

# SYScost+

## COSTING TOOL FOR BOARDS & SYSTEMS

### COMPLETE AND POWERFUL TOOL DESIGNED FOR THE PCBA COMMUNITY

Manufacturing cost is the main parameter used to measure the profitability or to define pricing policy, but costing electronic systems is a complex task.

Defining the cost of an electronic system means estimating all component costs, including PCB, housing and connectors, and simulating the cost of the assembly and test process at the board and system level.

The costing modules included in SYScost+ meet all these requirements and help costing engineers to get accurate calculations.

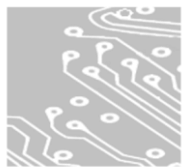
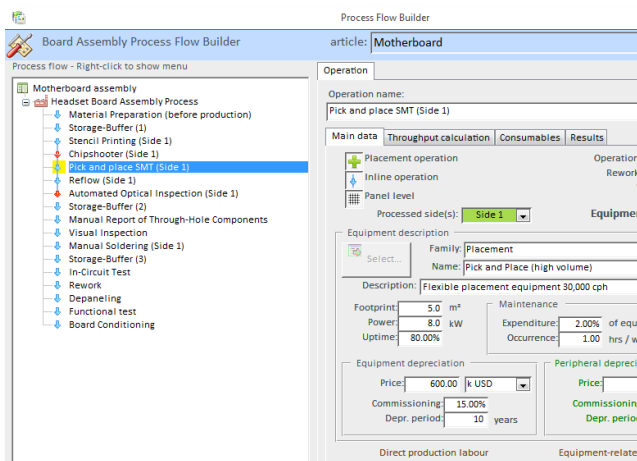
## PROCESS-BASED TOOL

### Why do you need this tool?

- Compare technical choices
- Optimize manufacturing costs
- Assess manufacturing costs
- Define product ranges
- Prepare quotations
- Compare different component costs
- Understand supplier costs
- Perpetuate knowledge

### Who should buy this tool?

- Manufacturing companies
- R&D departments
- Purchasing departments



Enter your **BoM** and simulate **PCB**, **plastic parts** and **assembly costs**.

### WORK WITH DATABASE REFERENCE TABLES

#### GENERAL

Parts catalogs (optional)  
Currencies  
Country data  
Measurement units

#### MATERIAL PRICE

Standard prices  
Quotation prices  
Component categories  
Simulation rules  
Plastic molding materials

#### PCB COST

PCB technologies  
Panels  
Metal prices

#### ASSEMBLY COST

Process flows  
Sequences / operations  
Equipment  
Plants  
Jobs definitions  
Consumables  
Entity counters

## MAIN FEATURES

### Smart BoM builder

Component parts can be easily called from the database to produce the BoM.

New components are easy to add to the database.

### Effective purchasing price search tool

When working with many price tables, price searches can be automated using multiple criteria.

The price database allows pricing of standard components and price quotation management.

Price simulation can use fine-tuning rules, reducing the number of quotation requests.

### PCB manufacturing cost simulation

SYSCost+ includes a PCB cost simulation tool.

PCB cost and price can be calculated from few inputs data.

### Plastic part and connector cost simulation

Plastic part and connector cost can be calculated from few inputs data.

### Assembly cost simulation

SYSCost+ includes a process-based added value calculation tool, allowing cost simulation of any user-defined assembly process.

Reference processes stored in the database can easily be edited for one-off simulations.

### Customizable output format

Create your own Excel results and share them.

### Safe workgroup-compliance

All data managed by SYSCost+ are stored in an external MS-Access™ database file.

### Support and updates available

The screenshot displays the SYSCost+ software interface. The main window shows a 'Bill Of Material of: Oculus Rift DK2' with a table of components. The table includes columns for Qty, Unit, Alloc. qty, Package type, Pins, Side, Mount, T/C, Marking, Description, Function, Manufacturer, Doc source, URL, and Category. A 'PCB editor' window is open, showing 'Substrate name: PCB of Motherboard' and various technical data fields such as Substrate type (FR4 Tg 140°C), Layers (4), Thickness (35 µm), and Substrate dimensions (129.0 x 67.0 mm).

Qty	Unit	Alloc. qty	Package type	Pins	Side	Mount	T/C	Marking	Description	Function	Manufacturer	Doc source	URL	Category
1	unit	0	SMD	19	1	SMT			Connector HDMI 19Pins, 0.5mm Pitch Right Ang		Molex		http://	Miscellaneous   Connector
1	unit	0	SMD	2	1	SMT			Capacitor tantalum 470uF 6.3V 2917		Panasonic		http://	Passive   Capacitor   Tantalum
2	unit	0	SOT353	5	1	SMT		VL	IC Analog Bilateral Switch Single SPST SOT353		NXP Semiconductors		http://	IC   Analog
1	unit	0	SOT363	6	1	SMT		3D5	Transistor Dual PNP 65V 100mA SOT363		Infineon Technologies			Discrete   Transistor
75	unit	0	O402	2	1	SMT			Capacitor Ceramic 0402 10%					Passive   Capacitor   Ceramic
10	unit	0	O603	2	1	SMT			Capacitor Ceramic 0603 10%					Passive   Capacitor   Ceramic
13	unit	0	O805	2	1	SMT			Capacitor Ceramic 0805 10%					Passive   Capacitor   Ceramic
2	unit	0	1206	2	1	SMT			Capacitor Ceramic 1206 10%					Passive   Capacitor   Ceramic
1	unit	0	SMD	45	1	SMT			Connector FPC/FPC 45Pos, 0.5mm Pitch Right A					Miscellaneous   Connector
1	unit	0	SMD	40	1	SMT			Connector Header FPC to Board 40Pos, 0.40mr					Miscellaneous   Connector
1	unit	0	TH	3	1	TH			Connector Jack 3Contacts 2.5mm Right Angle T					Miscellaneous   Connector
1	unit	0	SMD	5	1	SMT			Connector Mini-USB 5Pos, Right Angle SMD					Miscellaneous   Connector
1	unit	0	TH	4	1	TH			Connector USB Receptacle Right Angle TH					Miscellaneous   Connector
1	unit	0	SMD	2	1	SMT			Crystal 12MHz 7x4, 10mm SMD					Miscellaneous   Connector
1	unit	0	QFN28	28	1	SMT			IC Very Low Power USB 2.0 Hub Controller QFN;					Miscellaneous   Connector
5	unit	0	TSOT26	6	1	SMT		31C	Transistor MOSFET N/P-CH 20V TSOT26					Miscellaneous   Connector
2	unit	0	UQFN6	6	1	SMT		KD	IC Common mode filter with ESD protection uQ					Miscellaneous   Connector
6	unit	0	SMD	2	1	SMT			Ferrite Bead 0603					Miscellaneous   Connector
2	unit	0	O805	2	1	SMT			Ferrite Bead 0805					Miscellaneous   Connector
3	unit	0	UQFN8	8	1	SMT		H4N	IC 4-channel ESD Array uQFN8					Miscellaneous   Connector
1	unit	0	WQFN8	8	1	SMT		XNAB	IC Regulator Unknown Marking XNAB WQFN8					Miscellaneous   Connector
1	unit	0	DFN10	10	1	SMT		38	IC Unknown Marking 38 DFN10					Miscellaneous   Connector
1	unit	0	SOT353	5	1	SMT		597	IC Unknown Marking 597 SOT353					Miscellaneous   Connector
1	unit	0	SMD	2	1	SMT			Inductor 2.2uH 6.6x6.6mm SMD					Miscellaneous   Connector
5	unit	0	O402	2	1	SMT			Inductor Chip 0402					Miscellaneous   Connector
2	unit	0	1008	2	1	SMT			Inductor chip 1008					Miscellaneous   Connector
3	unit	0	SMD	2	1	SMT			Inductor Ferrite Shielded 3x3mm SMD					Miscellaneous   Connector
3	unit	0	O603	2	1	SMT			LED 0603 Standard					Miscellaneous   Connector
1	unit	0	VFLGA12	12	1	SMT		E4J	IC Magnetometer 3-Axis VFLGA12					Miscellaneous   Connector
1	unit	0	TSSOP8	8	1	SMT		402WP	IC EEPROM 2KBIT 400KHZ TSSOP8					Miscellaneous   Connector
1	unit	0	TSSOP8	8	1	SMT		432RK	IC EEPROM 32KBIT 400KHZ TSSOP8					Miscellaneous   Connector

## CONTACT

### Contact

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