

CutUp Machine-It, for KitCAD

Written by Jason Robinson

First Edition; Minimised, 2016,
Second Edition; Third Edition , 2017
CutUp Machine-It, for KitCAD
cutup.html (Online)
Written by Jason Robinson
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The CutUp Machine-It for KitCAD computer software application, now cutup.html, has been formatted to comply with JavaScript and HTML; And should work in any modern Web Browser of the time period.

The main purpose of the web page titled “CutUp Machine-It, for KitCAD” is to allow end-users to easily combine accessed information and recalculate result sizes before placing the computed result values into a end-user supplied format.

Within the web page exists two smaller application interfaces which are named “Machine-It” and “VolEditor”. These smaller application interfaces access HTML5 Local Storage as required for input and output. Standalone versions of each interface exists to assist with spreading 'included example data' upon a wider network of computers – introducing sharing and other forms of communication between applications if desired/required.

Upon calculating a result with “CutUp Machine-It, for KitCAD” the page can be printed to a suitable printing device presetting/configuration to generate a specified file format type which can then be sent to the machine environment for further processing.

The following is a summary of JavaScript commands/values that may be adjusted/alterd to change processing:

Global, libsysi3 part real size values

cutup_machineit_libsysW
cutup_machineit_libsysD
cutup_machineit_libsysH
cutup_machineit_libsysHF
cutup_machineit_libsysCC
cutup_machineit_libsysCO

Global, Final output

cutup_machineit_kpsmeprocessed
cutup_machineit_kpsmeprocessed_count
cutup_machineit_kpsmeprocessed_negcount
cutup_machineit_kpsmeprocessed_delcount
cutup_machineit_kpsmeprocessed_count_start
cutup_machineit_kpsmeprocessed_negcount_start

Max amount of Object Items from KitCAD i3 KGC r3, r5, rX - default is 50
KGCRPCLAJAX

Like grep, but is filter

cutup_machineit_filter_data
cutup_machineit_filter_enable
cutup_machineit_voleditor_filter_cnc
cutup_machineit_voleditor_filter_cnc_tagging
cutup_machineit_filter_rotation_reset

Global rips and docs override for ALL processed object items and vol records, default is false

cutup_machineit_filter_enable_ripsonall
cutup_machineit_filter_enable_docsonall
cutup_machineit_filter_disable_ripsonall
cutup_machineit_filter_disable_docsonall
cutup_machineit_filter_disable_90onall

Repeat lines, quicken default is false, normal default is true; uncomment if required

cutup_machineit_repeater_quicken
cutup_machineit_repeater_normal

.vol file record checking when end-user interface value onchange, default is true

cutup_machineit_record_nochange_check

.vol file name

cutup_machineit_volfiletoget

.vol file limit, default 65536

cutup_machineit_voleditor_search_limit

.vol search limit insurance error checking, default is true

cutup_machineit_voleditor_error_check

.vol display total calculated or value swap marking, default is true

cutup_machineit_voleditor_value_adding_display

KPX defaults, default is empty string

cufile_defaults

Allows quicken 1.10 mode, default is true; uncomment if required

cutup_machineit_quicken_kp2size

Allows math debug, to use uncomment line below, default is non-empty string; uncomment if required

cutup_machineit_debugmath_string

Cleanup final output and remove - symbols

cutup_machineit_maths_removenegatives

cutup_machineit_kpsmeprocessed_negcount

Rechecks volume file on html interface, default is true, legacy support

cutup_machineit_html4_support

Remove 0y or 0x lines from output - 565

cutup_machineit_maths_check

Non-strict search of commands - default is false

cutup_machineit_command_test

Line returns between kpm, kpm and kpe, default is string of "\r\n"

cutup_machineit_text_line_return

Cutup MachineIt VolEditor no-case matching of filenames, default is false; will run base infill.vol 100w into door.vol
maths when set to true

cutup_machineit_voleditor_strict_case_match

Show javascript:history.forward() link, default is false, uncomment if required

cutup_kitcad_nav_forward_span_show

Printer print out

cutup_machineit_rX_print_output

cutup_machineit_printer_output_br

cutup_machineit_printer_output_start

cutup_machineit_printer_output_end

guiclient kp2 out, default is true

cutup_machineit_guiclient_kp2_output

guiclient filter out, default is true

cutup_machineit_guiclient_filter_output

The minimised 2017 version is as follows, entire page; cutup.html :

```
<!DOCTYPE html><html DIR="ltr">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" >
<meta name='viewport' id='viewport' content='width=device-width, initial-scale=1.0'>
<meta name="format-detection" content="telephone=no">
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=Edge">
  <meta name="AUTHOR" content="Jason Robinson" >
<meta name="COPYRIGHT" content="2011-2016-2017" >
<meta name="ROBOTS" content="NOINDEX,NOFOLLOW" >
<meta name="Revisit after" content="356 days" >
<meta name="apple-mobile-web-app-capable" content="yes"><meta name="apple-touch-fullscreen"
content="no">
<title>Cutup Machine-It, for KitCAD</title>
<meta name="application-name" content="CutUp Machine-It, for KitCAD"><meta name="application-url"
content="http://www.kitchenpages.com/library/i3/rX_/cutup.html"><!--[if gte IE 9]><meta
name="msapplication-tap-highlight" content="no"><!--><meta name="msapplication-tooltip"
content="CutUp Machine-It, for KitCAD"><meta name="msapplication-starturl"
content="http://www.kitchenpages.com/library/i3/rX_/cutup.html"><meta name="msapplication-window"
content="width=800;height=600"><meta name="msapplication-TileImage" content="./cu144.png"><meta
name="msapplication-TileColor" content="#ffffff"><meta name="msapplication-task"
content="name=KitCAD Dev Blog;action-uri=http://www.kitchenpages.com/dev;/icon-
uri=http://www.kitchenpages.com/favicon.ico"><!--<![endif]-->
<link href="./cuicon.ico" rel="icon" type="image/x-icon"><link href="./cuicon.ico" rel="SHORTCUT
ICON"><link href="./cu57.png" rel="apple-touch-icon"><link href="./cu76.png" sizes="76x76"
rel="apple-touch-icon"><link href="./cu120.png" sizes="120x120" rel="apple-touch-icon"><link
href="./cu152.png" sizes="152x152" rel="apple-touch-icon">
<script type="text/javascript">/*[[CDATA*/

var parent_opener = parent.opener;var isrXrunning = false; var isrXrunning5 = false; var
isrXrunning3 = false;

/*default is parent.opener however if window.parent exists then use it, test with minimum of r3*/
function cutup_machineit_rX_version_test(){ var parent_openerx=false;
try{if(window.parent.opener.r3){parent_openerx = window.parent.opener;}}catch(e){}
try{if(window.parent.r3){parent_openerx = window.parent;}}catch(e){}
try{if(window.top.opener.r3){parent_openerx = window.top.opener;}}catch(e){}
try{if(window.top.r3){parent_openerx = window.top;}}catch(e){}
try{if(parent.opener.r3){parent_openerx = parent.opener;}}catch(e){}
try{if(parent.openerx){ parent_opener=parent_openerx;}}catch(e){}
try{isrXrunning = parent_opener.rX;}catch(e){}
try{isrXrunning5 = parent_opener.r5;}catch(e){}
try{isrXrunning3 = parent_opener.r3;}catch(e){}
try{if(isrXrunning_disable==true)
{isrXrunning=false;isrXrunning5=false;isrXrunning3=false;parent_opener=null;}}catch(e){}
cutup_machineit_rX_version_test();

/* remove nav for chromebrowser modified dcef */
function chromebrowser_hidenav () {try{ if((ChromeBrowser=='||ChromeBrowser==false||
ChromeBrowser=='undefined') &&(parent_opener.ChromeBrowser=='||parent_opener.ChromeBrowser==false||
parent_opener.ChromeBrowser=='undefined'))
{ document.getElementById('cutup_kitcad_nav_back_span').style="display:block;visibility:visible;";do
cument.getElementById('cutup_kitcad_nav_back_span').style.display="block";document.getElementById('c
utup_kitcad_nav_back_span').style.visibility="visible";if(cutup_kitcad_nav_forward_span_show==true)
{document.getElementById('cutup_kitcad_nav_forward_span').style="display:block;visibility:visible;";
document.getElementById('cutup_kitcad_nav_forward_span').style.display="block";document.getElementBy
Id('cutup_kitcad_nav_forward_span').style.visibility="visible";}
else{ document.getElementById('cutup_kitcad_nav_back_span').style="display:none;visibility:hidden;";
document.getElementById('cutup_kitcad_nav_back_span').style.display="none";document.getElementById('
cutup_kitcad_nav_back_span').style.visibility="hidden";document.getElementById('cutup_kitcad_nav_for
ward_span').style="display:none;visibility:hidden;";document.getElementById('cutup_kitcad_nav_forwar
d_span').style.display="none";document.getElementById('cutup_kitcad_nav_forward_span').style.visibil
ity="hidden";}}catch(e){}
try{ setTimeout('chromebrowser_hidenav()',6666); }catch(e){}

/* From help page of Share, Modified Load i3 LibSys from email address */
function getlibrary () { var dflnv = document.forms['login'].Name.value;
if(dflnv.indexOf("@")!=-1 && dflnv.indexOf(".")!=-1 && dflnv!=null){
var puser = dflnv.replace(/[@.:;_+=+~\\\/"']/gi, "");
var uids = Array("-", "
", "a", "b", "c", "d", "e", "f", "g", "h", "i", "j", "k", "l", "m", "n", "o", "p", "q", "r", "s", "t", "u", "v", "w", "x", "y
", "z");
var uidn = Array("", "", 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,0);
var uidh = Array("", "", 1,2,3,4,5,6,7,8,9,0,1);
```

```

var uida = Array("", "", "aa", "ab", "ac", "ad", "ae", "af", "ag", "ah", "ai", "aj", "aa");
for(var b=1;b<uidh.length;b++){
for(var g=1;g<=puser.length;g++){ puser = puser.toLowerCase().replace(uidh[b],uida[b]); }
}
for(var d=1;d<uids.length;d++){
for(var e=1;e<=puser.length;e++){ puser = puser.toLowerCase().replace(uids[d],uidn[d]); }
}
if(puser==''){puser='81519201192038514161751931513';}
document.location.href="cutup.html?s=" + puser;
try{ document.forms['login'].Name.value = ""; }catch(e){}
}else{try{ document.location.href="cutup.html?s=81519201192038514161751931513"; }catch(e){}}
}

/* Load i3 LibSys if email was submitted */
function bootlibrary () {try{var dlhref = document.location.href; if(dlhref.indexOf['?s=']!=-1||
dlhref.indexOf['&s=']!=-1){ dlhref = dlhref.split('s=')[1]; if(dlhref.indexOf['&']!=-1){dlhref =
dlhref.split('&')[0];}}
if (dlhref!=''&dlhref.length!=0){document.writeln('<sc'+ript type="text/javascript"
id="i3libsyskpx" src=".."+'dlhref+'.js"><'+/sc'+ript>');}}catch(e){}}
bootlibrary();

/* Cutup.exe MachineIt KitCAD interface loader */
function cutup_machineit_kitcad boot(){ /*line below moved here to set display and remove unwanted
cutup_machineit_scripts from view*/
try{ setTimeout('cutup_voleditor_reset()',10); }catch(e){}
/*get localstorage into html*/
try{ document.getElementById('cutup_voleditor_files').value =
localStorage.getItem("kitchenpages_voldata"); }catch(e){}
try{ document.getElementById('cutup_voleditor_cnc_files').value =
localStorage.getItem("kitchenpages_cncdata"); }catch(e){}
try{ document.getElementById('cutup_machineit_kps_file').value =
localStorage.getItem("kitchenpages_kpsdata"); }catch(e){}
try{ document.getElementById('cutup_machineit_kpm_file').value =
localStorage.getItem("kitchenpages_kpdata"); }catch(e){}
try{ document.getElementById('cutup_machineit_kpe_file').value =
localStorage.getItem("kitchenpages_kpdata"); }catch(e){}
/*init the voleditor nvfl array*/
try{ setTimeout('cutup_voleditor_selectvol()',1000); }catch(e){}}
try{setTimeout('cutup_machineit_kitcad_boot()',1000);}catch(e){}

/* Cutup.exe MachineIt KitCAD kp2 file interface checker */
function cutup_machineit_kp2_load_button_status(){try{ var cutup_machineit_kp2_file_value =
document.getElementById('cutup_machineit_kp2_file').value; if(cutup_machineit_kp2_file_value!='' &&
cutup_machineit_kp2_file_value.indexOf(' [KitCAD2]')!=-1){
try{if(cutup_machineit_guiclient_kp2_output==true)
{document.getElementById('cutup_machineit_rX_kp2_output').innerHTML='<text'+area name="data"
id="content" rows="40" cols="80">' + cutup_machineit_kp2_file_value + "\r\n" +
'</text'+area>';}}catch(e){}

document.getElementById('cutup_machineit_kp2_load_button').style="display:block;visibility:visible;"
;document.getElementById('cutup_machineit_kp2_load_button').style.display="block";document.getElemen
tById('cutup_machineit_kp2_load_button').style.visibility="visible";}}catch(e){}
try{ setTimeout('cutup_machineit_kp2_load_button_status()',1000); }catch(e){}}
try{setTimeout('cutup_machineit_kp2_load_button_status()',3000);}catch(e){}

/* Cutup.exe MachineIt VolEditor.exe service interface for Cutup_VolEditor */
function cutup_voleditor_resetvalue(showdiv,theval)
{try{ showdiv='cutup_voleditor_record_'+showdiv;document.getElementById(showdiv).value=theval;}catch
(e){}}
var cutup_voleditor_record_count = 0; function cutup_voleditor_reset()
{cutup_voleditor_resetvalue('tag','');cutup_voleditor_resetvalue('material','');cutup_voleditor_rese
tvalue('cost','');cutup_voleditor_resetvalue('edge','');cutup_voleditor_resetvalue('x','');cutup_vol
editor_resetvalue('xwidth','');cutup_voleditor_resetvalue('xdepth','');cutup_voleditor_resetvalue('x
height','');cutup_voleditor_resetvalue('xheightfrom','');cutup_voleditor_resetvalue('xvalue','');cut
up_voleditor_resetvalue('xheightfromvalue','');cutup_voleditor_resetvalue('y','');cutup_voleditor_re
setvalue('ywidth','');cutup_voleditor_resetvalue('ydepth','');cutup_voleditor_resetvalue('yheight','
');cutup_voleditor_resetvalue('yheightfrom','');cutup_voleditor_resetvalue('yvalue','');cutup_voledi
tor_resetvalue('yheightfromvalue','');cutup_voleditor_resetvalue('count',cutup_voleditor_record_coun
t.toString());}
/*set display and remove unwanted cutup_machineit_scripts from view*/
/*move the following line into cutup_machineit_kitcad_boot function*/
/*try{ setTimeout('cutup_voleditor_reset()',1000); }catch(e){}*/
function cutup_voleditor_record_load(itemtoload){cutup_voleditor_record_count =
itemtoload;cutup_voleditor_reset();try{document.getElementById('cutup_voleditor_openselectvol_button
').click();}catch(e){}}

```

```

function cutup_voleditor_get_record_item_count(itemtoload){var itemscounted = 0; try{for (var
iixx=0; iixx<=65535; iixx++){if (nvfl[itemtoload].split(''+iixx.toString()+')')[1]{itemscounted+
+;}else{iixx=cutup_machineit_voleditor_search_limit;}}catch(e) {}
return itemscounted;}

function cutup_voleditor_record_count_item_check(){var currentitem =
document.getElementById('cutup_voleditor_record_count').value; var checkitems =
cutup_voleditor_get_record_item_count(cutup_voleditor_save_record_nvfl) - 1;
if(currentitem>checkitems){ if(checkitems!=-1&&checkitems!='-1')
{document.getElementById('cutup_voleditor_record_count').value = checkitems;
/*cutup_voleditor_openselectvol();*/ cutup_voleditor_record_load(checkitems);}}

function cutup_voleditor_updateselectrecord()
{cutup_voleditor_save=true;cutup_voleditor_openselectvol();cutup_voleditor_save=false;}

function cutup_voleditor_makeselectvol(){ try{document.getElementById('cutup_voleditor_files').value
='';var llafx=nvfl.length-1;for (var lliix=0; lliix<llafx; lliix++){if (nvfl[lliix]!=''){ var lnvfls =
''; try{var nvfl = nvfl[lliix]; var lanvfl = nvfl.split('');if (lanvfl.length>1){var clanvfl =
lanvfl.length-1;if (lliix==nvfl.length-1){clanvfl = lanvfl.length;}
for (var lliixt=0; lliixt<clanvfl; lliixt++){lnvfls = lnvfls + '[' + lanvfl[lliixt];}}
if (lnvfls.split('[')[1]!=''){lnvfls=lnvfls.replace(/\[/gi,"["");}catch (e) {}
document.getElementById('cutup_voleditor_files').value =
document.getElementById('cutup_voleditor_files').value+"\r\n"+lnvfls;}}catch (e) {}

function cutup_voleditor_setlocalstorage(){try{ localStorage.setItem("kitchenpages_voldata",
document.getElementById('cutup_voleditor_files').value);
localStorage.setItem("kitchenpages_cncdata",
document.getElementById('cutup_voleditor_cnc_files').value); }catch (e) {}
/*]]>*/</script>

<style type="text/css" media="all"><!--
#cutup_voleditor_application{display:none;visibility:hidden;}
#cutup_machineit_application{display:none;visibility:hidden;}
#cutup_machineit_kp2_load_button{display:none;visibility:hidden;}
#cutup_machineit_rX_load_button{display:none;visibility:hidden;}
#cutup_machineit_copyright_2016{font-size:8pt;}
#cutup_machineit_rX_print_output_div{display:none;visibility:hidden;}
#cutup_machineit_rX_print_button_div{display:block;visibility:visible;}
#cutup_machineit_rX_kp2_output{display:none;visibility:hidden;}
#cutup_machineit_rX_kp2_output_div{display:none;visibility:hidden;}
--></style>

<style type="text/css" media="print"><!--
#cutup_voleditor_application{display:none;visibility:hidden;}
#cutup_machineit_application{display:none;visibility:hidden;}
#cutup_machineit_kitcad{display:none;visibility:hidden;}
#cutup_machineit_kp2_load_button{display:none;visibility:hidden;}
#cutup_machineit_rX_load_button{display:none;visibility:hidden;}
#cutup_machineit_help_button_div{display:none;visibility:hidden;}
#cutup_machineit_copyright_2016{display:none;visibility:hidden;}
#cutup_machineit_guiclient_save_button{display:none;visibility:hidden;}
#cutup_machineit_guiclient_save_button_div{display:none;visibility:hidden;}
#cutup_machineit_guiclient_kp2_button{display:none;visibility:hidden;}
#cutup_machineit_guiclient_kp2_button_div{display:none;visibility:hidden;}
#cutup_machineit_rX_print_button{display:none;visibility:hidden;}
#cutup_machineit_rX_print_button_div{display:none;visibility:hidden;}
#cutup_machineit_kp2_app{display:none;visibility:hidden;}
#i3libsysdiv{display:none;visibility:hidden;}
#cutup_machineit_text{display:none;visibility:hidden;}
#cutup_machineit_spacing1{display:none;visibility:hidden;}
#cutup_machineit_spacing2{display:none;visibility:hidden;}
#cutup_machineit_spacing3{display:none;visibility:hidden;}
#cutup_machineit_spacing4{display:none;visibility:hidden;}
#cutup_machineit_spacing5{display:none;visibility:hidden;}
#cutup_machineit_rX_kp2_output{display:none;visibility:hidden;}
#cutup_machineit_rX_kp2_output_div{display:none;visibility:hidden;}
.cutup_machineit_spacing{display:none;visibility:hidden;}
#cutup_machineit_user_filter_div{display:none;visibility:hidden;}
#cutup_machineit_user_filter_form{display:none;visibility:hidden;}
#cutup_machineit_user_filter_text{display:none;visibility:hidden;}
pre{display:block;visibility:visible;}
#cutup_machineit_rX_print_output_div{display:block;visibility:visible;}
--></style>

<script type="text/javascript">/**/
/* Cutup.exe MachineIt VolEditor.exe - service scripts for Cutup_VolEditor */
</pre>
</div>
<div data-bbox="373 912 624 931" data-label="Page-Footer">
<p>cutup.html (minimised) 8 - 28</p>
</div>
```



```

var htmloptionstart = '<option value=""'; var htmloptionmidway = '>'; var htmloptionend =
'</option>'; var nvfl = new Array(); var nvfa=''; var nvlinecount = 0; var
cutup_voleditor_save_record_nvfl=0; var cutup_voleditor_save_record_start = ''; var
cutup_voleditor_save_record_end = '';
function cutup_voleditor_getvolfilelist(){var getvolfilelist =
document.getElementById('cutup_voleditor_files').value; var getvolfilelists=getvolfilelist; var gvfl
= getvolfilelists.split('.vol']; var thefiletext = new Array(); for (var ii=0; ii<gvfl.length; ii++)
{var ii2=0; var gvfl1=gvfl[ii].split('['); nvlinecount=ii; if(ii==(gvfl.length)){for (var xiix=0;
xiix<gvfl1.length-1; xiix++){if(gvfl1[xiix]){thefiletext[ii] += '['+gvfl1[xiix];}}else{for (var
xiix=0; xiix<gvfl1.length-1; xiix++){if(gvfl1[xiix]){thefiletext[ii] += '['+gvfl1[xiix];}}}
var ngvfl1 = gvfl1[(gvfl1.length-1)]; nvfa = nvfa+htmloptionstart + ngvfl1 +
'.vol'+htmloptionmidway+ngvfl1+'.vol'+htmloptionend;
for (var ii=0; ii<gvfl.length-1; ii++){var gvfl1=gvfl[ii].split('['); var ngvfl1 =
gvfl1[(gvfl1.length-1)]; nvfl[ii] = '[' + ngvfl1 +
'.vol'+thefiletext[ii+1]; if(nvfl[ii].split('.vol')[1][1]){nvfl[ii] = nvfl[ii].replace(/\.vol\]
[/gi, '.vol]');} if(nvfl[ii].split('undefined[') [1]){nvfl[ii] = nvfl[ii].replace(/undefined\
[/gi, '');}}
var nvfat=''; for (var xxa=0; xxa<nvfa.split('<option').length-1; xxa++){nvfat +=
'<option'+nvfa.split('<option')[xxa];}
nvfa=nvfat.replace(/<option</gi, '<');
function cutup_voleditor_selectvol()
{cutup_voleditor_getvolfilelist(); document.getElementById('cutup_voleditor_selectvol_form').innerHTM
L = '<select id="cutup_voleditor_selectvol_select">'+nvfa+'</select>'+<input type="button"
value="Open" id="cutup_voleditor_openselectvol_button"
onclick="cutup_voleditor_openselectvol(); cutup_voleditor_record_count_item_check(); return
false;"></input>'+<input type="button" value="Save" id="cutup_voleditor_saveselectrecord_button"
onclick="cutup_voleditor_record_count_item_check(); cutup_voleditor_updateselectrecord(); return
false;"></input> '+<input type="button" value="Make vol" id="cutup_voleditor_makeselectvol_button"
onclick="cutup_voleditor_record_count_item_check(); cutup_voleditor_makeselectvol(); return
false;"></input>'+<input type="button" value="Set Local Storage"
id="cutup_voleditor_setlocalstorage_button" onclick="cutup_voleditor_setlocalstorage(); return
false;"></input>';
};
var cutup_voleditor_save=false; var cutup_voleditor_save_recordcount='0'; function
cutup_voleditor_openselectvol(){/*reset the data only for loads*/ if(cutup_voleditor_save==false)
{cutup_voleditor_reset();}
for (var xiy=0; xiy<nvfl.length-1; xiy++)
{if(nvfl[xiy].match(document.getElementById('cutup_voleditor_selectvol_select').value))
{cutup_voleditor_showdata(nvfl[xiy]); cutup_voleditor_save_record_nvfl=xiy;}}
function cutup_voleditor_showdata(nvfldata){var
volrecordtoget=document.getElementById('cutup_voleditor_record_count').value; if(!volrecordtoget||
volrecordtoget=='')
{volrecordtoget='0'; document.getElementById('cutup_voleditor_record_count').value=volrecordtoget;
nvfldata = nvfldata.split('['+volrecordtoget+']')
[1]; cutup_voleditor_save_recordcount=volrecordtoget; try{var volrecordtoget1 =
(volrecordtoget*1)+1; nvfldata = nvfldata.split('['+volrecordtoget1+']')[0];} catch(e){}
cutup_voleditor_showdata_load(nvfldata); cutup_voleditor_save_record_start =
nvfl[cutup_voleditor_save_record_nvfl].split('['+cutup_voleditor_save_recordcount.toString()+']')
[0]; var cutup_voleditor_save_recordcount_1 =
(cutup_voleditor_save_recordcount*1)+1; cutup_voleditor_save_record_end = "\r\n" +
 '['+cutup_voleditor_save_recordcount_1.toString()+']' +
nvfl[cutup_voleditor_save_record_nvfl].split('['+cutup_voleditor_save_recordcount_1+']')[1];}
function cutup_voleditor_showdata_load(nvfldata){var volcutter="\r\n"; try{if(!
nvfldata.match(volcutter)[1]){volcutter="\n";} catch(e){}
try{var nvflarray = nvfldata.split("\n"); for (var xiyy=0; xiyy<nvflarray.length-1; xiyy++)
{ if(nvflarray[xiyy]!='') {cutup_voleditor_showdata_readline(nvflarray[xiyy]);}
} catch(e){cutup_voleditor_record_count_item_check();}}

function cutup_voleditor_showdata_readline(nvfllinedata){ /*split each line at = and if valid they
update*/ if(cutup_voleditor_save==false)
{try{document.getElementById('cutup_voleditor_record_'+nvfllinedata.split('=')[0]).value =
nvfllinedata.split('=')[1];} catch(e){}
voleditor_data_paint_needed=false; voleditor_data_paint(voleditor_data_paint_needed); voleditor_data_p
aint_needed=true;} else{cutup_voleditor_savevalue('count', cutup_voleditor_record_count.toString()); cu
tup_voleditor_savevalue('tag', ''); cutup_voleditor_savevalue('material', ''); cutup_voleditor_savevalue
('cost', ''); cutup_voleditor_savevalue('edge', ''); cutup_voleditor_savevalue('x', ''); cutup_voleditor_s
avevalue('xwidth', ''); cutup_voleditor_savevalue('xdepth', ''); cutup_voleditor_savevalue('xheight', '');
cutup_voleditor_savevalue('xheightfrom', ''); cutup_voleditor_savevalue('y', ''); cutup_voleditor_savev
alue('ywidth', ''); cutup_voleditor_savevalue('ydepth', ''); cutup_voleditor_savevalue('yheight', ''); cut
up_voleditor_savevalue('yheightfrom', ''); nvfl[cutup_voleditor_save_record_nvfl] =
cutup_voleditor_save_record_start+cutup_voleditor_savevalue_data+cutup_voleditor_save_record_end;}}
var cutup_voleditor_savevalue_data=''; function cutup_voleditor_savevalue(elementtoget,
saverrecordcount){if(saverrecordcount!=''||elementtoget=='count'){cutup_voleditor_savevalue_data =
 '['+saverrecordcount+']'+"\r\n";} else{try{if(document.getElementById('cutup_voleditor_record_'+elemen
ttoget).value!=''){cutup_voleditor_savevalue_data = cutup_voleditor_savevalue_data + elementtoget +
 '='+ document.getElementById('cutup_voleditor_record_'+elementtoget).value + "\r\n";} catch(e){}}}}

```

```

/*cpp rewrite to ecma 2016 - use whole interger values only*/
function TVolumeEditorEditXChange(){try{if (!
(document.getElementById('cutup_voeditor_record_x').value == "[value]" ||
document.getElementById('cutup_voeditor_record_xheight').value == "[value]" ||
document.getElementById('cutup_voeditor_record_xheightfrom').value == "[value]" ||
document.getElementById('cutup_voeditor_record_xwidth').value == "[value]" ||
document.getElementById('cutup_voeditor_record_xdepth').value == "[value]"))
{try{ document.getElementById('cutup_voeditor_record_xvalue').value =
( document.getElementById('cutup_voeditor_record_x').value *1)+
( document.getElementById('cutup_voeditor_record_xheight').value *1)+
( document.getElementById('cutup_voeditor_record_xheightfrom').value *1)+
( document.getElementById('cutup_voeditor_record_xwidth').value *1)+
( document.getElementById('cutup_voeditor_record_xdepth').value *1);}catch(e)
}}else{document.getElementById('cutup_voeditor_record_xvalue').value = "[value]";}}catch(e){}
function TVolumeEditorEditYChange(){try{if (!
(document.getElementById('cutup_voeditor_record_y').value == "[value]" ||
document.getElementById('cutup_voeditor_record_yheight').value == "[value]" ||
document.getElementById('cutup_voeditor_record_yheightfrom').value == "[value]" ||
document.getElementById('cutup_voeditor_record_ywidth').value == "[value]" ||
document.getElementById('cutup_voeditor_record_ydepth').value == "[value]"))
{try{ document.getElementById('cutup_voeditor_record_yvalue').value =
( document.getElementById('cutup_voeditor_record_y').value *1)+
( document.getElementById('cutup_voeditor_record_yheight').value *1)+
( document.getElementById('cutup_voeditor_record_yheightfrom').value *1)+
( document.getElementById('cutup_voeditor_record_ywidth').value *1)+
( document.getElementById('cutup_voeditor_record_ydepth').value *1); }catch(e)
}}else{document.getElementById('cutup_voeditor_record_yvalue').value = "[value]";}}catch(e){}
function TVolumeEditorXHeightFromChange(){try{if (!
(document.getElementById('cutup_voeditor_record_xheight').value == "[value]" ||
document.getElementById('cutup_voeditor_record_xheightfrom').value == "[value]"))
{try{document.getElementById('cutup_voeditor_record_xheightfromvalue').value =
( document.getElementById('cutup_voeditor_record_xheight').value *1)+
( document.getElementById('cutup_voeditor_record_xheightfrom').value *1);}catch(e)
}}else{document.getElementById('cutup_voeditor_record_xheightfromvalue').value =
"[value]";}}catch(e){}
function TVolumeEditorYHeightFromChange(){try{if (!
(document.getElementById('cutup_voeditor_record_yheight').value == "[value]" ||
document.getElementById('cutup_voeditor_record_yheightfrom').value == "[value]"))
{try{document.getElementById('cutup_voeditor_record_yheightfromvalue').value =
( document.getElementById('cutup_voeditor_record_yheight').value *1)+
( document.getElementById('cutup_voeditor_record_yheightfrom').value *1); }catch(e)
}}else{document.getElementById('cutup_voeditor_record_yheightfromvalue').value =
"[value]";}}catch(e){}
/*cpp now ecma helper function - event fired functions by using a timed referesh of interfaces*/
var voeditor_data_paint_needed=true;function voeditor_data_paint(testtrue){try{if (testtrue==true){
voeditor_data_paint_needed=true; }}catch(e){}
try{if(voeditor_data_paint_needed==true){setTimeout('voeditor_data_paint(true)',3000);}}catch(e){}
TVolumeEditorEditXChange();TVolumeEditorEditYChange();TVolumeEditorXHeightFromChange();TVolumeEditor
YHeightFromChange();}
voeditor_data_paint(voeditor_data_paint_needed);

/*]]>*/</script>

</head><body>

<div id="cutup_voeditor_application"><div id="cutup_voeditor_title">
<div id="cutup_voeditor_version_1_0" style="display:none;visibility:hidden;">VolEditor (v1.0) :
</div><div id="cutup_voeditor_version_1_10">VolEditor (v1.10) : <div
id="cutup_voeditor_selectedvol"></div><div id="cutup_voeditor_selectvol"><form
id="cutup_voeditor_selectvol_form" name="cutup_voeditor_selectvol_form" action="#"
method="get"><div><input type="button" value="Select Volume" id="cutup_voeditor_selectvol_button"
onclick="cutup_voeditor_selectvol();return false;"></input></div></form></div></div>
<div id="cutup_voeditor"><form id="cutup_voeditor_form" name="cutup_voeditor_form" action="#"
method="get">
<div>
<div id="cutup_voeditor_tagmaterial">
<div id="cutup_voeditor_record_tag_div">Tag <input type="text" name="cutup_voeditor_record_tag"
id="cutup_voeditor_record_tag"></input></div>
<br>
<div id="cutup_voeditor_record_material_div">Material <input type="text"
name="cutup_voeditor_record_material" id="cutup_voeditor_record_material"></input></div>
<br>
</div>

<div id="cutup_voeditor_edgcost">
<div id="cutup_voeditor_record_edge_div">Edge <input type="text" name="cutup_voeditor_record_edge"
id="cutup_voeditor_record_edge"></input></div>

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<br>
<div id="cutup_voeditor_record_cost_div">Cost <input type="text" name="cutup_voeditor_record_cost"
id="cutup_voeditor_record_cost"></input></div>
<br>
</div>

<!--// modified for machine-it //-->
<div id="cutup_voeditor_xyheightfrom">
<div id="cutup_voeditor_record_xheightfrom">-XHeightFrom <input type="text"
name="cutup_voeditor_record_xheightfrom" id="cutup_voeditor_record_xheightfrom"></input></div>
<div id="cutup_voeditor_record_xheightfromvalue_div">= <input type="text"
name="cutup_voeditor_record_xheightfromvalue"
id="cutup_voeditor_record_xheightfromvalue"></input></div>
<br>
<div id="cutup_voeditor_record_yheightfrom_div">-YHeightFrom <input type="text"
name="cutup_voeditor_record_yheightfrom" id="cutup_voeditor_record_yheightfrom"></input></div>
<div id="cutup_voeditor_record_yheightfromvalue_div">= <input type="text"
name="cutup_voeditor_record_yheightfromvalue"
id="cutup_voeditor_record_yheightfromvalue"></input></div>
<br>
</div>

<div id="cutup_voeditor_x">
0+X <input type="text" name="cutup_voeditor_record_x" id="cutup_voeditor_record_x"></input>
<div id="cutup_voeditor_record_xwidth_div">+XWidth <input type="text"
name="cutup_voeditor_record_xwidth" id="cutup_voeditor_record_xwidth"
onchange="cutup_machineit_record_xwidth_onchange();"></input></div>
<div id="cutup_voeditor_record_ywidth_div">+YWidth <input type="text"
name="cutup_voeditor_record_ywidth" id="cutup_voeditor_record_ywidth"
onchange="cutup_machineit_record_ywidth_onchange();"></input></div>
<div id="cutup_voeditor_record_xvalue_div">= <input type="text" name="cutup_voeditor_record_xvalue"
id="cutup_voeditor_record_xvalue"></input></div>
<br>
</div>
<div id="cutup_voeditor_y">
0+Y <input type="text" name="cutup_voeditor_record_y" id="cutup_voeditor_record_y"></input>
<div id="cutup_voeditor_record_xdepth_div">+XDepth <input type="text"
name="cutup_voeditor_record_xdepth" id="cutup_voeditor_record_xdepth"
onchange="cutup_machineit_record_xdepth_onchange();"></input></div>
<div id="cutup_voeditor_record_ydepth_div">+YDepth <input type="text"
name="cutup_voeditor_record_ydepth" id="cutup_voeditor_record_ydepth"
onchange="cutup_machineit_record_ydepth_onchange();"></input></div>
<div id="cutup_voeditor_record_yvalue_div">= <input type="text" name="cutup_voeditor_record_yvalue"
id="cutup_voeditor_record_yvalue"></input></div>
<br>
</div>

<div id="cutup_voeditor_xyheight">
<div id="cutup_voeditor_record_xheight_div">+XHeight <input type="text"
name="cutup_voeditor_record_xheight" id="cutup_voeditor_record_xheight"
onchange="cutup_machineit_record_xheight_onchange();"></input></div>
<div id="cutup_voeditor_record_yheight_div">+YHeight <input type="text"
name="cutup_voeditor_record_yheight" id="cutup_voeditor_record_yheight"
onchange="cutup_machineit_record_yheight_onchange();"></input></div>
<br>
</div>

<div id="cutup_voeditor_record">
Record <input onchange="cutup_voeditor_record_load(this.value);" type="number"
name="cutup_voeditor_record_count" id="cutup_voeditor_record_count" min="0" max="10000"
step="1"></input>
<br>
</div>

<div id="cutup_voeditor_files_div">
<textarea id="cutup_voeditor_files" name="cutup_voeditor_files"></textarea>
</div>

<div id="cutup_voeditor_cnc_files_div">
<textarea id="cutup_voeditor_cnc_files" name="cutup_voeditor_cnc_files"></textarea>
</div>
</div>
</form>

```

</div>

</div>

<div id="cutup_machineit_application">

<div id="cutup_machineit_kps_file_div">

<textarea id="cutup_machineit_kps_file" name="cutup_machineit_kps_file"></textarea>

</div>

<div id="cutup_machineit_kpm_file_div">

<textarea id="cutup_machineit_kpm_file" name="cutup_machineit_kpm_file"></textarea>

</div>

<div id="cutup_machineit_kpe_file_div">

<textarea id="cutup_machineit_kpe_file" name="cutup_machineit_kpe_file"></textarea>

</div>

</div>

<!--// ##### kitcad ##### //-->

<div id="cutup_machineit_kitcad">

<a id="cutup_kitcad_nav_back_href"

href="javascript:history.back();" title="Go Back a page" rel="nofollow"><<

|

Machine-It

|

VolEditor

 |

<a id="cutup_kitcad_nav_forward_href" href="javascript:history.forward();" title="Go Forward a page"

rel="nofollow">>>

</div>

<div id="i3libsystdiv">

<form action="javascript:getlibrary();" method="GET" name="login" id="login"><div>

Load i3 LibSys (KPX), KitCAD i3 KGC email address:

<input type="text" name="Name" id="Name" style="width: 300px;" autocomplete="email" /> <input

type="submit" value="submit" />

Unload Library

</div>

</form>

</div>

<div id="cutup_machineit_kp2_app"><form id="cutup_machineit_kp2_form"

name="cutup_machineit_kp2_form" method="GET" action="#">

<div id="cutup_machineit_kp2_div"><p>Insert *.KP2 file text, <i>below</i>, or <a id="x1default_link"

href="#">x1default

onclick="try{document.getElementById('cutup_machineit_kp2_file').value=cutup_machineit_x1default;}ca

tch(e) {}>x1 default</p>

<textarea id="cutup_machineit_kp2_file" name="cutup_machineit_kp2_file"></textarea></div>

<div id="cutup_machineit_kp2_load_div"><input

onclick="cutup_machineit_kp2_load();cutup_machineit_kp2_override=true;cutup_machineit_rX_load();cutu

p_machineit_kp2_override=false;" type="button" name="cutup_machineit_kp2_load_button"

id="cutup_machineit_kp2_load_button" value="Process file"></input></div>

<div id="cutup_machineit_rX_load_div"><input onclick="cutup_machineit_rX_load();" type="button"

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name="cutup_machineit_rX_load_button" id="cutup_machineit_rX_load_button" value="Use rX
file"></input></div>
</form>
</div>
</div>

<div id="cutup_machineit_text"><form id="cutup_machineit_text_form" name="cutup_machineit_text_form"
method="GET" action="#">
<div id="cutup_machineit_text_div"><p>Processed results:</p>
<textarea id="cutup_machineit_text_file" name="cutup_machineit_text_file"
onclick="cutup_machineit_text_select(this);"></textarea></div>
</form>
</div>
</div>

<div id="cutup_machineit_spacing1" class="cutup_machineit_spacing">&nbsp;</div>

<script type="text/javascript">/*![[CDATA*/

/*defaults*/
var dcurotation="0";
var dcurepeats="1";
var dcuwidth="0";
var dcudepth="0";
var dcuheight="0";
var dcuheightfrom="0";
var dcufile="default.json";
var dcuname="default";
var dcudata="";
var dcukdfn=dcufile;
var dcucost="0.00";
var dcucomments="";
var dcukp2file="";
var dcuclientname="";
var dcujobnumber="";
var dcuid=0;

/*single processing values*/
var curotation=dcurotation;
var cuwidth=dcuwidth;
var cudepth=dcudepth;
var cuheight=dcuheight;
var cuheightfrom=dcuheightfrom;
var cufile=dcufile;
var cuname=dcuname;
var curepeats=dcurepeats;
var cudata=dcudata;
var cukdfn=dcukdfn;
var cucost = dcucost;
var cucomments=dcucomments;
var cujobnumber=dcujobnumber;
var cuclientname=dcuclientname;
var cukp2file=dcukp2file;
var cuid=dcuid;
var cucutstatus_r90=false;
var cucutstatus_rips=false;
var cucutstatus_docs=false;

/*get a single KPD by ID*/
function rXgetkpd(ID){ cuid=ID; /* rX file and library */
if((isrXrunning==true||isrXrunning=='true'||isrXrunning5==true||isrXrunning5=='true'||
isrXrunning3==true||isrXrunning3=='true')&&(ID!=''||ID!=-1||ID!='undefined')){
/*hide the kp2 loader*/
/
*try(document.getElementById('cutup_machineit_kp2_app').style='display:none;visibility:hidden;';docu
ment.getElementById('cutup_machineit_kp2_app').style.display='none';document.getElementById('cutup_m
achineit_kp2_app').style.visibility='hidden;');catch(e){}*/
/*refresh each time for changes*/
var kxdata = new Array();kxdata[ID] = new Object();var kxkdfn = new Array();kxkdfn[ID] = new
Object();var kxname = parent_opener.document.getElementsByName('kname');var kxfile =
parent_opener.document.getElementsByName('kFile');var kxrotation =
parent_opener.document.getElementsByName('kRotation');var kxwidth =
parent_opener.document.getElementsByName('kWidth');var kxdepth =
parent_opener.document.getElementsByName('kDepth');var kxheight =
parent_opener.document.getElementsByName('kHeight');var kxheightfrom =
parent_opener.document.getElementsByName('kHeightFrom');var kxrepeats =

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parent_opener.document.getElementsByName('kRepeats');kxdata[ID].value =
parent_opener.document.getElementById('KData'+ID).value;kxkdfn[ID].value =
parent_opener.document.getElementById('KDFileName'+ID).value;
var kxcost = cucost;try{var kxcost = parent_opener.kp2EstPrice;}catch(e) {}
var kxcomments = cucomments;try{var kxcomments = parent_opener.kp2Comment;}catch(e) {}
var kxkp2file = cukp2file;try{var kxkp2file = parent_opener.kp2File;}catch(e) {}
var kxjobnumber = cujobnumber;try{var kxjobnumber = parent_opener.kp2JobNumber;}catch(e) {}
var kxclientname = cuclientname;try{var kxclientname = parent_opener.kp2ClientName;}catch(e) {}
/*data checks*/
if(kxrotation[ID].value == 'undefined' || kxrotation[ID].value == ''){ kxrotation[ID].value =
dcurotation; }
if(kxwidth[ID].value == 'undefined' || kxwidth[ID].value == ''){ kxwidth[ID].value = dcuwidth; }
if(kxdepth[ID].value == 'undefined' || kxdepth[ID].value == ''){ kxdepth[ID].value = dcudepth; }
if(kxheight[ID].value == 'undefined' || kxheight[ID].value == ''){ kxheight[ID].value = dcuheight; }
if(kxheightfrom[ID].value == 'undefined' || kxheightfrom[ID].value == ''){ kxheightfrom[ID].value =
dcuheightfrom; }
if(kxfile[ID].value == 'undefined' || kxfile[ID].value == ''){ kxfile[ID].value = dcufile; }
if(kxname[ID].value == 'undefined' || kxname[ID].value == ''){ kxname[ID].value = dcuname; }
try{if(kxcost[0].value == 'undefined' || kxcost[0].value == ''){ kxcost[ID].value =
dcucost; }}catch(e) {}
try{if(kxcomments[ID].value == 'undefined' || kxcomments[ID].value == ''){ kxcomments[ID].value =
dcocomments; }}catch(e) {}
try{if(kxkp2file[ID].value == 'undefined' || kxkp2file[ID].value == ''){ kxkp2file[ID].value =
dcukp2file; }}catch(e) {}
try{if(kxclientname[ID].value == 'undefined' || kxclientname[ID].value == '')
{ kxclientname[ID].value = dcuclientname; }}catch(e) {}
try{if(kxjobnumber[ID].value == 'undefined' || kxjobnumber[ID].value == ''){ kxjobnumber[ID].value =
dcujobnumber; }}catch(e) {}
/*added check for cutup*/
if(kxrepeats[ID].value == 'undefined' || kxrepeats[ID].value == ''){ kxrepeats[ID].value =
dcurepeats; }
if(kxdata[ID].value == 'undefined' || kxdata[ID].value == ''){ kxdata[ID].value = dcudata; }
if(kxkdfn[ID].value == 'undefined' || kxkdfn[ID].value == ''){ kxkdfn[ID].value = dcukdfn; }
try{if(kxcost[0].value == 'undefined' || kxcost[ID].value == ''){ kxcost[0].value =
dcucost; }}catch(e) {}
try{if(kxcomments[ID].value == 'undefined' || kxcomments[ID].value == ''){ kxcomments[ID].value =
dcucomments; }}catch(e) {}
try{if(kxkp2file[ID].value == 'undefined' || kxkp2file[ID].value == ''){ kxkp2file[ID].value =
dcukp2file; }}catch(e) {}
try{if(kxclientname[ID].value == 'undefined' || kxclientname[ID].value == '')
{ kxclientname[ID].value = dcuclientname; }}catch(e) {}
try{if(kxjobnumber[ID].value == 'undefined' || kxjobnumber[ID].value == ''){ kxjobnumber[ID].value =
dcujobnumber; }}catch(e) {}
curotation=kxrotation[ID].value;cuwidth=kxwidth[ID].value;cudepth=kxdepth[ID].value;cuheight=kxheight
t[ID].value;cuheightfrom=kxheightfrom[ID].value;cufile=kxfile[ID].value;cuuname=kxname[ID].value;cure
peats=kxrepeats[ID].value;cuadata=kxdata[ID].value.toString();cukdfn=kxkdfn[ID].value.toString();
try{cucost=kxcost[ID].value;}catch(e) {}
try{cucomments=kxcomments[ID].value;}catch(e) {}
try{cukp2file=kxkp2file[ID].value;}catch(e) {}
try{cujobnumber=kxjobnumber[ID].value;}catch(e) {}
try{cuclientname=kxclientname[ID].value;}catch(e) {}
/*end kp2_override==false*/
if(cutup_machineit_kp2_override==true){ try{ KGCRPCLAJAX = kp2kpd2.Items["KitCAD2.Objects"];
KGCRPCLAJAX =KGCRPCLAJAX -1;}catch(e) {}
rotation=kp2kpd2.Items[ID+'.Rotation'];cuwidth=kp2kpd2.Items[ID+'.Width'];cudepth=kp2kpd2.Items[ID
+'.Depth'];
cuheight=kp2kpd2.Items[ID+'.Height'];cuheightfrom=kp2kpd2.Items[ID+'.HeightFrom'];
try{cucost=kp2kpd2.Items['KitCAD2.EstPrice'];}catch(e) {}
try{cucomments=kp2kpd2.Items['KitCAD2.Comment'];}catch(e) {}
try{cukp2file=kp2kpd2.Items['KitCAD2.File'];}catch(e) {}
try{cuclientname=kp2kpd2.Items['KitCAD2.ClientName'];}catch(e) {}
try{cujobnumber=kp2kpd2.Items['KitCAD2.JobNumber'];}catch(e) {}
cufile=kp2kpd2.Items[ID+'.File'];cuuname=kp2kpd2.Items[ID+'.name'];curepeats=kp2kpd2.Items[ID+'.Repea
ts'];
try{var ucufilename = cufile; if (ucufilename.indexOf('/')!=-1){ ucufilename=ucufilename.split('/')
[ucufilename.split('/').length-1];}
if (ucufilename.indexOf("\\")!=-1){ ucufilename=ucufilename.split("\\")[ucufilename.split("\\").length-1];}
ucufilename = ucufilename.split('.kpd')[0];
var sucufilename = ucufilename;if(sucufilename.indexOf('_')!=-1){sucufilename=sucufilename.split('_')[0];}
try{eval('cuadata=kpd_'+sucufilename.toLowerCase()+ '()');}catch(e)
{cutup_machineit_messagecode('cuadata=kpd_'+sucufilename.toLowerCase()+ '()');}
/*override the short name with long name if found*/
try{eval('cuadata=kpd_'+ucufilename.toLowerCase()+ '()');}catch(e)
{cutup_machineit_messagecode('cuadata=kpd_'+ucufilename.toLowerCase()+ '()');}
}catch(e) {try{cuadata='cuadata=kpd_'+ucufilename.toLowerCase()
+ '()';cutup_machineit_messagecode(cuadata);}catch(e) {}
cukdfn=kp2kpd2.Items[ID+'.File'];

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}
}
var cutup_machineit_errorcode_string=''; function cutup_machineit_errorcode(e)
{cutup_machineit_errorcode_string=cutup_machineit_errorcode_string+e;}
var cutup_machineit_messagecode_string=''; function cutup_machineit_messagecode(e)
{cutup_machineit_messagecode_string=cutup_machineit_messagecode_string+e;}

/* following code for loading manually entered kp2 file */
cutup_machineit_kp2_KrestartURIdataload=function() {
var readintmp = "";
try{ readintmp = document.getElementById('cutup_machineit_kp2_file').value; }catch(e){} /*line added
for cutup*/
var getbyline = new Array();
var getbysqlcloc= 0;
getbyline = readintmp.split(/\n/);
var getsecname = "";
var getkeyname = "";
var getvalname = "0";
while (getbysqlcloc < getbyline.length){
if(getbyline[getbysqlcloc].length > 1){
var getbychar = getbyline[getbysqlcloc].charAt(0);
if(getbychar!=";" && getbychar!="#" && getbychar!=" " && getbychar!=""){
if(getbychar=="["){
getsecname = "";
var getbegchar = getbyline[getbysqlcloc].indexOf("[") + 1;
var getendchar = getbyline[getbysqlcloc].indexOf("]") - 1;
var gettmpname = getbyline[getbysqlcloc].substr(getbegchar,getendchar);
getsecname = gettmpname;
}
if(getbyline[getbysqlcloc].indexOf("=")){
var getbegchar = getbyline[getbysqlcloc].indexOf("=");
var getendchar = getbyline[getbysqlcloc].indexOf("=") + 1;
var getallchar = getbyline[getbysqlcloc].length - getendchar;
var gettmpname = getbyline[getbysqlcloc].substr(0, getbegchar);
getkeyname = gettmpname;
gettmpname = getbyline[getbysqlcloc].substr(getendchar,getallchar);
getvalname = gettmpname;
}
}
var bx = getsecname + "." + getkeyname;
kp2kpd2.Items[bx] = getvalname.replace(/\n|\r/g, '');
}
}
getbysqlcloc++;
getkeyname = "";
getvalname = "0";
}
}
var kp2kpd2 = new Object();
kp2kpd2.Items = new Array();
var cutup_machineit_kp2_override=false;function cutup_machineit_kp2_load()
{try{cutup_machineit_kp2_KrestartURIdataload();cutup_machineit_kp2_override=true;}catch(e){}}

/*KPD KPX required functions*/
try{
/*un-remarked test fix 2014*/
W = function(_1){ try{ return _1; }catch(e){} }
D = function(_2){ try{ return _2; }catch(e){} }
H = function(_3){ try{ return _3; }catch(e){} }
F = function(_4){ try{ return _4; }catch(e){} }
w = function(_5){ try{ return _5; }catch(e){} }
d = function(_6){ try{ return _6; }catch(e){} }
h = function(_7){ try{ return _7; }catch(e){} }
f = function(_8){ try{ return _8; }catch(e){} }
/*KPD shave values - read only strings*/
BP = function(){ try{ return "Fmovex+B1)-P2"; }catch(e){E(e);} }
PB = function(){ try{ return "(Fmovey+P1)+B2"; }catch(e){E(e);} }
FP = function(){ try{ return "Fmovex-P2"; }catch(e){E(e);} }
FB = function(){ try{ return "Fmovey+B2"; }catch(e){E(e);} }
fb = function(){ try{ return "Fmovex+B1"; }catch(e){E(e);} }
fp = function(){ try{ return "Fmovey+P1"; }catch(e){E(e);} }
mt = function(){ try{ return "MoveToDEF"; }catch(e){E(e);} }
lt = function(){ try{ return "LineToDEF"; }catch(e){E(e);} }
MT = function(){ try{ return "MoveTo"; }catch(e){E(e);} }
FX = function(){ try{ return "Fmovex"; }catch(e){E(e);} }
FY = function(){ try{ return "Fmovey"; }catch(e){E(e);} }
LT = function(){ try{ return "LineTo"; }catch(e){E(e);} }
}

```

```

/*cutup machineit*/
_c = function(_9){ try{ return _9; }catch(e){} }

/* sub mathstime - get.cgi - rewritten for javascript 2013 - updated 2014 with seperate returns for
each math operation */
mathstime = function(mt0,mt1){ try{ mt0 = mt0 - 0.0001; mt0 = mt0 + 0.0001; try{if (mt1=="0" ||
mt1==0) { return mt1; }}catch(e){ return mt0; }
try{if (mt1=="") { return mt0; }}catch(e){ return mt1; }
if (mt1.match(/\/-\/)) { mt1 = mt1.replace(/\/-\/,""); mt1 = mt1 - 0.0001; mt1 = mt1 + 0.0001; mt1 = mt0
- mt1; return mt1; }
if (mt1.match(/\/+\/)) { mt1 = mt1.replace(/\/+\/,""); mt1 = mt1 - 0.0001; mt1 = mt1 + 0.0001; mt1 = mt0
+ mt1; return mt1; }
//correct the next line if unremarking, in mt1.match and mt1.replace remove the whitespace after the
* symbols
if (mt1.match(/\/*\/)) { mt1 = mt1.replace(/\/*\/,""); mt1 = ceil(mt0 * mt1); return mt1; }
if (mt0 != 0 && mt1.match(/\/\//)) { mt1 = mt1.replace(/\/\//,""); mt1 = ceil(mt0 / mt1); return mt1; }
if (mt0 != 0 && mt1.match(/\/\//)) { mt1 = mt1.replace(/\/\//,""); mt1 = ceil(mt0 / mt1); return mt1; }
return mt1; }catch(e){return 0; } }

}catch(e){ alert('can not init uncompress system'); }

function Ismathstime(checkvalue)
{ try{
if (checkvalue.match(/\/-\/)) { return true; }
if (checkvalue.match(/\/+\/)) { return true; }
if (checkvalue.match(/\/*\/)) { return true; }
if (checkvalue.match(/\/\//)) { return true; }
if (checkvalue.match(/\/\//)) { return true; }
}catch(e){}
return false;
}

/* from KitCAD KGC */
var Math_object = true;

var M_E = 2.71828182845904523536;
var M_LOG2E = 1.44269504088896340736;
var M_LOG10E = 0.434294481903251827651;
var M_LN2 = 0.693147180559945309417;
var M_LN10 = 2.30258509299404568402;
var M_PI = 3.14159265358979323846;
var M_PI_2 = 1.57079632679489661923;
var M_PI_4 = 0.785398163397448309616;
var M_1_PI = 0.318309886183790671538;
var M_2_PI = 0.636619772367581343076;
var M_1_SQRTPI = 0.564189583547756286948;
var M_2_SQRTPI = 1.12837916709551257390;
var M_SQRT2 = 1.41421356237309504880;
var M_SQRT_2 = 0.707106781186547524401;

PI = function () {
var vvar = M_PI ; //3.14159
try{if(Math.PI){vvar = Math.PI;} }catch(error){}
return vvar;
}

floor = function (value)
{
var vvar = Math.floor(value);
return vvar;
}

ceil = function (value)
{
var vvar = Math.ceil(value);
return vvar;
}

sin = function (value)
{
var vvar = Math.sin(value);
return vvar;
}

cos = function (value)
{

```



```

var vvar = Math.cos(value);
return vvar;
}

tan = function (value)
{
var vvar = Math.tan(value);
return vvar;
}

function cutup_machineit_rX_load(){cutup_machineit_kpsmeprocessed = '';
cutup_machineit_kpsmeprocessed_count
=cutup_machineit_kpsmeprocessed_count_start;cutup_machineit_kpsmeprocessed_negcount =
cutup_machineit_kpsmeprocessed_negcount_start;try{document.getElementById('cutup_machineit_text_file
').value='';}catch(e){}
/*kpskpmkpe = 0,1,2*/
var kpskpmkpe = 0;

try{KGCRPCLAJAX = parent_opener.KGCRPCLAJAX; /*amount of object items on new drawing */
}catch(e){}

for (var KGCruncount=0; KGCruncount<=KGCRPCLAJAX; KGCruncount++){/* load the first kpd from rX */
rXgetkpd(KGCruncount);

if(cuname=='default' || cufile=='default.json'){curepeats=0;}
/*try{setTimeout('cutup_machineit_cpp_terminate('+kpskpmkpe+');',3000);}catch(e){} */
if(cuname!='undefined' && cufile!='undefined' && curepeats!='0' && curepeats!=0){

/*load the kpd from libsys or override _600w_600d_903h_0hf.kpd */
var libsysxyz = "-1";var txyz = libsysxyz; cufile_defaults = cufile.toLowerCase();
if(cufile_defaults.indexOf(".kpd")!=-1){cufile_defaults=cufile_defaults.replace(/\.kpd/gi,"");}
try{
/*split _ values and build cufile_defaults as a rX formatted string*/
var xcufile_defaults = '';var ycufile_defaults='';
if(cufile_defaults.indexOf("_")!=-1){
xcufile_defaults = cufile_defaults.split("_");
var xwidth='';var xdepth='';var xheight='';var xheightfrom='';
for (var xcufile=0; xcufile<xcufile_defaults.length; xcufile++){
if(xcufile_defaults[xcufile].indexOf("w")!=-1){ var
xwidth=xcufile_defaults[xcufile].replace(/w/, ""); }
if(xcufile_defaults[xcufile].indexOf("d")!=-1){ var
xdepth=xcufile_defaults[xcufile].replace(/d/, ""); }
if(xcufile_defaults[xcufile].indexOf("h")!=-1 && xcufile_defaults[xcufile].indexOf("hf")==-1){ var
xheight=xcufile_defaults[xcufile].replace(/h/, ""); }
if(xcufile_defaults[xcufile].indexOf("hf")!=-1){ var
xheightfrom=xcufile_defaults[xcufile].replace(/hf/, ""); }
}
cufile_defaults="w"+xwidth+"d"+xdepth+"h"+xheight+"f"+xheightfrom+'s30';cuwidth=xwidth;cudepth=
xdepth;cuheight=xheight;cuheightfrom=xheightfrom;
}else{cufile_defaults='';}catch(e){}

/* use cufile to get vol files for next loop of vol files, fix kp2 override cufile to match rX
cufile */
if(cutup_machineit_kp2_override==true){
try{cufile=cufile.split("/")[(cufile.split("/").length-1)];}catch(e){}
try{cufile=cufile.split("\\\\")[(cufile.split("\\\\").length-1)];}catch(e){}
try{cufile=cufile.split(".kpd")[0];}catch(e){}
try{cufile=cufile.split(".KPD")[0];}catch(e){}
}

try{ eval("libsysxyz=parent_opener.kpd_" + cufile.split("_")[0].toLowerCase() +
"();");txyz=libsysxyz;}catch(e){}
try{ eval("libsysxyz=parent_opener.kpd_" + cufile.toLowerCase() + "();");txyz=libsysxyz;}catch(e){}
try{ eval("libsysxyz=kpd_" + cufile.split("_")[0].toLowerCase() + "();");txyz=libsysxyz;}catch(e){}
try{ eval("libsysxyz=kpd_" + cufile.toLowerCase() + "();");txyz=libsysxyz;}catch(e){}
libsysxyz = txyz;
if(libsysxyz=="-1"){cutup_machineit_errorcode('kpd_'+cufile+'_err=true;');}

/*load the kpd defaults from libsys or override */
if(cufile_defaults==''){ txyz = "-1";
try{ eval("cufile_defaults=parent_opener.kpd_" + cufile.split("_")[0].toLowerCase() +
"_default;");txyz=cufile_defaults;}catch(e){}
try{ eval("cufile_defaults=parent_opener.kpd_" + cufile.toLowerCase() +
"_default;");txyz=cufile_defaults;}catch(e){}
}

```

```

try{ eval("cufile_defaults=kpd_" + cufile.split("_")[0].toLowerCase() +
"_default;");txyz=cufile_defaults;}catch(e){}
try{ eval("cufile_defaults=kpd_" + cufile.toLowerCase() +
"_default;");txyz=cufile_defaults;}catch(e){}
cufile_defaults = txyz;
if(cufile_defaults=="-1")
{cufile_defaults='';cutup_machineit_errorcode('kpd_'+cufile+'_default_err=true;');cufile_defaults='';}
}

/*loop this until bad value, for each item in kpd*/
/*get kpd file record name of [0] ini value for addon, get vol file name*/

var maxkpdvolfileloop = 65535;
try{ eval("maxkpdvolfileloop = libsysxyz.File[0].Items;"); }catch(e){maxkpdvolfileloop = 0;}
for (var kpdvolfileloop=1; kpdvolfileloop<=maxkpdvolfileloop; kpdvolfileloop++){try{

/* do rX defaults here and set cu values for kpd part */
if(cufile_defaults!=""){try{
var xcufile_defaults = cufile_defaults.toLowerCase();
var ycufile_defaults='';
ycufile_defaults = xcufile_defaults.split("w")[1];
cuwidth = ycufile_defaults.split("d")[0];
ycufile_defaults = xcufile_defaults.split("d")[1];
cudepth = ycufile_defaults.split("h")[0];
ycufile_defaults = xcufile_defaults.split("h")[1];
cuheight = ycufile_defaults.split("f")[0];
ycufile_defaults = xcufile_defaults.split("f")[1];
cuheightfrom = ycufile_defaults.split("s")[0];
}catch(e){}}

var volfileexists=true;
try{var volfiletoget = ''; eval("volfiletoget =
libsysxyz["+eval("libsysxyz.File[0].i"+kpdvolfileloop)+""][0]._a");}catch(e){volfileexists=false;}
if(volfiletoget=="null"||volfiletoget=="NULL"){volfiletoget="null";volfileexists=false;}

/* part of rXshilo - load up each KPD REALsize value, send cufile_defaults and values below to
another function and use return value */
cutup_machineit_libsysW=cuwidth; try{eval("cutup_machineit_libsysW=
libsysxyz["+eval("libsysxyz.File[0].i"+kpdvolfileloop)+""][0]._W;");}catch(e){}
cutup_machineit_libsysD=cudepth; try{eval("cutup_machineit_libsysD=
libsysxyz["+eval("libsysxyz.File[0].i"+kpdvolfileloop)+""][0]._D;");}catch(e){}
cutup_machineit_libsysH=cuheight; try{eval("cutup_machineit_libsysH=
libsysxyz["+eval("libsysxyz.File[0].i"+kpdvolfileloop)+""][0]._H;");}catch(e){}
cutup_machineit_libsysHF=cuheightfrom; try{eval("cutup_machineit_libsysHF=
libsysxyz["+eval("libsysxyz.File[0].i"+kpdvolfileloop)+""][0]._HF;");}catch(e){}
cutup_machineit_libsysCC=cucost;
cutup_machineit_libsysCO=cucomments;try{eval("cutup_machineit_libsysCO=
libsysxyz["+eval("libsysxyz.File[0].i"+kpdvolfileloop)+""][0]._c;");}catch(e){}
if(cutup_machineit_libsysW != 0 && cutup_machineit_libsysW != "0")
{ if(Ismathstime(cutup_machineit_libsysW) == true) { cutup_machineit_libsysW =
mathstime(cuwidth,cutup_machineit_libsysW); }}else{ if (cutup_machineit_libsysW ==""||
cutup_machineit_libsysW == "0"||cutup_machineit_libsysW == 0){ cutup_machineit_libsysW = cuwidth; }}
if(cutup_machineit_libsysD != 0 && cutup_machineit_libsysD != "0")
{ if(Ismathstime(cutup_machineit_libsysD) == true) { cutup_machineit_libsysD =
mathstime(cudepth,cutup_machineit_libsysD); }}else{ if (cutup_machineit_libsysD ==""||
cutup_machineit_libsysD == "0"||cutup_machineit_libsysD == 0){ cutup_machineit_libsysD = cudepth; }}
if(cutup_machineit_libsysH != 0 && cutup_machineit_libsysH != "0")
{ if(Ismathstime(cutup_machineit_libsysH) == true) { cutup_machineit_libsysH =
mathstime(cuheight,cutup_machineit_libsysH); }}else{ if (cutup_machineit_libsysH ==""||
cutup_machineit_libsysH == "0"||cutup_machineit_libsysH == 0){ cutup_machineit_libsysH = cuheight; }}
if(cutup_machineit_libsysHF != 0 && cutup_machineit_libsysHF != "0")
{ if(Ismathstime(cutup_machineit_libsysHF) == true) { cutup_machineit_libsysHF =
mathstime(cuheightfrom,cutup_machineit_libsysHF); }}else{ if (cutup_machineit_libsysHF ==""||
cutup_machineit_libsysHF == "0"||cutup_machineit_libsysHF == 0){ cutup_machineit_libsysHF =
cuheightfrom; }}
if(cutup_machineit_libsysW=="") {cutup_machineit_libsysW=cuwidth;}
if(cutup_machineit_libsysD=="") {cutup_machineit_libsysD=cudepth;}
if(cutup_machineit_libsysH=="") {cutup_machineit_libsysH=cuheight;}
if(cutup_machineit_libsysHF=="") {cutup_machineit_libsysHF=cuheightfrom;}
if(cutup_machineit_libsysCC=="") {cutup_machineit_libsysCC=cucost;}
if(cutup_machineit_libsysCO=="") {cutup_machineit_libsysCO=cucomments;}

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```

if(volfileexists==true){ var lcnvfa = nvfa.toLowerCase();
if(lcnvfa.indexOf(volfiletoget.toLowerCase()+ '.vol')!=-1){
cutup_machineit_volfiletoget=volfiletoget;
document.getElementById('cutup_voleditor_selectvol_select').value = volfiletoget+ '.vol'; /* set
the vol file for next line */
try{if(cutup_machineit_voleditor_strict_case_match==false){
document.getElementById('cutup_voleditor_selectvol_select').value = volfiletoget.toLowerCase()+
'.vol'; /* set the vol file for next line, if not lc causes 100 to be carried over onto door.vol
from base infill.vol */
}}catch(e){}

/*make sure the correct selected vol file is listed on interface*/
try{if(cutup_machineit_html4_support==true){var cutupvoleditorselect =
document.getElementById('cutup_voleditor_selectvol_select');var
cutupvoleditorselectfile=volfiletoget+ '.vol';
for (var cudilen = 0; cudilen < cutupvoleditorselect.length; cudilen++) { var
curcutupvoleditorselect=cutupvoleditorselect[cudilen].value;
try{if(cutup_machineit_voleditor_strict_case_match==false)
{curcutupvoleditorselect=curcutupvoleditorselect.toLowerCase();cutupvoleditorselectfile=cutupvoledit
orselectfile.toLowerCase();}}catch(e){}
if (curcutupvoleditorselect == cutupvoleditorselectfile)
{ cutup_voleditor_save_record_nvfl=cudilen;cutupvoleditorselect[cudilen].selected =
true; }}}catch(e){}

document.getElementById('cutup_voleditor_record_count').value='0';
cutup_voleditor_reset();document.getElementById('cutup_voleditor_record_count').value='0';document.g
etElementById('cutup_voleditor_record_x').value='';document.getElementById('cutup_voleditor_record_y
').value='';

cutup_voleditor_openselectvol(); /* cutup_voleditor_record_count_item_check(); */ /* loads the
selected vol file at record 0*/
/*as the line above*/
cutup_voleditor_showdata(nvfl[cutup_voleditor_save_record_nvfl]);

/*do the math even if not seen or used */
try{if(cutup_machineit_voleditor_value_adding_display==true)
{TVolumeEditorEditXChange();TVolumeEditorEditYChange();TVolumeEditorXHeightFromChange();TVolumeEdito
rYHeightFromChange();}}catch(e){}

/*max volume records*/
var maxrecordsinvolfile = 1;
try{ maxrecordsinvolfile = cutup_voleditor_get_record_item_count(cutup_voleditor_save_record_nvfl)-
1; }catch(e){cutup_machineit_errorcode('maxrecordsinvolfile:'+e);}
/* volume search limit insurance error checking */
try{if(cutup_machineit_voleditor_error_check==true){for (var volfilelooptest=0;
volfilelooptest<cutup_machineit_voleditor_search_limit; volfilelooptest++)
{ if(nvfl[cutup_voleditor_save_record_nvfl].indexOf('['+volfilelooptest.toString()+']')!=-1)
{maxrecordsinvolfile = volfilelooptest;}}}}catch(e){}

for (var volfileloop=0; volfileloop<=maxrecordsinvolfile; volfileloop++){

cutup_voleditor_reset();
document.getElementById('cutup_voleditor_record_count').value = volfileloop;
document.getElementById('cutup_voleditor_record_x').value = '';
document.getElementById('cutup_voleditor_record_y').value = '';

/* get number for next line, updating this element will test vol file length */
cutup_voleditor_record_load(volfileloop); /* document element cutup_voleditor_record_count.value; if
cutup_voleditor_record_count_value does not match cutup_voleditor_record_count.value then have
reached end of vol file */

/* get kps if not kpm, search it and match data found in vol file - if needed adding size values
from kpd into output */
var kpsme = "";
if(kpskpmkpe==1)
{try{kpsme=cutup_machineit_text_line_return+document.getElementById('cutup_machineit_kpm_file').valu
e;}catch(e){}}
if(kpskpmkpe==0)
{try{kpsme=document.getElementById('cutup_machineit_kps_file').value;kpskpmkpe=1;}catch(e){}}

/*apply filters*/
var cmfcutup_machineit_voleditor_filter_cnc=cutup_machineit_voleditor_filter_cnc; var
cmfcutup_machineit_volfiletoget=cutup_machineit_volfiletoget;var cmfcucost=cucost;var
cmfcuwidth=cutup_machineit_libsysW;var cmfcudepth=cutup_machineit_libsysD;var
cmfcuheight=cutup_machineit_libsysH;var cmfcuheightfrom=cutup_machineit_libsysHF;
try{if(cutup_machineit_quicken_kp2size==true)
{cmfcuwidth=cuwidth;cmfcudepth=cudepth;cmfcuheight=cuheight;cmfcuheightfrom=cuheightfrom;}}catch(e)

```

```

{}
try{if(cutup_machineit_filter_enable==true && cutup_machineit_filter_data!=''){
if(cutup_machineit_filter_data.indexOf(';')!=-1){var cmfdfs=new
Array();if(cutup_machineit_filter_data.indexOf(';')!=-1)
{cmfdfs=cutup_machineit_filter_data.split(';')}
var cmfdfs=0; do { if(cmfdfs[cmfdfs]!=''){var lcmfdfs=new Array();
if(cmfdfs[cmfdfs].indexOf(',')!=-1){ lcmfdfs=cmfdfs[cmfdfs].split(',')};
if(lcmfdfs[0].toLowerCase()==cutup_machineit_volfiletogeto.toLowerCase() &&
lcmfdfs[1].toLowerCase()==(''+volfileloop) ) {
if(!mathstime(lcmfdfs[3])) { if(lcmfdfs[2].toLowerCase()== 'width'){ cutup_machineit_libsysW =
mathstime(cmfcuwidth,lcmfdfs[3]); }
if(lcmfdfs[2].toLowerCase()== 'depth'){ cutup_machineit_libsysD = mathstime(cmfcuheight,lcmfdfs[3]); }
if(lcmfdfs[2].toLowerCase()== 'height'){ cutup_machineit_libsysH = mathstime(cmfcuheight,lcmfdfs[3]); }
if(lcmfdfs[2].toLowerCase()== 'heightfrom'){ cutup_machineit_libsysHF =
mathstime(cmfcuheightfrom,lcmfdfs[3]); }}else{

if(lcmfdfs[3].indexOf('=')==-1){
if(lcmfdfs[2].toLowerCase()== 'width'){ cutup_machineit_libsysW =
(lcmfdfs[3]*1)+cutup_machineit_libsysW; }
if(lcmfdfs[2].toLowerCase()== 'depth'){ cutup_machineit_libsysD =
(lcmfdfs[3]*1)+cutup_machineit_libsysD; }
if(lcmfdfs[2].toLowerCase()== 'height'){ cutup_machineit_libsysH =
(lcmfdfs[3]*1)+cutup_machineit_libsysH; }
if(lcmfdfs[2].toLowerCase()== 'heightfrom'){ cutup_machineit_libsysHF =
(lcmfdfs[3]*1)+cutup_machineit_libsysHF; }}else{
if(lcmfdfs[2].toLowerCase()== 'width'){ cutup_machineit_libsysW = lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'depth'){ cutup_machineit_libsysD = lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'height'){ cutup_machineit_libsysH = lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'heightfrom'){ cutup_machineit_libsysHF = lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'tag')
{document.getElementById('cutup_voleditor_record_tag').value=lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'edge')
{document.getElementById('cutup_voleditor_record_edge').value=lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'material')
{document.getElementById('cutup_voleditor_record_material').value=lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'tag')
{document.getElementById('cutup_voleditor_record_tag').value=lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'cost'){cucost=lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'code'){cutup_machineit_volfiletogeto=lcmfdfs[3].replace(/\/, ""); }
if(lcmfdfs[2].toLowerCase()== 'cncctag')
{cutup_machineit_voleditor_filter_cnc=lcmfdfs[3].replace(/\/, ""); }
}
}
if(lcmfdfs[2].toLowerCase()== 'rotation'&&lcmfdfs[3]=='90'){ cucutstatus_r90=true; }
if(lcmfdfs[2].toLowerCase()== 'rotation'&&lcmfdfs[3].toLowerCase()== 'rips'){ cucutstatus_rips=true; }
if(lcmfdfs[2].toLowerCase()== 'rotation'&&lcmfdfs[3].toLowerCase()== 'docs'){ cucutstatus_docs=true; }
}}
cmfdfs=cmfdfs+1; } while(cmfdfs[cmfdfs]);}}catch(e){}

/* return kpsmeprocessed to output string*/
var cutup_machineit_kpsmeprocessed = cutup_machineit_cpp_GoScript(kpsme);
cutup_machineit_kpsmeprocessed_count = cutup_machineit_kpsmeprocessed_count +1;
/*do inline [pos] and [run] commands after GoScript processing, cleanup*/

/* strict search */
try{if(cutup_machineit_command_test==false){
if(cutup_machineit_kpsmeprocessed_.indexOf("[RUN]")!=-1)
{cutup_machineit_kpsmeprocessed_=cutup_machineit_kpsmeprocessed_.replace(/\[RUN\]/gi,"[RUN]");}
if(cutup_machineit_kpsmeprocessed_.indexOf("[POS]")!=-1)
{cutup_machineit_kpsmeprocessed_=cutup_machineit_kpsmeprocessed_.replace(/\[POS\]/gi,"[POS]");}
}}catch(e){}

/* Normal repeater */
try{if(cutup_machineit_repeater_normal==true){
if(cutup_machineit_kpsmeprocessed_.indexOf("[RUN]")!=-1)
{cutup_machineit_kpsmeprocessed_=cutup_machineit_kpsmeprocessed_.replace(/\[RUN\]/,volfileloop);}
if(cutup_machineit_kpsmeprocessed_.indexOf("[POS]")!=-1)
{cutup_machineit_kpsmeprocessed_=cutup_machineit_kpsmeprocessed_.replace(/
\[POS\]/,cutup_machineit_kpsmeprocessed_count);}
/*perform more curepeat modifications with returned data*/
if(curepeats!="1" && curepeats!=1 && curepeats!="0" && curepeats!=0){var
cutup_machineit_kpsmeprocessed_2='';
for (var curepeatsloop2=2; curepeatsloop2<=curepeats; curepeatsloop2++){kpskpmkpe=1;
kpsme=cutup_machineit_text_line_return+document.getElementById('cutup_machineit_kpm_file').value;
cutup_machineit_kpsmeprocessed_2 = cutup_machineit_cpp_GoScript(kpsme);
cutup_machineit_kpsmeprocessed_count = cutup_machineit_kpsmeprocessed_count +1;
/* strict search */
try{if(cutup_machineit_command_test==false){

```

```

if(cutup_machineit_kpsmeprocessed_2.indexOf("[RUN]")!=-1)
{cutup_machineit_kpsmeprocessed_2=cutup_machineit_kpsmeprocessed_2.replace(/\[RUN\]/gi,"[RUN]");}
if(cutup_machineit_kpsmeprocessed_2.indexOf("[POS]")!=-1)
{cutup_machineit_kpsmeprocessed_2=cutup_machineit_kpsmeprocessed_2.replace(/\[POS\]/gi,"[POS]");}
} catch(e){}
if(cutup_machineit_kpsmeprocessed_2.indexOf("[RUN]")!=-1)
{cutup_machineit_kpsmeprocessed_2=cutup_machineit_kpsmeprocessed_2.replace(/\[RUN\]/,volfileloop);}
if(cutup_machineit_kpsmeprocessed_2.indexOf("[POS]")!=-1)
{cutup_machineit_kpsmeprocessed_2=cutup_machineit_kpsmeprocessed_2.replace(/\[POS\]/,cutup_machineit_kpsmeprocessed_count);}
cutup_machineit_kpsmeprocessed_=cutup_machineit_kpsmeprocessed_+cutup_machineit_kpsmeprocessed_2;
}} catch(e){}

/*curepeats=1, modify all data*/
if(cutup_machineit_kpsmeprocessed_.indexOf("[RUN]")!=-1)
{cutup_machineit_kpsmeprocessed_=cutup_machineit_kpsmeprocessed_.replace(/\[RUN\]/g,volfileloop);}
if(cutup_machineit_kpsmeprocessed_.indexOf("[POS]")!=-1)
{cutup_machineit_kpsmeprocessed_=cutup_machineit_kpsmeprocessed_.replace(/\[POS\]/g,cutup_machineit_kpsmeprocessed_count);}
cutup_machineit_kpsmeprocessed=cutup_machineit_kpsmeprocessed+cutup_machineit_kpsmeprocessed_;

/*restore filtered values*/
try{if(cutup_machineit_filter_enable==true)
{cutup_machineit_libsysW=cmfcuwidth;cutup_machineit_libsysD=cmfcudepth;cutup_machineit_libsysH=cmfcu
height;cutup_machineit_libsysHF=cmfcuheightfrom;cucost=cmfcucost;cutup_machineit_voeditor_filter_cn
c=cmfcutup_machineit_voeditor_filter_cnc;
cutup_machineit_volfiletoget=cmfcutup_machineit_volfiletoget;}
try{if(cutup_machineit_quicken_kp2size==true)
{cuwidth=cmfcuwidth;cudepth=cmfcudepth;cuheight=cmfcuheight;cuheightfrom=cmfcuheightfrom;}}catch(e)
{} } catch(e){}
try{if(cutup_machineit_filter_rotation_reset==true)
{cucutstatus_r90=false;cucutstatus_docs=false;cucutstatus_rips=false;}}catch(e){}

}

/* for loop volfileloop ends */
}
/*if lcnfa.indexOf ends*/
}
/*if volfileexists==true ends*/
} catch(e){kpdvolfileloop=cutup_machineit_voeditor_search_limit;}} /*for loop kpdvolfileloop ends*/
} else{ /*end of KP2 file*/
KGCruncount=KGCRPCLAJAX+1; }} /* for loop KGCruncount ends */
/*close loop and produce final out*/
cutup_machineit_cpp_terminate(kpskpmkpe);
}

/*URunner.cpp conversion to javascript with modifications for cutup html*/
function cutup_machineit_cpp_GoScript(valrx){if(!valrx){var valrx='';}

var cutup_machineit_cpp_xx=0;var cutup_machineit_cpp_yy=0;

/*todo: call something now to process the voeditor values with cuwidth cudepth cuheight
cuheightfrom where {value} is defined on x and y, do math and enter values at
cutup_machineit_cpp_xx=0 and cutup_machineit_cpp_yy=0;*/
var xuy = 0; var xuywidth=0; var xuydepth=0; var xuyheight=0; var xuyheightfrom=0;
var xux = 0; var xuxwidth=0; var xuxdepth=0; var xuxheight=0; var xuxheightfrom=0;

/*search vol records for data*/
if(document.getElementById('cutup_voeditor_record_y').value!='')
{xuy=document.getElementById('cutup_voeditor_record_y').value;}
if(document.getElementById('cutup_voeditor_record_ywidth').value!='')
{xuywidth=document.getElementById('cutup_voeditor_record_ywidth').value;}
if(document.getElementById('cutup_voeditor_record_ydepth').value!='')
{xuydepth=document.getElementById('cutup_voeditor_record_ydepth').value;}
if(document.getElementById('cutup_voeditor_record_yheight').value!='')
{xuyheight=document.getElementById('cutup_voeditor_record_yheight').value;}
if(document.getElementById('cutup_voeditor_record_yheightfrom').value!='')
{xuyheightfrom=document.getElementById('cutup_voeditor_record_yheightfrom').value;}
if(document.getElementById('cutup_voeditor_record_x').value!='')
{xux=document.getElementById('cutup_voeditor_record_x').value;}
if(document.getElementById('cutup_voeditor_record_xwidth').value!='')
{xuxwidth=document.getElementById('cutup_voeditor_record_xwidth').value;}
if(document.getElementById('cutup_voeditor_record_xdepth').value!='')
{xuxdepth=document.getElementById('cutup_voeditor_record_xdepth').value;}
if(document.getElementById('cutup_voeditor_record_xheight').value!='')
{xuxheight=document.getElementById('cutup_voeditor_record_xheight').value;}
if(document.getElementById('cutup_voeditor_record_xheightfrom').value!='')

```

```

{xuxheightfrom=document.getElementById('cutup_voleditor_record_xheightfrom').value;}

/*toString*/
xuy=xuy+',xuywidth=xuywidth+',xuyheight=xuyheight+',xuyheightfrom=xuyheightfrom+',xuydepth=xuxde
pth+';
xux=xux+',xuxwidth=xuxwidth+',xuxheight=xuxheight+',xuxheightfrom=xuxheightfrom+',xuxdepth=xuxde
pth+';

/*get defaults if 0mm from cufile_defaults */
var xcuwidth=cutup_machineit_libsysW;
var xcudepth=cutup_machineit_libsysD;
var xcuheightfrom=cutup_machineit_libsysHF;
var xcuheight=cutup_machineit_libsysH;

/*allows quicken 1.10 mode, for using kp2 sizes only */
try{if (cutup_machineit_quicken_kp2size==true){
xcuwidth=cuwidth;
xcudepth=cudepth;
xcuheightfrom=cuheightfrom;
xcuheight=cuheight;
}}catch(e){}

/*search and swap [value] to data - done in specific order to have x and y*/
if (xux=="[value]") {xux=0;}
if (xuxheight=="[value]") {xuxheight=xcuheight;xuxwidth='0';xuxdepth='0';}
if (xuxwidth=="[value]") {xuxwidth=xcuwidth;xuxdepth='0';xuxheight='0';}
if (xuxdepth=="[value]") {xuxdepth=xcudepth;xuxwidth='0';xuxheight='0';}
if (xuxheightfrom=="[value]") {xuxheightfrom=xcuheightfrom;}
if (xuy=="[value]") {xuy=0;}
if (xuyheight=="[value]") {xuyheight=xcuheight;xuywidth='0';xuydepth='0';}
if (xuywidth=="[value]") {xuywidth=xcuwidth;xuydepth='0';xuyheight='0';}
if (xuydepth=="[value]") {xuydepth=xcudepth;xuywidth='0';xuyheight='0';}
if (xuyheightfrom=="[value]") {xuyheightfrom=xcuheightfrom;}

/*math processing, toMath*/
try{cutup_machineit_cpp_xx = (0+(xux*1)+(xuxwidth*1)+(xuxdepth*1)+(xuxheight*1))-
(xuxheightfrom*1);}catch(e){cutup_machineit_cpp_xx='0';}
try{cutup_machineit_cpp_yy = (0+(xuy*1)+(xuywidth*1)+(xuydepth*1)+(xuyheight*1))-
(xuyheightfrom*1);}catch(e){cutup_machineit_cpp_yy='0';}

/*565 error checking - deletes line, also deletes NaN's */
try{if (cutup_machineit_maths_check==true){if (cutup_machineit_cpp_yy==0 ||
cutup_machineit_cpp_yy=='0' || !cutup_machineit_cpp_yy || cutup_machineit_cpp_xx==0 ||
cutup_machineit_cpp_xx=='0' || !cutup_machineit_cpp_xx )
{valrx='';cutup_machineit_kpsmeprocessed_count=cutup_machineit_kpsmeprocessed_count - 1;}}catch(e)
{}
/*remove negatives*/
try{var cutup_machineit_mathsremoved=false;if (cutup_machineit_maths_removenegatives==true)
{try{cutup_machineit_cpp_xx =
cutup_machineit_cpp_xx.toString();if (cutup_machineit_cpp_xx.indexOf("-")!=-1){cutup_machineit_cpp_xx
= cutup_machineit_cpp_xx.replace(/\/-\/gi,"");cutup_machineit_mathsremoved=true;}}catch(e){}
try{cutup_machineit_cpp_yy =
cutup_machineit_cpp_yy.toString();if (cutup_machineit_cpp_yy.indexOf("-")!=-1){cutup_machineit_cpp_yy
= cutup_machineit_cpp_yy.replace(/\/-\/gi,"");cutup_machineit_mathsremoved=true;}}catch(e){}
if (cutup_machineit_mathsremoved==true)
{cutup_machineit_kpsmeprocessed_negcount=cutup_machineit_kpsmeprocessed_negcount + 1;}}catch(e){}
/*debug*/
try{if (cutup_machineit_debugmath_string){cutup_machineit_debugmath_string =
cutup_machineit_debugmath_string+ ' (0+('+xux+'*1)+('+xuxwidth+'*1)+('+xuxdepth+'*1)+
('+xuxheight+'*1))-('+xuxheightfrom+'*1); '+'\r\n' + ' (0+('+xuy+'*1)+('+xuywidth+'*1)+
('+xuydepth+'*1)+('+xuyheight+'*1))-('+xuyheightfrom+'*1); '+'\r\n";}}catch(e){}
/*filter rotations*/
if ((cucutstatus_rips==true||
cutup_machineit_filter_enable_ripsonall==true)&&cutup_machineit_filter_disable_ripsonall==false)
{ var rr90x= cutup_machineit_cpp_xx; if ((rr90x*1) >= (cutup_machineit_cpp_yy*1))
{cutup_machineit_cpp_xx = cutup_machineit_cpp_yy; cutup_machineit_cpp_yy = rr90x; }}
if ((cucutstatus_docs==true||
cutup_machineit_filter_enable_docsonall==true)&&cutup_machineit_filter_disable_docsonall==false)
{ var rr90x= cutup_machineit_cpp_xx; if ((rr90x*1) <= (cutup_machineit_cpp_yy*1))
{cutup_machineit_cpp_xx = cutup_machineit_cpp_yy; cutup_machineit_cpp_yy = rr90x; }}
if (cucutstatus_r90==true&&cutup_machineit_filter_disable_90onall==false){ var rr90x=
cutup_machineit_cpp_xx; cutup_machineit_cpp_xx = cutup_machineit_cpp_yy; cutup_machineit_cpp_yy =
rr90x; }

/* strict search */

```

```

try{if(cutup_machineit_command_test==false){
if(valrx.match(/\[WIDTH\]/i)){valrx=valrx.replace(/\[WIDTH\]/gi,"[WIDTH]");}
if(valrx.match(/\[DEPTH\]/i){valrx=valrx.replace(/\[DEPTH\]/gi,"[DEPTH]");}
if(valrx.match(/\[HEIGHTFROM\]/i){valrx=valrx.replace(/\[HEIGHTFROM\]/gi,"[HEIGHTFROM]");}
if(valrx.match(/\[HEIGHT\]/i){valrx=valrx.replace(/\[HEIGHT\]/gi,"[HEIGHT]");}
if(valrx.match(/\[COST\]/i){valrx=valrx.replace(/\[COST\]/gi,"[COST]");}
if(valrx.match(/\[COMMENT\]/i){valrx=valrx.replace(/\[COMMENT\]/gi,"[COMMENTS]");}
if(valrx.match(/\[COMMENTS\]/i){valrx=valrx.replace(/\[COMMENTS\]/gi,"[COMMENTS]");}
if(valrx.match(/\[PARTNAME\]/i){valrx=valrx.replace(/\[PARTNAME\]/gi,"[PARTNAME]");}
if(valrx.match(/\[NAME\]/i){valrx=valrx.replace(/\[NAME\]/gi,"[NAME]");}
if(valrx.match(/\[CODE\]/i){valrx=valrx.replace(/\[CODE\]/gi,"[CODE]");}
if(valrx.match(/\[TAG\]/i){valrx=valrx.replace(/\[TAG\]/gi,"[TAG]");}
if(valrx.match(/\[MATERIAL\]/i){valrx=valrx.replace(/\[MATERIAL\]/gi,"[MATERIAL]");}
if(valrx.match(/\[EDGE\]/i){valrx=valrx.replace(/\[EDGE\]/gi,"[EDGE]");}
/*HTML5 version*/
if(valrx.match(/\[REPEATS\]/i){valrx=valrx.replace(/\[REPEATS\]/gi,"[REPEATS]");}
if(valrx.match(/\[ID\]/i){valrx=valrx.replace(/\[ID\]/gi,"[ID]");}
if(valrx.match(/\[JOBNUMBER\]/i){valrx=valrx.replace(/\[JOBNUMBER\]/gi,"[JOBNUMBER]");}
if(valrx.match(/\[CLIENTNAME\]/i){valrx=valrx.replace(/\[CLIENTNAME\]/gi,"[CLIENTNAME]");}
if(valrx.match(/\[FILE\]/i){valrx=valrx.replace(/\[ID\]/gi,"[FILE]");}
/*EXTRA*/
if(valrx.indexOf("[CNC"]!=-1){
if(valrx.match(/\[CNCTAG\]/i){valrx=valrx.replace(/\[CNCTAG\]/gi,"[CNCTAG]");}
if(valrx.match(/\[CNCPARTNAME\]/i){valrx=valrx.replace(/\[CNCPARTNAME\]/gi,"[CNCPARTNAME]");}
if(valrx.match(/\[CNCNAME\]/i){valrx=valrx.replace(/\[CNCNAME\]/gi,"[CNCNAME]");}
if(valrx.match(/\[CNCCODE\]/i){valrx=valrx.replace(/\[CNCCODE\]/gi,"[CNCCODE]");}
}}catch(e){}

/*search replace values, 1.10 with limited 2.20 support*/
if(valrx.indexOf("[CNC"]!=-1){
if(valrx.indexOf("[CNCPARTNAME"]!=-1){valrx=valrx.replace(/\[CNCPARTNAME\]/g,"[CNCTAG]");}
if(valrx.indexOf("[CNCNAME"]!=-1){valrx=valrx.replace(/\[CNCNAME\]/g,"[CNCTAG]");}
if(valrx.indexOf("[CNCCODE"]!=-1){valrx=valrx.replace(/\[CNCCODE\]/g,"[CNCTAG]");}
if(valrx.indexOf("[CNCTAG"]!=-1){valrx=valrx.replace(/\[CNCTAG\]/g,cutup_machineit_voeditor_filter_cnc);}
try{if(cutup_machineit_voeditor_filter_cnc_tagging==true){ if(valrx.indexOf("[TAG"]!=-1)
{valrx=valrx.replace(/\[TAG\]/g,cutup_machineit_voeditor_filter_cnc);} }catch(e){}
if(valrx.indexOf("[WIDTH"]!=-1){valrx=valrx.replace(/\[WIDTH\]/g,cutup_machineit_cpp_xx);}
if(valrx.indexOf("[HEIGHTFROM"]!=-1){valrx=valrx.replace(/\[HEIGHTFROM\]/g,xcuheightfrom);}
if(valrx.indexOf("[COST"]!=-1){valrx=valrx.replace(/\[COST\]/g,cucost);}
if(valrx.indexOf("[COMMENT"]!=-1){valrx=valrx.replace(/\[COMMENT\]/g,"[COMMENTS]");}
if(valrx.indexOf("[COMMENTS"]!=-1){valrx=valrx.replace(/\[COMMENTS\]/g,cucumments);}
if(valrx.indexOf("[HEIGHT"]!=-1){valrx=valrx.replace(/\[HEIGHT\]/g,cutup_machineit_cpp_yy);}
if(valrx.indexOf("[DEPTH"]!=-1){valrx=valrx.replace(/\[DEPTH\]/g,xcudepth);}
if(valrx.indexOf("[PARTNAME"]!=-1){valrx=valrx.replace(/\[PARTNAME\]/g,"[TAG]");}
if(valrx.indexOf("[NAME"]!=-1){valrx=valrx.replace(/\[NAME\]/g,"[TAG]");}
if(valrx.indexOf("[CODE"]!=-1){var
vvalrx='[TAG]';try{vvalrx=cutup_machineit_vofiletogete;}catch(e){}
valrx=valrx.replace(/\[CODE\]/g,vvalrx);}
if(valrx.indexOf("[TAG"]!=-1)
{if(document.getElementById('cutup_voeditor_record_tag').value!=''){valrx=valrx.replace(/\[TAG\]/g,document.getElementById('cutup_voeditor_record_tag').value);}else{valrx=valrx.replace(/\[TAG\]/g,"");}
if(valrx.indexOf("[MATERIAL"]!=-1)
{if(document.getElementById('cutup_voeditor_record_material').value!=''){valrx=valrx.replace(/\[MATERIAL\]/g,document.getElementById('cutup_voeditor_record_material').value);}else{valrx=valrx.re
place(/\[MATERIAL\]/g,"");}
if(valrx.indexOf("[COST"]!=-1)
{if(document.getElementById('cutup_voeditor_record_cost').value!=''){valrx=valrx.replace(/\[COST\]/g,document.getElementById('cutup_voeditor_record_cost').value);}else{valrx=valrx.replace(/\[COST\]/g,"");}
if(valrx.indexOf("[EDGE"]!=-1)
{if(document.getElementById('cutup_voeditor_record_edge').value!=''){valrx=valrx.replace(/\[EDGE\]/g,document.getElementById('cutup_voeditor_record_edge').value);}else{valrx=valrx.replace(/\[EDGE\]/g,"");}
}
/*HTML5 version*/
if(valrx.indexOf("[REPEATS"]!=-1){valrx=valrx.replace(/\[REPEATS\]/g,curepleats);}
if(valrx.indexOf("[ID"]!=-1){valrx=valrx.replace(/\[ID\]/g,cuid);}
if(valrx.indexOf("[JOBNUMBER"]!=-1){valrx=valrx.replace(/\[JOBNUMBER\]/g,cujobnumber);}
if(valrx.indexOf("[CLIENTNAME"]!=-1){valrx=valrx.replace(/\[CLIENTNAME\]/g,cuclientname);}
if(valrx.indexOf("[FILE"]!=-1){valrx=valrx.replace(/\[FILE\]/g,cukp2file);}
/***** else statement needs to go here - for WIDTEXT support in 2.20 *****/

/*copy replaced values, quick*/
try{if(curepeats!="1" && curepeats!=1 && curepeats!="0" && curepeats!=0 &&
cutup_machineit_repeater_quicken==true){var valrx2=valrx;
for (var curepeatsloop=2; curepeatsloop<=curepeats; curepeatsloop++){valrx2=valrx2+"\r\n"+valrx}
}
}

```

```

valrx=valrx2;}else{if(curepeats!="0" || curepeats!=0){varlrx='';}}catch(e){}

/*return final output*/
return valrx;
}

/*finish of loading and processing for KP2 and rX versions*/
function cutup_machineit_cpp_terminate(kpskpmkpe){
/* append kpe, end */
if(kpskpmkpe==1)
{try{cutup_machineit_kpsmeprocessed=cutup_machineit_kpsmeprocessed+cutup_machineit_text_line_return+
document.getElementById('cutup_machineit_kpe_file').value;kpskpmkpe=2;}catch(e){}}

/* strict search */
try{if(cutup_machineit_command_test==false){if(cutup_machineit_kpsmeprocessed.indexOf("[COUNT]")!==-
1){cutup_machineit_kpsmeprocessed=cutup_machineit_kpsmeprocessed.replace(/\
[COUNT\]/gi,"[COUNT]");}}catch(e){}}

/*reprocess output string for [count] and the like if needed*/
if(cutup_machineit_kpsmeprocessed.indexOf("[COUNT]")!==-1){var
cutup_machineit_kpsmeprocessed_countt=cutup_machineit_kpsmeprocessed_count-
cutup_machineit_kpsmeprocessed_delcount;
cutup_machineit_kpsmeprocessed=cutup_machineit_kpsmeprocessed.replace(/\
[COUNT\]/g,cutup_machineit_kpsmeprocessed_countt);}
if(cutup_machineit_kpsmeprocessed.indexOf("[NEGCOUNT]")!==-1)
{cutup_machineit_kpsmeprocessed=cutup_machineit_kpsmeprocessed.replace(/\
[NEGCOUNT\]/g,cutup_machineit_kpsmeprocessed_negcount);}
if(cutup_machineit_kpsmeprocessed.indexOf("[DELCOUNT]")!==-1)
{cutup_machineit_kpsmeprocessed=cutup_machineit_kpsmeprocessed.replace(/\
[DELCOUNT\]/g,cutup_machineit_kpsmeprocessed_delcount);}
/* at end of kpd file get kpe */
/*add kpe and process if needed to output string*/
try{document.getElementById('cutup_machineit_text_file').value=cutup_machineit_kpsmeprocessed;if(cut
up_machineit_rX_print_output==true){
var cmpose=cutup_machineit_kpsmeprocessed; if(cutup_machineit_printer_output_br!="\r\n")
{cmpose.replace(/([\r\n|\r|\n])/g,""+cutup_machineit_printer_output_br);}
document.getElementById('cutup_machineit_rX_print_output').innerHTML=cutup_machineit_printer_output
start+cmpose+cutup_machineit_printer_output_end;}}catch(e){}}

/*select text when clicked*/
function cutup_machineit_text_select(cutup_machineit_text_obj){if(cutup_machineit_text_obj)
{try{cutup_machineit_text_obj.select();}catch(e){}}
try{cutup_machineit_text_select.setSelectionRange(0, this.value.length);}catch(e){}}

/*update vol changes, not really needed but included*/
function cutup_machineit_record_ywidth_onchange()
{try{if(cutup_machineit_record_nochange_check==true&&document.getElementById('cutup_voeditor_record
_ywidth').value=='[value]')
{document.getElementById('cutup_voeditor_record_ydepth').value='';document.getElementById('cutup_vo
editor_record_yheight').value='';}}catch(e){}}
function cutup_machineit_record_ydepth_onchange()
{try{if(cutup_machineit_record_nochange_check==true&&document.getElementById('cutup_voeditor_record
_ydepth').value=='[value]')
{document.getElementById('cutup_voeditor_record_ywidth').value='';document.getElementById('cutup_vo
editor_record_yheight').value='';}}catch(e){}}
function cutup_machineit_record_yheight_onchange()
{try{if(cutup_machineit_record_nochange_check==true&&document.getElementById('cutup_voeditor_record
_yheight').value=='[value]')
{document.getElementById('cutup_voeditor_record_ydepth').value='';document.getElementById('cutup_vo
editor_record_ywidth').value='';}}catch(e){}}
function cutup_machineit_record_xwidth_onchange()
{try{if(cutup_machineit_record_nochange_check==true&&document.getElementById('cutup_voeditor_record
_xwidth').value=='[value]')
{document.getElementById('cutup_voeditor_record_xdepth').value='';document.getElementById('cutup_vo
editor_record_xheight').value='';}}catch(e){}}
function cutup_machineit_record_xdepth_onchange()
{try{if(cutup_machineit_record_nochange_check==true&&document.getElementById('cutup_voeditor_record
_xdepth').value=='[value]')
{document.getElementById('cutup_voeditor_record_xwidth').value='';document.getElementById('cutup_vo
editor_record_xheight').value='';}}catch(e){}}
function cutup_machineit_record_xheight_onchange()
{try{if(cutup_machineit_record_nochange_check==true&&document.getElementById('cutup_voeditor_record
_xheight').value=='[value]')
{document.getElementById('cutup_voeditor_record_xdepth').value='';document.getElementById('cutup_vo
editor_record_xwidth').value='';}}catch(e){}}

```



```

/*hide button if rX is running*/
try{if (isrXrunning==true||isrXrunning=='true'||isrXrunning5==true||isrXrunning5=='true'||
isrXrunning3==true||isrXrunning3=='true'){
document.getElementById('cutup_machineit_rX_load_button').style='display:block;visibility:visible;';
document.getElementById('cutup_machineit_rX_load_button').style.display='block';document.getElementB
yId('cutup_machineit_rX_load_button').style.visibility='visible';
}}catch(e){}

/* rX default.json function missing after running processing, attempt to correct the issue */
try{ eval("parent_opener.kpd_default=new Object();");eval("parent_opener.vrml97_default=new
Object();");eval("parent_opener.pdf11_default=new Object();");}catch(e){}
try{ eval('parent_opener.kpd_default.json=function(){return
"";});eval('parent_opener.vrml97_default.json=function(i,v,t,l,w,d,h,f,r,g){return
"";});eval('parent_opener.pdf11_default.json=function(x,i,W,D){return "|0";});}catch(e){}

/* form open and save with guiclient */
function cutup_testguiclient(){ try{if(ChromeBrowser=="guiclient.exe")
{document.getElementById('cutup_machineit_guiclient_save_button_div').style="display:block;visibilit
y:visible;";document.getElementById('cutup_machineit_guiclient_save_button_div').style.display="bloc
k";document.getElementById('cutup_machineit_guiclient_save_button_div').style.visibility="visible";}
}catch(e){}
try{if(ChromeBrowser=="guiclient.exe")
{document.getElementById('cutup_machineit_guiclient_kp2_button_div').style="display:block;visibility
:visible;";document.getElementById('cutup_machineit_guiclient_kp2_button_div').style.display="block"
;document.getElementById('cutup_machineit_guiclient_kp2_button_div').style.visibility="visible";}ca
tch(e){}
try{if(cutup_machineit_rX_print_output==true)
{document.getElementById('cutup_machineit_rX_print_button_div').style="display:block;visibility:visi
ble;";document.getElementById('cutup_machineit_rX_print_button_div').style.display="block";document.
getElementById('cutup_machineit_rX_print_button_div').style.visibility="visible";}catch(e){}
try{ setTimeout('cutup_testguiclient();',5000); setTimeout('cutup_testguiclient();',9000);
document.writeln('<div id="cutup_machineit_rX_print_button_div"
style="display:none;visibility:hidden"><form name="cutup_machineit_rX_print_button_div_form"
action="#print" method="GET"><div id="cutup_machineit_rX_print_button_divinner" ><input
id="cutup_machineit_rX_print_button" name="cutup_machineit_rX_print_button" value="Print Results"
onclick="print();return false;" type="button"></input></div></form></div>');
document.writeln('<div id="cutup_machineit_guiclient_kp2_button_div"
style="display:none;visibility:hidden"><form name="cutup_machineit_guiclient_kp2_button_div_form"
action="#open" method="GET"><div id="cutup_machineit_guiclient_kp2_button_divinner" ><input
id="cutup_machineit_guiclient_kp2_button" name="cutup_machineit_guiclient_kp2_button" value="Open
*.KP2 file" onclick="cutup_machineit_guiclient_kp2();return false;"
type="button"></input></div></form></div>');
document.writeln('<div id="cutup_machineit_guiclient_save_button_div"
style="display:none;visibility:hidden"><form name="cutup_machineit_guiclient_save_button_div_form"
action="#save" method="GET"><div id="cutup_machineit_guiclient_save_button_divinner" ><input
id="cutup_machineit_guiclient_save_button" name="cutup_machineit_guiclient_save_button" value="Save
Page" onclick="cutup_machineit_guiclient_save();return false;"
type="button"></input></div></form></div>');
}catch(e){}

/* guiclient helper functions */
function cutup_machineit_guiclient_save(){ try{if(ChromeBrowser=="guiclient.exe"){var
kiowin=window.open('http://cgi-bin/kitcadi3_kp2.cgi','','_blank');if(kiowin)
{kiowin.close();}}catch(e){}
function cutup_machineit_guiclient_kp2(){ try{if(ChromeBrowser=="guiclient.exe"){var
koiwin=window.open('http://www.kitchenpages.com/cgi-bin/kitcadi3_rXopen.cgi','','_blank');if(koiwin)
{koiwin.close();}}catch(e){}
function ChromeBrowserLoadkp2file(){ChromeBrowserLoadkp2filept2();}
function ChromeBrowserLoadkp2filept2(){try{if(kp2loaddata!='undefined'&&kp2loaddata!='')
{try{ if(kp2loaddata.indexOf('<text' + 'area name=data id=content rows=40 cols=80>')!=-1)
{ kp2loaddata=kp2loaddata.split('<text' + 'area name=data id=content rows=40 cols=80>')[1];}
if(kp2loaddata.indexOf('</text'+ 'area>')!=-1){ kp2loaddata=kp2loaddata.split('</text'+ 'area>')
[0];}catch(e){}
document.getElementById('cutup_machineit_kp2_file').value=kp2loaddata.replace(/(\[!\
EOL!\])/g,"\\r\\n");}}catch(e){}

/*Global, libsysi3 part real size values*/
var cutup_machineit_libsysW='';var cutup_machineit_libsysD='';var cutup_machineit_libsysH='';var
cutup_machineit_libsysHF='';cutup_machineit_libsysCC='';cutup_machineit_libsysCO='';

/*Global, Final output*/
var cutup_machineit_kpsmeprocessed = '';
var cutup_machineit_kpsmeprocessed_count = 0; var cutup_machineit_kpsmeprocessed_negcount = 0; var
cutup_machineit_kpsmeprocessed_delcount = cutup_machineit_kpsmeprocessed_count;
var cutup_machineit_kpsmeprocessed_count_start = cutup_machineit_kpsmeprocessed_count; var
cutup_machineit_kpsmeprocessed_negcount_start = cutup_machineit_kpsmeprocessed_negcount;

```

```

/*from KitCAD i3 KGC r3, r5, rX - default is 50*/
var KGCRPCLAJAX = 50;

/*like grep, but is filter*/
var cutup_machineit_filter_data = '';
var cutup_machineit_filter_enable = true;
var cutup_machineit_voeditor_filter_cnc = '[TAG]-[JOBNUMBER]-[ID]-[POS]-[RUN]';
var cutup_machineit_voeditor_filter_cnc_tagging = false;
var cutup_machineit_filter_rotation_reset = true;

/*global rips and docs override for ALL processed object items and vol records, default is false */
var cutup_machineit_filter_enable_ripsonall = false;
var cutup_machineit_filter_enable_docsonall = false;
var cutup_machineit_filter_disable_ripsonall = false;
var cutup_machineit_filter_disable_docsonall = false;
var cutup_machineit_filter_disable_90onall = false;

/*repeat lines, quicken default is false, normal default is true; uncomment if required*/
// var cutup_machineit_repeater_quicken = false;
var cutup_machineit_repeater_normal = true;

/* .vol file record checking when end-user interface value onchange, default is true */
var cutup_machineit_record_nochange_check = true;

/* .vol file name */
var cutup_machineit_volfiletoget = '';

/* .vol file limit, default 65536 */
var cutup_machineit_voeditor_search_limit = 65536;

/* .vol search limit insurance error checking, default is true */
var cutup_machineit_voeditor_error_check = true;

/* .vol display total calculated or value swap marking, default is true */
var cutup_machineit_voeditor_value_adding_display = true;

/* KPX defaults, default is empty string */
var cufile_defaults='';

/*allows quicken 1.10 mode, default is true; uncomment if required */
// var cutup_machineit_quicken_kp2size=true;

/*allows math debug, to use uncomment line below, default is non-empty string; uncomment if required
*/
// var cutup_machineit_debugmath_string='debug';

/*cleanup final output and remove - symbols*/
var cutup_machineit_maths_removenegatives = true;
var cutup_machineit_kpsmeprocessed_negcount = 0;

/*rechecks volume file on html interface, default is true, legacy support*/
var cutup_machineit_html4_support=true;

/*remove 0y or 0x lines from output - 565*/
var cutup_machineit_maths_check = true;

/* non-strict search of commands - default is false */
var cutup_machineit_command_test = false;

/*line returns between kpm, kpm and kpe, default is string of "\r\n" */
var cutup_machineit_text_line_return = "\r\n";

/*cutup machineit voeditor no-case matching of filenames, default is false; will run base
infill.vol 100w into door.vol maths when set to true */
var cutup_machineit_voeditor_strict_case_match = false;

/*show javascript:history.forward() link, default is false, uncomment if required */
// var cutup_kitcad_nav_forward_span_show = false;

/* printer print out */
var cutup_machineit_rX_print_output = true;
var cutup_machineit_printer_output_br = "\r\n";
var cutup_machineit_printer_output_start = '<pre>';
var cutup_machineit_printer_output_end = '</pre>';

/* guiclient kp2 out, default is true */

```

```

var cutup_machineit_guiclient_kp2_output = true;

/* guiclient filter out, default is true */
var cutup_machineit_guiclient_filter_output = true;

/* calculator x1 default */
var cutup_machineit_x1default =
"[KitCAD2]\r\nObjects=1\r\n[0]\r\nFile=default_1000w_600d_903h_0hf\r\nRepeats=1\r\n";

/*]]>*/</script>

<div id="cutup_machineit_spacing2" class="cutup_machineit_spacing">&nbsp;</div>
<div id="cutup_machineit_user_filter_div"><form id="cutup_machineit_user_filter_form"
name="cutup_machineit_user_filter_form" method="GET" action="#"><div
name="cutup_machineit_user_filter_divinner">Filter: <input type="text"
id="cutup_machineit_user_filter" value="" onchange="if(this.value)
{cutup_machineit_filter_data=this.value;if(cutup_machineit_guiclient_filter_output==true)
{document.getElementById('cutup_machineit_filter_output').innerHTML=this.value;}}else{cutup_machinei
t_filter_data='';if(cutup_machineit_guiclient_filter_output==true)
{document.getElementById('cutup_machineit_filter_output').innerHTML='';}}"></input></div></form></di
v>
<div id="cutup_machineit_spacing3" class="cutup_machineit_spacing">&nbsp;</div>
<div id="cutup_machineit_help_button_div"><a href="cutup_help.html" id="cutup_machineit_help_href"
rel="nofollow" target="_blank" title="CutUp Machine It - help documents">?</a></div>
<div id="cutup_machineit_spacing4" class="cutup_machineit_spacing">&nbsp;</div>
<div id="cutup_machineit_copyright_2016">CutUp Machine-It, for KitCAD. &copy; Copyright 2016-2017.
All Rights Reserved. [<a href="http://www.kitchenpages.com/library/i3/license/"
id="cutup_machineit_licence_href" rel="nofollow" target="_blank">License</a>]</div>
<div id="cutup_machineit_spacing5" class="cutup_machineit_spacing">&nbsp;</div>
<div id="cutup_machineit_filter_output_div"><div id="cutup_machineit_filter_output"></div></div>
<div id="cutup_machineit_rX_print_output_div"><div
id="cutup_machineit_rX_print_output"></div></div><div id="cutup_machineit_rX_kp2_output_div"><div
id="cutup_machineit_rX_kp2_output"></div></div>
</body></html>

```

Table of Contents

[CutUp Machine-It] cutup.html - minimised

[CutUp_MachineIt.html]

[CutUp_VolEditor.html]

Bibliography

Legacy;

KitCAD i3 KGC <http://www.kitchenpages.com/library/i3/>

Historic;

KitCAD i3 KGC r3 <http://www.kitchenpages.com/library/i3/r3>

KitCAD i3 KGC r5 <http://www.kitchenpages.com/library/i3/r5>

Current;

KitCAD i3 KGC rX <http://www.kitchenpages.com/library/i3/rX>