

QTI Prototype



QTI Manufacturing

FREE - Cost Reduction Analysis

Design For Manufacturability

Client Company: XYZ MEDICAL

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Project: Enclosure, Dwg# 8456162

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Reference: W64321

Resources Utilized:

<input type="checkbox"/> Flat Fabrication	<input checked="" type="checkbox"/> Timesave	<input checked="" type="checkbox"/> Assembly	<input checked="" type="checkbox"/> Inspection (tolerancing)
<input checked="" type="checkbox"/> Laser	<input type="checkbox"/> Tumble / Deburr	<input checked="" type="checkbox"/> Hardware	<input checked="" type="checkbox"/> Materials
<input checked="" type="checkbox"/> Turret	<input type="checkbox"/> Lamination	<input type="checkbox"/> Part Mark	<input checked="" type="checkbox"/> Shear (material utilization)
<input checked="" type="checkbox"/> Forming	<input type="checkbox"/> Fixturing	<input checked="" type="checkbox"/> Plating	
<input type="checkbox"/> Milling	<input checked="" type="checkbox"/> Drilling / Tapping	<input checked="" type="checkbox"/> Painting	
<input type="checkbox"/> Turning	<input type="checkbox"/> EDM	<input checked="" type="checkbox"/> Silkscreen	
<input type="checkbox"/> Punch Press	<input type="checkbox"/> Welding	<input type="checkbox"/> Packaging	

Opportunities:

	Department	Benefit
Convert multiple form (sheet 2 of 4 zone C-2) to two pc. (spotwelded)	Forming / Welding	Cost Reduction
CONVERT FROM POSTPLATED TO PREPLATED MATERIAL		COST / APPEARANCE
0.125 ± .010" form to form dimension		
opened up to ± .015" would eliminate 2nd op.	Insp.	\$ Reduction
Use of Standard Latch #123 vs. Special	ASSY.	Cost
Purchase pln 456.		
Use of powder coating instead of liquid paint would result in higher texture and durability.		
Note: Redlined print attached for items #1 + 3		