducing the cycle time**.



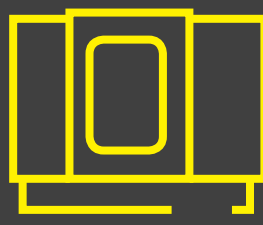
Secure maximum output with PrimeTurning code generator that supplies programming codes and techniques to set up proper parameters and variables for a particular application.



PrimeTurning offers a more than 50% productivity increase as compared to conventional turning.



Avoid machine tool investments due to shorter setup time, fewer production stops and tool changes.





Increased profitability through lower capital expenses and reduced cost per component.



SUCCESS STORY

Customer case

Material	Coolant	Operation
 HEAT RESISTENT SUPER ALLOYS	 EMULSION	ROUGHING
Competitor insert	CoroTurn® Prime B-type	
0.3 (.012)	f_n mm/r (inch/r)	0.8 (.032)
2 (.079)	a_p mm (inch)	4 (.156)
Results:		
2:42 min	Total cycle time	1:36 min
4 pcs	Tool life/edge	9 pcs

Smashing numbers that speak for themselves:



Cubic metal removal/min:

480 cm³/min



Time saving using Prime:

1 min 6 sec



Potential number of
increased output per hour:

61 pcs/hr



Average overall
productivity increase:

85%