

Date:			
Name:	Tel:		
Title:	Fax	•	
Company:	E-M	[ail:	
Products:			
Brief description of inspection task:  Type, size, location of flaws (fails) to	be detected:		
Permissible variations: (are there other features that are not defects but could be	mistaken as defects, are there instance	es of similar variation that are not defe	ctive)
Acceptable tolerance in part variatio (this means the built- in manufacturing tolerance and variation)		in dimension by +/005")	
Expected tolerance (accuracy) of visi (this means the tolerance expected of the vision system -		-/001" accuracy in order to accommod	late the manufacturing tolerance
What is the field of view for inspection (This is the minimum dimension of the part or section of the		lude any range in part location if parts n	ot in the same place every time)
Application currently being done: *What vision product:	<b>Manually</b>	□Not at all	☐ Vision*
Inspection rate: Parts per	<b>□</b> Second	<b>☐</b> Minute	Hour
Parts moving $\square$ or stable $\square$ during	inspection? Parts in san	ne location 🗌 same orien	tation  each time?
Describe part fixturing, conveyance a (What mechanism conveys them, is the speed constant, are	-		
Describe part spacing: (Are the parts evenly spaced ,if not, will they ever touch on	ne another)		
Describe the background (available so (Is there room for a backlight if needed, will bright reflection)			
Distance from part to camera: Know	n Minimum Know	n Maximum	
Any other (mounting) space limitation (for lights, cameras, cable runs, shrouds, enclosures)	ons?		
Describe input to camera to start ins	pection:		
Describe ambient lighting: (What type of light is it and how high is it mounted. Are the	here any windows or skylights in the vio	cinity.)	

## **Application Profile Form**



## How will inspection results be used (output from system):

<b>n</b>		• .	
Kei	lect.	crit	teria:

(reject on presence, absence, out of tolerance, off color, etc. Also, if multiple inspection points, reject on first occurrence of defect or only after all points inspected)

## What is the reject mechanism?

(Does it exist already, what type of output signal does it need)

Platform:	$\square$ NT	<b>□Win 95,98</b>	□Unix	□Mac
Lines to automate:	□ 1	<b>2-5</b>	<b>6-10</b>	□ 11+
Plan to buy:	☐ Now	☐ 1-3 months	6 months	☐ 1 year
<b>Budget approved:</b>	☐ Yes	□ No	Amount:	
What is the justification f (ie – need for 100% inspection, the system)			reduce product return, reduce re	eworks, increase throughput, etc.)
Sample parts available: ( typically both good and defective samp	les) <b>Yes</b>	□No		
Are drawings, sketches, v (digital pictures of the parts, inspection				accommodate and email to Newton Labs.)
Notes:				
Misc				
Do you wish to have the is view?	mages with de	efects highlighted and	displayed on a mon	itor for the floor operator to
<b>Do you wish/need to have</b> (typically a lap top is used for se				

## Do you wish to have operator access to the software limited or password protected?

(A designated set up person will have full access to all software – this is usually a different person than the operator of the system)