



# What is BlueCell?



A 21st century optimization, nesting and automation software that is the product of a collaboration of industry veterans, university researchers and professional software developers.

**THE PURPOSE:** To save time and money by ensuring that you get the most out of your raw materials and machinery.

BlueCell uses mathematical algorithms developed by the University of Technology in Vienna, a leading institution in the field of mathematical and computational algorithms, to determine the best position and orientation of parts on raw material(s). The software can explore hundreds of thousands of solutions in just a matter of seconds, producing optimized patterns in a fraction of the time required by other software, or if done manually.

**THE BOTTOM LINE:** Better results with less calculation time.

Optimized results can be transferred directly to your Panel Saws and Routers using our post-processors, which generate cutting instructions for your machines in their own native language. Post-processing eliminates the need for time consuming and error prone manual programming.

**THE PAYOFF:** a highly-automated, highly-accurate solution for maximizing your material yield and programming your cutting equipment.



## Benefits and Features:



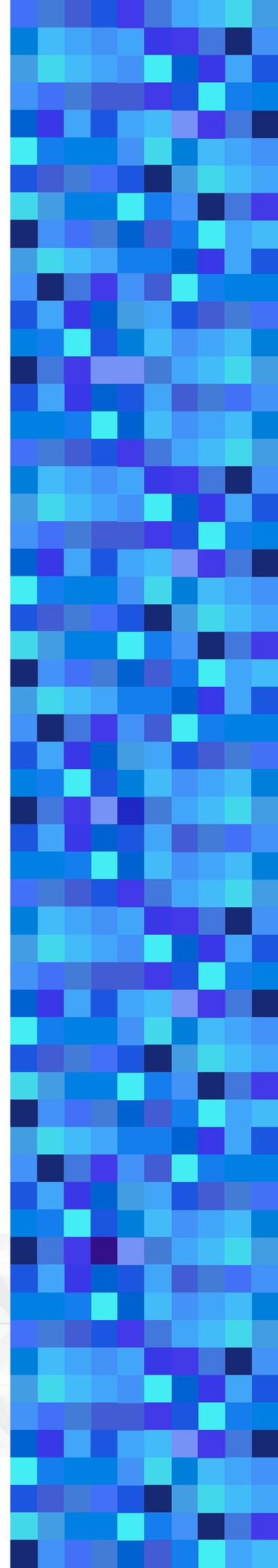
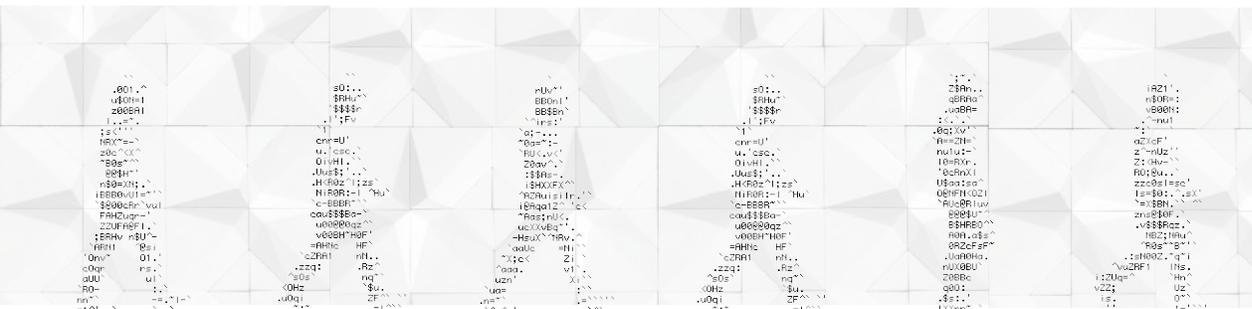
- + Can optimize for panel saws and nest for routers
- + Uses the latest, most advanced mathematical methods
- + Modern, 64 bit, multi-core capable computer technology



- + Flexible import from a variety of sources, including databases
- + Integrated reporting with SQL reporting services



- + A long list of standard features (grain matching, pattern editing, and more)
- + Post Processors for cutting machinery





# BlueCell Packages



A light-weight package designed to give sales and estimating access to top-notch optimization without the "bells and whistles" normally required for full-fledged automation and production. Ideal for estimating material consumption and machine cutting time.

### Standard Features:

- BlueCell Dynamic Algorithm
- No limits on part or material quantities
- Multi-material optimization
- Machine constraints
- Length optimization
- Standard reports
- Python scripting support
- Office labels per pattern or optimization
- Remnants 1 (remnant detection)



A package designed to meet the demands of everyday production right out of the box. Comes with 3 licenses as well as many features that address special production requirements. Includes all features of Essentials, plus:

### Standard Features:

- 2 algorithms: Dynamic and Block
- True headcuts
- Over/Under production
- Material cost optimization
- Part families
- Edgebanding
- Low priority (filler) parts
- Remnants 2 (automatically add remnants to material file)
- Inventory management (automatically reduce inventory)
- Grain formations with drag and drop builder
- Pattern editor
- Split patterns on level 1 rip cuts
- Post processor
- 3-User license



Ready to meet virtually any production demand, BlueCell Enterprise Professional includes all features and a 10 user license. Includes all features of Professional, plus:

### Standard Features:

- Labor cost optimization
- Part order
- Substitute materials
- InStock Remnants Dashboard
- SQL import wizard
- 10-User license

\* These features are standard features. Additional features or licenses can usually be added on request



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