

# TOOL PERFORMANCE REPORT

 SUCCESS  
 FAILURE

In order to serve you better, please print out this form, fill in the information completely and fax it to: 616.531.7742. We are always striving for excellence in everything we do. By filling out this form, we will continue to do everything we can to make your experience with Conical Tool as efficient and effective as possible.

Internal Sales Rep: _____	Scheduled Test Date: _____
Distributor: _____	End User: _____
Distributor Rep: _____	End User Rep: _____
Phone: _____	Phone: _____
Distributor PO #: _____	End User PO #: _____
Invoice #: _____	RGA #: _____

TOOL ENTRY METHOD <small>(CIRCLE ONLY ONE)</small>	MATERIAL REMOVAL METHOD <small>(CIRCLE ONLY ONE)</small>	MILLING CONDITIONS <small>(CIRCLE ALL THAT APPLY)</small>
 Pre-Drilling  Plunging  Helical Interpolation  Ramping  Straight Entry  Side Entry / Roll In	 Slotting  Light Roughing  Heavy Roughing  Finishing  Contouring  Pocketing	 Conventional Milling  Climb Milling  Chamfering/Profiling  Ramping  Plunging

TOOL INFORMATION	
OUR TOOL	COMPETITOR
End Mill Manufacturer / Brand of Tool: _____	_____
Style of Tool & EDP #: _____	_____
Tool Cost: _____	_____
Tool Coating: _____	_____
Tool Diameter (D): _____	_____
Number of Flutes (Z): _____	_____
Helix Angle: _____	_____
Length of Cut (LOC): _____	_____
Neck Length (LBS): _____	_____
Projection Length (From Holder): _____	_____
Corner Radius: _____	_____
Shank Flat: _____	_____

PROGRAMMING INFORMATION	
OUR TOOL	COMPETITOR
Surface Feet / Minute (SFM): _____	_____
Revolutions Per Minute (RPM) ((SFM x 3.82) / D): _____	_____
Chip Load Per Tooth (CLPT): _____	_____
Inches Per Minute (IPM) (RPM x CLPT x Z): _____	_____
Axial Depth of Cut (ADOC): _____	_____
Radial Depth of Cut (RDOC): _____	_____
Metal Removal Rate (CIM) (RDOC x ADOC x IPM): _____	_____

OBSERVED PERFORMANCE RESULTS	
OUR TOOL	COMPETITOR
(L1) Number of Parts Annually: _____	_____
(L2) Number of Parts Per Tool: _____	_____
(L3) Number of Inches Per Tool: _____	_____
(L4) Number of Minutes Per Tool: _____	_____
(L5) Number of Minutes to Change Tool: _____	_____
(L6) Cycle-Time Per Part (Minutes): _____	_____
Surface Finish (Ra): _____	_____

CALCULATED PERFORMANCE SUMMARY		PERFORMANCE REQUIREMENTS		
OUR TOOL	COMPETITOR	REQUIRED	IMPROVEMENT	VS COMPETITOR
(L7) New Tools Required to Complete Lot (L1 / L2): _____	_____			
(L8) Total Hours of Machine Time ((L6 / 60) x L1): _____	_____			
(L9) Total Hours of Tool Change Time ((L7 / 60) x L5): _____	_____			
(L10) Cost / Part - Tooling (Tool Cost / L2): _____	_____			
(L11) Cost / Part - Tool Changes ((L9 * Machine Cost) / L1): _____	_____			
(L12) Cost / Part - Machine Time: _____	_____			
(L13) Total Cost / Part (L10 + L11 + L12): _____	_____			
(L14) Total Cost - Tooling (L7 x Tool Cost): _____	_____			
(L15) Total Cost - Tool Change: _____	_____			
(L16) Total Cost - Machine Time: _____	_____			
Total Cost / Lot: _____	_____			
		Total New Tools Required Saved Annually: _____		
		Total Machine Time Saved Annually: _____		
		Total Hours of Tool Change Saved Annually: _____		
		Total Cost Per Part Saved: _____		
		Total Annual Tooling Cost Savings: _____		
		Total Annual Tool Change Cost Savings: _____		
		Total Annual Machine Time Cost Savings: _____		
		<b>TOTAL ANNUAL COST SAVINGS:</b> _____		