VALUE ANALYSIS FOR COMPETITIVE TOOLING

MATERIAL INFORMATION: HIGH PRESSURE LAMINATED CHIPCORE 1.25" X 30" X 60" DESK TOPS.

Tool Cost / Job	243.20	\$ / job	93.00	\$ / job
Regrinds / Job	3	Regrinds / Job	8	Regrinds / Job
New Tools / Job	2	Now Tools / Job	3	New Tools / Job
TOOLING COSTS *				
		•		•
Machine Cost / Job	258.33	\$ / job	766.67	\$ / job
Machine Time / Job	155	minutes / job	460	minutes / job
Cutting Time / Job	150	minutes / job	450	minutes / job
MACHINE TIME COSTS				
1001 Change Tillle / 300	5	minutes / job	10	minutes / jub
Tool Change Time / Job	5	minutes / job	10	minutes / job
Tool Change Time	5	minutes	5	minutes
Tool Changes / Job	1	tool changes / job	2	tool changes / job
TOOL CHANGE CYCLES				
Parts produced / tool	348	parts / tool	244	parts / tool
# of regrinds available / tool	2	regrinds	4	regrinds
Avg Parts / regrind edge	109	parts	47	parts
Avg Parts / new edge	130	parts	56	parts
TOOL LIFE				
		•		-
Time / Part	0.3	minutes / part	0.9	minutes / part
Feed Rate	600	inches / minute	200	inches / minute
Cut Inches Part	180	total inches / part	180	total inches / part
Depth Cuts Part	1	depth cuts / part	1	depth cuts / part
Perimeter Inches Part	180	inches / part	180	inches / part
PART CYCLE TIME				
Regima i noc	24.00	Ψ	0.00	Ψ
Regrind Price	24.50	\$	6.00	\$
Initial Tool Price	84.85	\$ / minute \$	1.07	\$ / !!!!!!!!!!
Machine Costs / minute	1.67	\$ / minute	1.67	\$ / minute
COSTS Machine Costs / hour	100	\$ / hour	100	\$ / hour
TOTAL PARTS FOR JOB	500 PCS		500 PCS	
Router Type: Cut Direction:	Conventional		CNC Conventional	
		CNC	Ch	ıc
MACHINING INFORMATION:		I	2	<u> </u>
Flutes:	1/2 x 1-3/6		1/2 x 1-1/2 2	
CED x CEL:	1/2" x 1-3/8"		1/2" x 1-1/2"	
Tool Part Number: Tool Description:	SC DE Compression		CT DE Straight	
IOOI Part KIIIMhar.	60-170		Competitive	
CUTTER INFORMATION:				

^{*} NOTE: Calculations assume no residual tool life after job is complete (i.e. cutter is discarded even if it has life left on it's new or re-ground edge).