Hettich ArciTech 'Visual' User Guide.



Introduction

Overview

- The 'Hettich ArciTech Visual Package' from Solid IT adds the Hettich ArciTech drawers to Cabinet Vision Solid. (Now with PTO silent option for V9 onwards)
- It provides drilling for the drawer box parts, the cabinet ends and the drawer front for CNC output.
- Colours are White – Silver and Anthracite.
- You can select **Rails** or **DesignSides or TopSides**.
- It also adds 3d graphics for the drawer sides, runners, galleries and brackets etc.
- All Hettich KITS with order codes are added for ordering.
- The runners and brackets etc. are added as separate parts and materials for reporting purposes.
- All material descriptions contain the Hettich order number after the # symbol.
- A second Rollout for utilizing wooden fronts instead of metal fronts is provided.

Included in This Package

Drawer Guide Schedules

- "Hett ArciTech White 40 094+Gal" ArciTech White with 40Kg guides, Galleries use 94mm profile.
- "Hett ArciTech White 40 126+Gal" ArciTech White with 40Kg guides, Galleries use 126mm profile.
- "Hett ArciTech White 60 094+Gal" ArciTech White with 60Kg guides, Galleries use 94mm profile.
- "Hett ArciTech White 60 126+Gal" ArciTech White with 60Kg guides, Galleries use 126mm profile.
- "Hett ArciTech White 80 094+Gal" ArciTech White with 80Kg guides, Galleries use 94mm profile.
- "Hett ArciTech White 80 126+Gal" ArciTech White with 80Kg guides, Galleries use 126mm profile.
- "Hett ArciTech Silver 40 094+Gal" ArciTech Silver with 40Kg guides, Galleries use 94mm profile.
- "Hett ArciTech Silver 40 126+Gal" ArciTech Silver with 40Kg guides, Galleries use 126mm profile.
- "Hett ArciTech Silver 60 094+Gal" ArciTech Silver with 60Kg guides, Galleries use 94mm profile.
- "Hett ArciTech Silver 60 126+Gal" ArciTech Silver with 60Kg guides, Galleries use 126mm profile.
- "Hett ArciTech Silver 80 094+Gal" ArciTech Silver with 80Kg guides, Galleries use 94mm profile.
- "Hett ArciTech Silver 80 126+Gal" ArciTech Silver with 80Kg guides, Galleries use 126mm profile.
- And 6 more schedules for Anthracite….

Colour			Weight	Height	Profile	Internal	270	300	350	400	450	500	550	650
White	Silver	Anthracite	40kg	78	78	n/a	n/a	n/a	n/a	n/a	n/a	500	n/a	n/a
White	Silver	Anthracite	40kg	94	94	Yes	270	300	350	400	450	500	550	n/a
White	Silver	Anthracite	40kg	126	126	Yes	270	300	350	400	450	500	550	n/a
White	Silver	Anthracite	40kg	186	94/126	Yes	270	300	350	400	450	500	550	n/a
White	Silver	Anthracite	40kg	218	94/126	Yes	270	300	350	400	450	500	550	n/a
White	Silver	Anthracite	40kg	250	94/126	n/a	270	300	350	400	450	500	550	n/a
White	Silver	Anthracite	40kg	282	94/126	n/a	270	300	350	400	450	500	550	n/a
White	Silver	Anthracite	60kg	78	78	n/a	n/a	n/a	n/a	n/a	n/a	500	n/a	n/a
White	Silver	Anthracite	60kg	94	94	Yes	n/a	n/a	n/a	400	450	500	550	650
White	Silver	Anthracite	60kg	126	126	Yes	n/a	n/a	n/a	400	450	500	550	650
White	Silver	Anthracite	60kg	186	94/126	Yes	n/a	n/a	n/a	400	450	500	550	650
White	Silver	Anthracite	60kg	218	94/126	Yes	n/a	n/a	n/a	400	450	500	550	650
White	Silver	Anthracite	60kg	250	94/126	n/a	n/a	n/a	n/a	400	450	500	550	650
White	Silver	Anthracite	60kg	282	94/126	n/a	n/a	n/a	n/a	400	450	500	550	650
White	Silver	Anthracite	80kg	78	78	n/a	n/a	n/a	n/a	n/a	n/a	500	n/a	n/a
White	Silver	Anthracite	80kg	94	94	Yes	n/a	n/a	n/a	n/a	n/a	500	550	650
White	Silver	Anthracite	80kg	126	126	Yes	n/a	n/a	n/a	n/a	n/a	500	550	650
White	Silver	Anthracite	80kg	186	94/126	Yes	n/a	n/a	n/a	n/a	n/a	500	550	650
White	Silver	Anthracite	80kg	218	94/126	Yes	n/a	n/a	n/a	n/a	n/a	500	550	650
White	Silver	Anthracite	80kg	250	94/126	n/a	n/a	n/a	n/a	n/a	n/a	500	550	650
White	Silver	Anthracite	80kg	282	94/126	n/a	n/a	n/a	n/a	n/a	n/a	500	550	650

Drawer Guide Materials:

User Created Standards

The Following UCS's are provided (ensure they are in this order once installed):

- { DRAWS } -- Hettich Arci ID's — Identifies ArciTech drawer guide materials.
- { DRAWS } -- Hettich Arci Attributes — Adds Attributes to drawer backs.
- { DRAWS } -- Hettich Arci Hole Masking — Deletes unwanted holes from drawer fronts.
- { DRAWS } -- Hettich Arci Runners — Adds the drawer profiles and drawer guides
- { DRAWS } -- Hettich Arci Brackets — Adds the drawer front and back brackets
- { DRAWS } -- Hettich Arci Galleries — Adds the Rails and DesignSides etc
- { DRAWS } -- Hettich Arci Rollout — Adds the rollout metal front, and cross gallery
- { DRAWS } -- Hettich Arci KITS — Adds the drawer KITS for ordering.

Drawer Boxes

- Hettich ArciTech Drawer — Drawers boxes
- Hettich ArciTech Internal — Rollouts (Metal Front Rollout)
- Hettich ArciTech Int_W — Rollouts (Wooden Front Rollout)

Room Notes

- S_Room_ArciTech_Rail — "ArciTech Rail Option"
- S_Room_ArciTech_PTO — "ArciTech PTO"

Room Attributes

- S_Room_DFront_Screwon — "Draw Front Screwon"

ArciTech Usage

Menu Selections for a Job or Room.

To use the ArciTech drawers in a job you must make the following selections:

- In the job or room properties the Cabinet Construction tab should have the **Drawer Box** set to "**Hettich ArciTech Drawer**" and the **Roll Outs** set to "**Hettich ArciTech Internal**" :



- In the Hardware tab, choose one of the Hettich ArciTech guide schedules:



- In the Materials tab, you can choose any of the Drawer Box or Roll Out schedules you have set up for other drawers as long as the materials selected are suitable for Hettich ArciTech.

Menu Selections for a Cabinet.

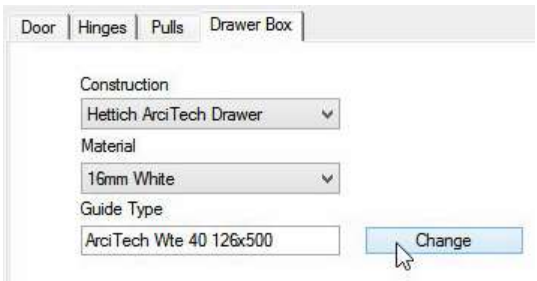
To use ArciTech drawers in a cabinet when ArciTech has **not** been selected in the room or job the Construction, Materials and Hardware tabs for the cabinet in question **must** be set to the same selections as above.

- To access those menus for one cabinet, take the cabinet into the cabinet editor, click on the section view, and select the Properties tab to find the menus.

Menu Selections for one Drawer/Rollout.

To use ArciTech drawers for one drawer/rollout when ArciTech has **not** been selected in the cabinet, or you wish to use a ArciTech drawer/rollout from a different drawer guide schedule.

- Take the cabinet into the cabinet editor, click on the section view, and double click on the drawer/rollout to bring up its Properties menu, and then select the Drawer Box or Rollout Tray tab.
- The Construction tab should be set to "**Hettich ArciTech ……..**" if it is not already.
- To Change to a different guide type press the "**change**" button shown here:



- Use the "Search" tab and a keyword such as "ArciTech" or "Arci" to quickly find the guide you want rather than paging through materials.

Drawer Box Banding Setup

- For the drawer box backs and roll out sides to be banded correctly the selected material schedule for “Drawer Box” and “Roll Out” **must** have a suitable edge banding material selected and the drawer box banding must also be set in your drawer construction wizard as shown here:



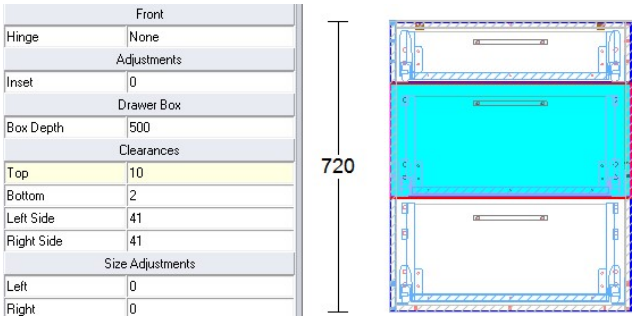
-
- The material schedules can be edited from the splash screen under the “Main” tab

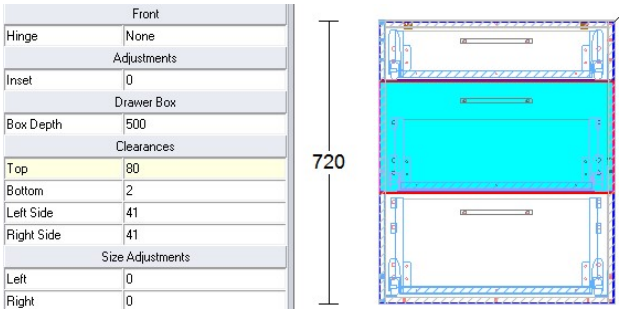
Drawer Boxes

Drawer Box Height Control

When a drawer is first added to a cabinet, Cabinet Vision will always choose the tallest drawer that will fit from the drawer guide schedule, based on the available space.

- The space is determined by the distance between any cabinet or internal parts directly behind the drawer front, minus the drawer guide material top and bottom clearances.
- To select a smaller drawer height, click on the drawer front in the section view.
- Increase the “Top Clearance” in the sidebar until the drawer height you require appears, like this:



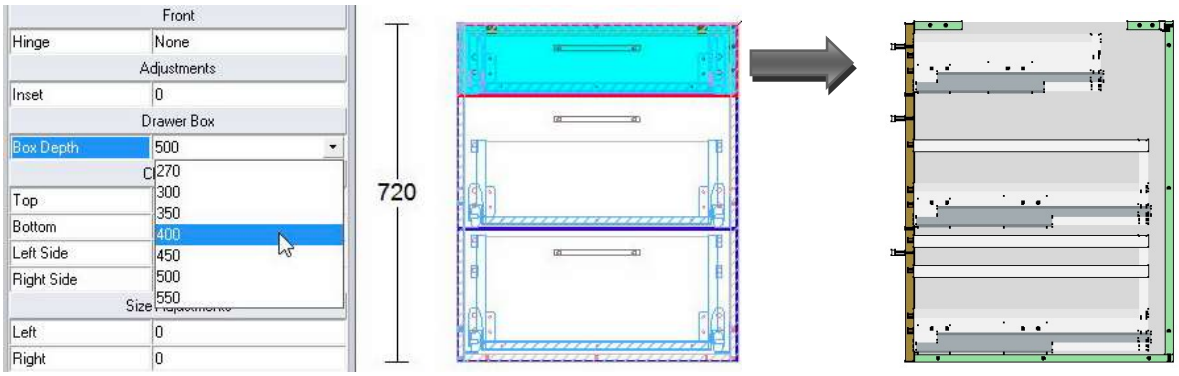


- **NOTE:** *If you are using a drawer leveling UCS (which moves the top drawer boxes up to match the bottom lip reference of the bottom drawer), this may cause those drawer boxes to interfere with an object above them, whether it be the next drawer front, the cabinets top or top stretcher or a drawer stretcher or some other part which would normally not be in the way.*
- *This occurs because the leveling UCS is applied **after** the drawer height selection has been calculated.*
- *To prevent this always check every drawer in the cabinet editor, (preferably with the graphics turned on so you can clearly see any part interference), and reduce the drawer box height using the “Top Clearance” as described above.*

Drawer Box Depth Control

When a drawer is first added to a cabinet, Cabinet Vision will always choose the deepest drawer that will fit from the drawer guide schedule, based on the available space.

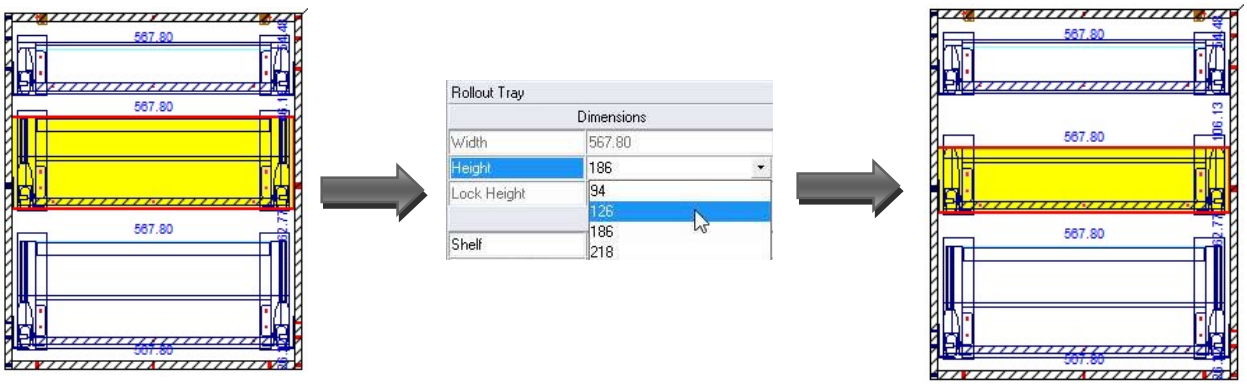
- To select a smaller drawer box depth, click on the drawer front in the section view.
- Choose the "Box Depth" from the dropdown list in the sidebar as shown here:



Rollouts

Rollout Height Control

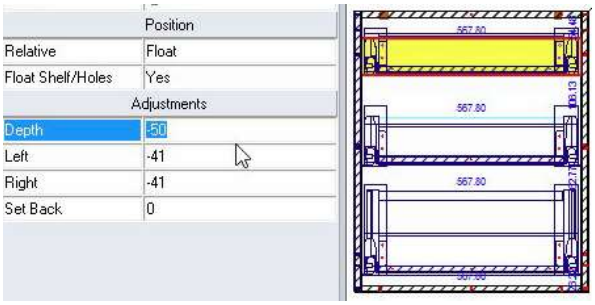
- To add a rollout in the section interior view of the cabinet editor, add a "Split Horz" and then select it and change it to a "Rollout Tray" in the left sidebar. Or use the "Split Multi Horz" function and choose the "Roll-out Tray" button and then press OK.
- When a rollout is first added to a cabinet, Cabinet Vision will choose the height based on the tallest rollout that will fit from the drawer guide schedule, based on the available space.
- To select a different rollout height, click on the rollout in the section interior view and use the sidebar.
- Choose the height from the dropdown box provided as shown here:



- **NOTE:** *The actual heights of the inner drawer are slightly more than the above measurements due to the taller front brackets etc. This may cause the inner drawers to interfere with each other or another cabinet part.*
- *To prevent this always check every rollout in the cabinet editor, (preferably with the graphics turned on so you can clearly see any part interference), and reduce the rollout box height using the method described above.*
- *The actual overall heights of the rollouts are as follows:*
  1. 123.1mm for the 94 High Rollout
  2. 155.1mm for the 126 High Rollout
  3. 203.4mm for the 186 High Rollout
  4. 235.4mm for the 218 High Rollout

Rollout Depth Control

- When a rollout is first added to a cabinet, Cabinet Vision will always choose the deepest rollout that will fit from the drawer guide schedule, based on the available space.
- To select a smaller rollout depth, click on the rollout in the section interior view.
- Increase the negative "Depth" adjustment in the sidebar until the size required is selected, as shown here:



Rollout Setback

- By default we have set all the rollouts back by 9mm compared to a drawer.
- This is enough for the front brackets of the rollout drawer to clear the door.
- To change the default value Refer to the "**UCS PUBLIC VARIABLES**" section below
- To adjust the setback of each rollout individually, use the "**Set Back**" setting under "**Adjustments**", in the section view as shown in the above image.

Rollouts with wooden fronts (Hettich ArciTech Int_W)

- This Rollout type will not use the metal front piece, but will use a wooden front instead.
- The wooden front size and banding is set in the Roll Out Wizard – Roll Out Front
- Default overhangs are : Bottom 8mm , Sides 37mm (4mm from carcass), Top -2mm (2mm above sides)
- You can alter the wizard if you prefer different overhangs.
- The material for the wooden front and its edge banding are set in the Rollout Material Schedule

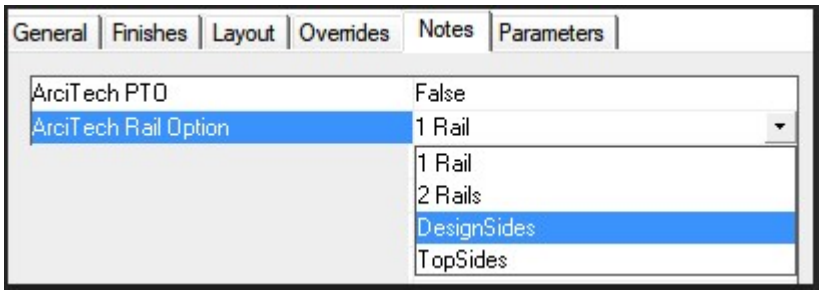
<u>Match wooden front material to drawer front material</u>

- To use the same material for the rollout front, as the drawer fronts, you can either create a new Rollout Material Schedule, or modify it at the room/job level.
- To use the same edge banding as the drawer fronts, follow these steps:
- In the part catalog, click on the Roll Out folder, then the Banding folder, then click New
- Select one of the available banding names, and enter the description "Roll Out Front Banding" – OK
- In the Roll Out Wizard – Roll Out Front, select the "Roll Out Front Banding" on all edges of the front
- In the Roll Out Material Schedule – change the "Roll Out Front Banding" to the same banding as the drawer front banding.
- Change the Roll Out Front material to the same material as the drawer fronts

94/126 Profiles, Rails, DESIGNSIDES and TOPSIDES

Setting the Room Notes

For High Drawers (H186, H218, H250, H282) and High Rollouts (H186, H218) there are two **Room notes** which control the preferences for **PTO**, and also for **Rails**, **DesignSides** and **TopSides**.



ArciTech PTO	**True/False**	Add PTO silent drilling to drawer bases
ArciTech Rail Option	**1 Rail**	Selects 1 Rail for all High Drawers
	2 Rails	Selects 2 Rails where possible.
	DesignSides	Selects DesignSides where possible.
	TopSides.	Selects TopSides where possible.

- The resulting Rail Option will then be determined by the Profile you selected, and by the height of the drawer as per this table:

Height	Profile	1 Gallery	2 Galleries	DesignSide	TopSide
186	94	1 Gallery	1 Gallery	DesignSide 92	TopSide 92
186	126	1 Gallery	1 Gallery	1 Gallery	1 Gallery
218	94	1 Gallery	2 Galleries	DesignSide 124	TopSide 124
218	126	1 Gallery	1 Gallery	DesignSide 92	TopSide 92
250	94	1 Gallery	2 Galleries	1 Gallery	1 Gallery
250	126	1 Gallery	2 Galleries	DesignSide 124	TopSide 124
282	94	1 Gallery	2 Galleries	1 Gallery	1 Gallery
282	126	1 Gallery	2 Galleries	1 Gallery	1 Gallery

If 2 Rails, DesignSides or Topsides are selected but won't fit, the result will be 1 Rail as shown in red above.
Note: Also, TopSides will only result for 400+ deep drawers, for 270,300 or 350 deep, 1 Rail will result.

Drawer Back Attributes

These Room preferences can then be overridden on any drawer, by changing the drawer back attributes:

ArciTech PTO?	**Auto**	**Uses the Room preference**
	On	Turns on PTO silent drilling in base
	Off	Turns off PTO silent drilling in base
ArciTech Rail?	**Auto**	**Uses the Room preference**
	1 Rail	Selects 1 Rail.
	2 Rails	Selects 2 Rails where possible.
	DesignSides	Selects DesignSides where possible.
	TopSides.	Selects TopSides where possible.



126 Profile with 1 Rail



94 Profile with 2 Rails



94 Profile with DesignSides



126 Profile with TopSides

Drawer Fronts Screwon

Room Attribute

The "Draw Front Screwon" is a Room attribute which will change all the drawer front mounting holes to screw holes and change the front bracket material to the screw mount bracket for reports and ordering purposes.

UCS Public Variables

Location

There are 9 Public Variables in the "**{ DRAWS } -- Hettich Arci Attributes "** UCS.

- To change these variables, go to the Utilities – Edit User Created Standards from the Room Plan or Elevation views



- Then click on the **"{ DRAWS } -- Hettich Arci Attributes"** UCS.
- On the top left-hand side of the screen you will see the Public Variables list:

Public Variables	
PTO Silent Depth	5mm
PTO Silent DIA	3mm
Front Knockin Depth	12mm
Front Knockin DIA	10mm
Front Screwon Depth	5mm
Front Screwon DIAM	3mm
Guide Cabinet Depth	12mm
Guide Cabinet DIA	5mm
Box Back Depth	12mm
Box Back DIAM	5mm

Drilling Diameters and Depths

The remaining 8 Public variables allow you to choose what diameters and depth you wish to drill for the various drawer box parts.

Each set of holes has a separate diameter and depth value.

Front Knockin = Holes in the Drawer Front for front connectors if Room Attribute "Draw Front Screwon" is **False**.
Front Screwon = Holes in the Drawer Front for front connectors if Room Attribute "Draw Front Screwon" is **True**.
(Also the Screwon sizes are used for the TOPSIDE and DESIGNSIDE front drilling)
Guide Cabinet = Holes in the Cabinet for the Drawer or Rollout Guides.
Box Back = Holes in the Drawer box or Rollout back for the drawer back brackets.

Note: To turn off any of the holes if not required, set the depth to zero.

Once you have changed all these values to your requirements, you can close the UCS editor.

Vertical position of drawers

We have positioned the ArciTech drawers 0.5mm higher than Hettichs recommended position to allow for variances in board thickness. We have achieved this by setting the "Minimum Bottom Clearance" in the drawer guide materials to 0.5mm instead of 0mm. This was done so that when your carcass material is slightly thicker than the value entered into cabinet vision, the bottom drawer guide position is less likely to interfere with the cabinets deck. If you are using a **BLUEMAX** to drill the drawer fronts you may need to add 0.5mm to the fence position. If you do not wish to have this allowance you must change all the drawer guide bottom clearances to 0mm in the material catalog, or if you prefer more tolerance you can increase the value, Be sure to also compensate for any changes on your **BLUEMAX** if required.

Tools Required

- The drill diameters you choose in the UCS User Definable Variables above are all required for this package to work. You must have these tool diameters in your tool catalog and in your machine.

Package Exclusions

Some of the drawer drilling shown in various images contained in this document are not included in the Hettich ArciTech Visual Package, but come from other packages which are sold separately.

Any items shown in any images such as cabinet screw holes, benchtop brackets, plastic legs etc are also part of our other packages which are sold separately.

See our website for more detailed information on these packages.