Cutting Sample List manual

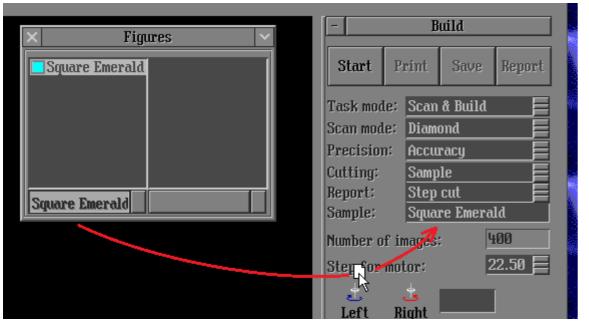
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1. Introduction

This is manual about Cutting Sample List model building method improvements. Document tell you how to use improvement. Create groups samples and etc.

In previews version of programs Sample model building method requires to much steps to be applied:

- Load model from file
- Open "Figures" panel
- Select required figure
- Drag-and-drop figure to "Sample" field on "Scan Polished diamond" panel
- Repeat procedure every time map new shape



With Cutting Sample List feature you can save time working with sample cutting model building method:

- Create or own cutting sample list
- Divide it to groups
- In two click select needed sample

- Build	
Start Print Save Report	
Task mode: Scan & Build 📃	
Scan mode: Diamond	
Precision: Accuracy	
Cutting: Sample	
Report: Step cut	
Sample: Square Emerald	Square Emerald
Number of images: 400	em-4sh_final
	Square 054
Step for motor: 22.50	Princess New
ت ٹ	Emerald thing
Left Right	Cushion Special
	RBC 089
Photo Camera Image	Select cutting sample
+ Movie	Import cutting sample list
+ Process	Open cutting sample panel
+ Model	Load diamond sample from file
+ Parameters	

2. Requirements

In order to use Cutting Sample List feature you will need following:

- HeliumPolish.exe version 5.6.39.1 or higher
 HASP key with HP Pacor features enabled

Recommended to use following libraries with HeliumPolish.exe:

- BriRecon.dll 1.0.11.1 or higherReport.dll 2.4.18.1 or higher

3. Restrictions

• New sample building feature work with .asc .gem .dmc files only.

If you need to use models stored in .dll , please use DiamCalc to convert them to .dmc or .asc.

4. Instruction

4.1 How to create new groups

1. Click on ">" button on "Scan polished diamond" panel:

					\sim
		B	uild		
Start	t Print		Save	Rep	ort
Task mod	le:	Scan	& Build		E
Scan mod	le:	Diamo	ond		
Precision	Precision: Accuracy				
Cutting: Brilliant					
Report:					
Sample: >				\rightarrow	
Number o	f ir	nages	:	400	
Step for	mot	ior:		22.50	
t de la constante de la consta		t.			
Left	Ri	ight			
B	×	¥(\odot		
Photo	Ca	mera	Image		

2. Select "Open cutting sample panel" option from drop-down menu:



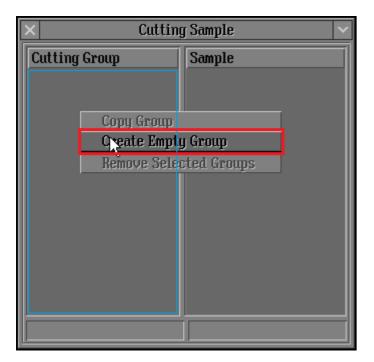
3. Click on "Cancel" button to create new cutting sample list or select list saved before:

× Import Cutting Sample List	~
Folder D:\YAlexandrov\HP Pacor\HP_5.6.3	0.1 🗈 🔛
🗀 Cuttings	Ī
😑 PriceList	
🚞 Report	
📄 Report_orig	
😑 stl_txt	
📄 System	
Samples2.ccf	
File name	OK
File type Cutting sample list files (*.ccf)	Cancel

4. Click on "x" button and select "Switch to administrative mode" option:

1	X	Cuttin	y Sample	\mathbf{v}
		mport cutting sample		
	E	xport cutting sample	e list	
	S	witch to administrat	ive mode	
	S	witch to normal mode	2	
		lose		
	1	linimize		
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5. Right-click on Cutting Group area (marked with blue frame) and select "Create Empty Group" option from drop-down menu:



6. New empty group named "Group" is created. Click on marked with blue frame area and edit group name:

× Cutting	y Sample 🛛 🗸 🗸
Cutting Group Group	Sample
Group_My_New	

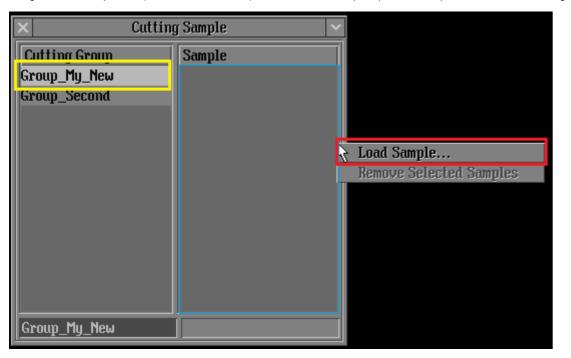
7. Press "Enter" button after editing:

×	Cutting	r Sample 🛛 🗸 🗸
Cutting Gro	ար	Sample
Group_My_N	lew	
Group_My_1	lew L	
1		· · · · · · · · · · · · · · · · · · ·

8. Repeat steps 4.1.5-4.1.7 until all needed groups are created. Create at least two groups doing that instruction.

4.2 How to import new cutting samples to a list

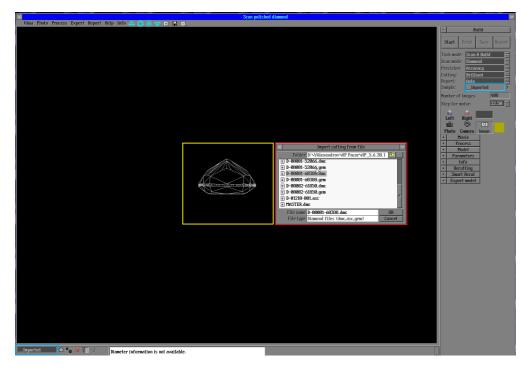
1. Right-click on Sample area (marked with blue frame) and select "Load Sample" option from drop-down menu. File browsing is the same as in 4.2.2 step:



Please pay attention that:

- Sample will be added into highlighted (selected) group (yellow frame). In this example "Group_My_New".
 "Administrative" mode is needed to add cutting samples.

2. In "Import cutting from file" window (red frame) your can select file for import. Pay attention that model from highlighted with grey file is pre-shown on "Scan polished diamond" panel (yellow frame). And name for import cutting model is "__Imported" (bottom blue frame) or copied from file name for asc files:



3. New cutting sample is added. Click on marked with blue frame area and edit it name:

× Cutting Sample ×			
Cutting Group	Sample		
Group_My_New	Square Emerald		
Group_Second	em-4sh_final		
Step cut	Imported		
Group_My_New	Just_added_cut		

4. Press "Enter" button after editing:

× Cutting	y Sample 🛛 🗸
Cutting Group Group_My_New Group_Second	Sample Square Emerald em-4sh_final
Step cut	Just_added_cut
Group_My_New	Just_added_cut

4.3 How to switch between groups

1. Pressing ">" button with your cutting sample list customized will show list of cuttings included into selected group (yellow frame). Selected cutting is highlighted with green:

Square Er	nerald (5	Square Emerald	
-	400	4	em-4sh_final	
nages:			 Select cutting sample 	
lor:	22.50		Import cutting sample list	
			Open cutting sample panel	
ight			Load diamond sample from file	

2. To switch groups you point mouse cursor on "Select cutting sample" option and click on group needed. Or point on groups and click on cutting sample needed, in that case group will be automatically switched to group contained selected cutting sample:

Square Emerald >	Square Emer	ald	
marres' 400	em-4sh_fina	al	
🕨 🕨 Group Ny New	Select cutting	ng sample	
t 🕨 Group_Second		ng sample list	i
🜔 Step cut	Step_cut	sample panel	l
ight	1	l sample from	n file
r 🖸 🔁	2	11. 11	
mera Image	3		
лie	4		
ess	5		
lel	б		
eters	7		
îo	8		
ting	9		
Recut	10 🔨		
model	11	Cuttin	g Sample
	12	ութ	Sample
	13	Yew	Square Eme
	14	Ind	em-4sh_fi
	15	ma	
	16		
	17		
	18		
	19		
	20		

On picture above:

- Current selected group "Group_My_New" is highlighted with green
 When "9" sample cutting is selected, active group will be changed to "Step Cut"

3. You can use Cutting Sample panel to switch between groups, just selecting group in panel list, active group is highlighted:

× Cutting	y Sample
Cutting Group	Sample
Group_My_New	Pear
Group_Second	
Step cut 🗟	
Group_Second	

4.4 Exporting\saving or loading cutting sample list

1. Supposed that at this instruction step all needed actions are done, so switch off administrative mode on Cutting Sample panel:

\mathbf{X}	Cutting Sample	\sim
	Import cutting sample list	٦
]	Export cutting sample list	
	Switch to administrative mode	
	Switc <mark>h</mark> to normal mode	
	Close	
	Minimize	
Gr	oup_Second	

2. In order to save your cutting sample list click on "x" button and select "Export cutting sample list" option:

🗙) Cutting Sample 🗸 🗸			
Import cutting sample list			
Export cutting sample list			
Switch to administrative mode			
Switc <mark>h</mark> to normal mode			
Close			
Minimize	I II		
Group_Second			

3. In order to load your cutting sample list click on "x" button and select "Import cutting sample list" option:

X) Cutting	rSample	~	
Import cutting sample list			
Export cutting sample list			
Switch to administrative mode			
Switch to normal mode			
Close			
Minimize			
Group_Second			

or click on ">" button on "Scan Polished diamond" panel and select "Import cutting sample list" option:

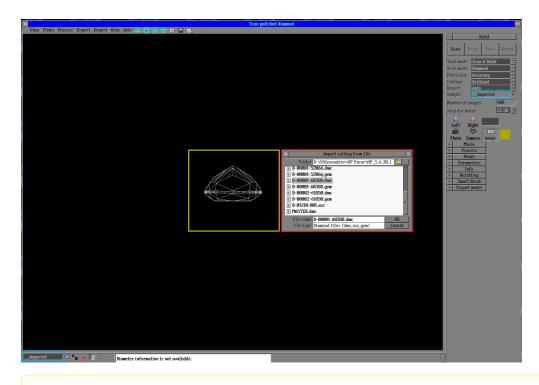
Sample: Square E	merald >	Pear
Number of images:	400	 Select cutting sample
Step for motor:	22.50 E	Import cutting sample list 📐
	22.00	Open cutting sample panel
ٹ ٹ		Load diamond sample from file
Left Right —		

4.5 How to import single cutting samples from a file:

1. Cutting samples can be imported by clicking on ">" button and selecting "Load diamond sample from file" option:



2. In "Import cutting from file" window (red frame) your can select file for import. Pay attention that model from highlighted with grey file is pre-shown on "Scan polished diamond" panel (yellow frame). And name for import cutting model is "__Imported" (blue frames) or copied from file name for asc files. That name can be editing by clicking bottom blue frame (picture is clickable for bigger size):



A Please pay attention that secondary import from file will remove from HP Pacor first imported model.

4.6 How to setup cutting sample list loading on HP Pacor start up

1. Create your own cutting sample list according to steps above and save it to "Cutting_Samples.ccf" file and close HP Pacor program

2. Copy "Cutting_Samples.ccf" file to root directory of HP Pacor program

3. Add to HeliumBat.ini following string:

LoadCuttingSamples Cutting_Samples.ccf

5. Notes

- Please if you meet any issues or mistakes in that manual please send e-mail to developer.Do not delete model of cutting sample from model list. It could damage the program.