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BlueCell Essentials Features

No part or material limit

BlueCell does not impose any artificial restrictions on the number of parts or raw material types and sizes that can be optimized in a single run.

Multi-material optimization

All BlueCell versions can optimize parts from any number of different material types in a single run.

Machine Constraints

All BlueCell versions allow users to specify limits imposed by cutting equipment to prevent the creation of solutions that cannot be produced at the machine. Limits include complexity of the layouts, clamp requirements, etc.

Length Optimization

All BlueCell versions can optimize lengths (1D Optimization) and include controls to facilitate data entry for length optimization applications.

Office Labels

Print labels from the office on standard label templates.

Standard Reports

BlueCell ships with several prebuilt SQL reports which can be used right out of the box. Reports can be viewed within BlueCell using the integrated report viewer.

Python Scripting Support

BlueCell versions include integrated python script support. Python is a widely-used, open-source coding language that can be used to write macros to automate BlueCell functions, build custom dialogs, and more.

Remnants I

All BlueCell versions can find reusable remnants in optimizations based upon minimum dimension criteria. Any unused area in the pattern that meets the minimum dimension requirements is designated as a remnant.