

Your efficiency dictates your success.
PYTHA provides the tools.

Joinery Applications

Interior architecture
Shop fitting
Kitchen and bathroom design
Office furniture
Architectural millworking
Commercial fitout



Efficient production

PYTHA is the perfect tool for an efficient production process. You can directly convert your PYTHA CAD data to variable parts lists or cutlists, to your PPS system or 3rd party estimating software.

1 Parts lists and cutlists

You can define your parts lists according to your needs, apply various sorting criteria, e.g. materials. This makes the process highly customizable. You can also easily pass your data to an external optimizer.

2 CNC connectivity

PYTHA provides a direct CAM interface. Through this CNC connectivity you can immediately transfer the PYTHA generated parts to your production machinery.

3 Nesting

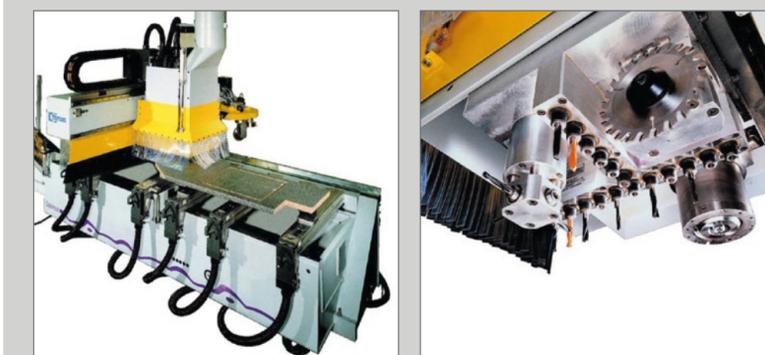
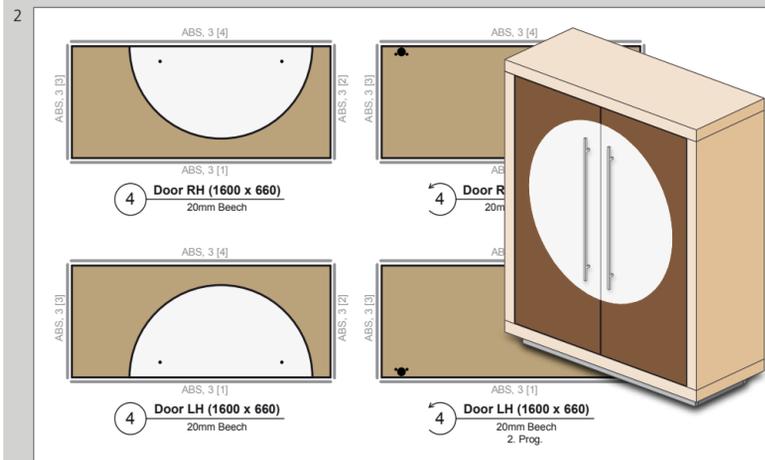
PYTHA has an integrated nesting feature that can arrange 2d or 3d elements in order to minimize waste of material. The PYTHA nesting can operate on rectangular or irregularly shaped parts and rectangular or irregularly shaped core.

The user can control such options as minimal waste, grain direction, optimization for saws, true shape optimization, part distance etc.

4 Label plot

Labels can be printed automatically providing all views of a 3D design that are relevant for production, together with details of the construction. In addition to the drawing the label may include information as text and bar code, like project and customer data, part name, article, date of delivery etc.

Cutlist						
Solid wood						
Part list						
Reception counter/Shop fitting		Job no. 122/201				
Board	#	Qty.	Part/Name	Material	Dimensions	Assembly name
Qty.	1	2	Cabinet Side	Beech fpy	1147x558x20	Cabinet
	2	1	Cabinet Bottom	Beech fpy	558x520x20	Cabinet
1	3	7	Rall	Beech fpy	520x128x20	Cabinet
2	4	12	Base	Beech fpy	520x80x20	Cabinet
2	5	18	Backside	Beech fpy	1057x550x8	Cabinet
2	6	16	Door RH	Beech fpy	1600x660x20	Cabinet
1	7	1	Shelf	Beech fpy	531x520x20	Cabinet
Veneer	8	4	Drawer Doubles	Beech fpy	550x189x20	Drawer
	9	2	Drawer Side	Beech fpy	498x135x20	Drawer
Qty.	10	28	Drawer Bottom	Beech fpy	481x478x8	Drawer
2	11	6	Drawer Back	Beech fpy	455x130x20	Drawer
4	12	6	Drawer Front	Beech fpy	455x130x20	Drawer
4	13	12	Handle	Chrome	150x9x9	Handle



Summary of Benefits

PYTHA's team has been collaborating for many years with industry experts associated with the manufacturing of products using wood, metal, glass, plastic and stone. PYTHA developments are driven by customer requirements and fully tested by our industry experts. The result is a flexible solution limited only by your imagination.

- Easy to learn and easy to use
- Fast planning and accurate assembly drawings
- Precise and unlimited construction options
- Stunning realistic presentations
- Full assembly documentation
- Automatic generation of customizable reports including parts lists, cutlists, material lists etc.
- Automatic connectivity for the production of CNC programs
- Reduce production errors by eliminating manual processes

Join the technological revolution with PYTHA!

Contact your local PYTHA partner:



3D-CAD-System for
Planning, Presentation and Production

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3D-CAD Power Tool of the Future

P L A N N I N G P R E S E N T A T I O N P R O D U C T I O N



PYTHA – 3D CAD software for all
Joinery Applications

- extremely powerful
- easy to learn
- highly efficient



Joinery Applications

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Easy and efficient to use

"Screen to machine" technology. PYTHA is a complete solution which offers planning, development, technical drawing, presentation, 3D animation, and cutlists with full connectivity to estimating and CNC machinery.

Immediately improve your efficiency and reduce your manufacturing errors. PYTHA offers unsurpassed standards which will help increase your profits.

Planning, presentation, productivity and production
– the ideal 3D CAD software for all your joinery requirements

Planning

Produce full assembly drawings in 2D/3D which can be enhanced using dimensioning, 2D text, symbols and hatching. Compose your own multiple plot sheets with various views including rendered images. Customize your layout by using the positioning and scaling tools. User definable title blocks complete your corporate identity. The "Unwrap" function reduces your layout time for complex shapes. Easily plot templates directly from PYTHA for simplified production.

From 3D model to precise production drawings – without effort

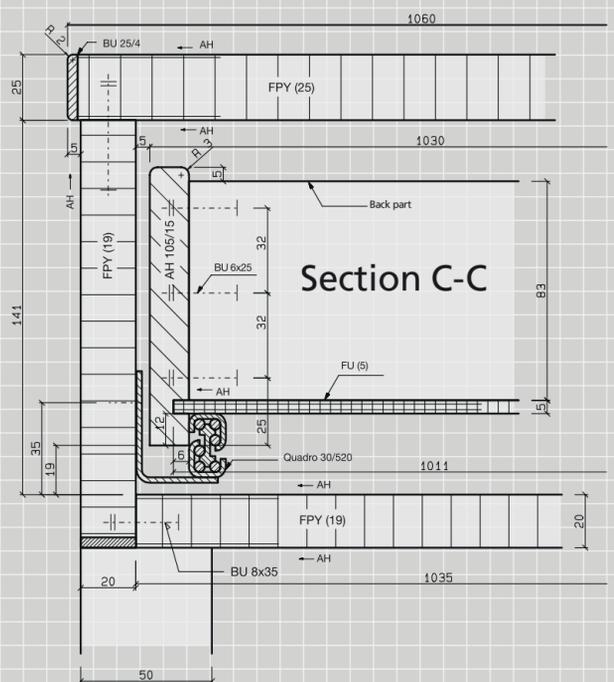
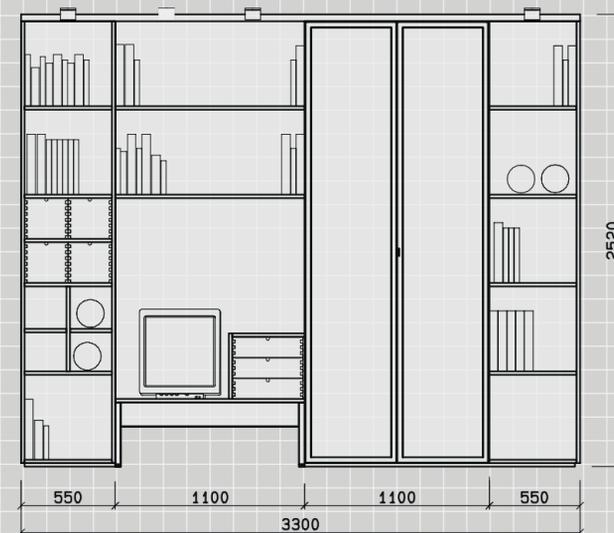
Cross sections
Any number of 2D cross sections are easily achieved through the use of section planes at user definable positions.

Hatching
Select from a number of predefined hatching styles to make your drawings stand out.

2D library
Quickly produce complicated drawings using predefined library objects.

Dimensioning
Extensive dimensioning tools allow the rapid production of comprehensive assembly drawings.

Plotting
Multiple user defined plotting sheets allow different scaling for individual views.



Presentations as real as reality itself.

- PYTHA visualizes your projects at any stage of the design
- Customer designs can be immediately viewed from any position
- A multitude of views can be displayed including floor plans, elevations, cross sections and exploded views.
- Easily create impressive presentations by using an extensive parametric library as well as user definable shapes. Enhance your surfaces by applying textures from the PYTHA library, use your own digital photographs or download textures from manufacturer websites.



The PYTHA library provides more than 1000 veneers and other materials. In PYTHA's real time rendering materials can be replaced on screen for instant viewing. To the right are some examples:



Bird's eye maple Zebrawood Rio Palisander

The PYTHA library contains over 25.000 library elements for woodworkers / joiners, exhibition design, shop fitting and architecture. With only a few mouse clicks you enhance your project utilizing crucial construction details or decorative elements.



Hettich Carvo Hettich Nemea Blum Tandem