



BendWorks Software

Bendworks™ Software for Conduit Optimization

Cat No: BENDWORKS 1L  
MO

UPC No: Bendworks Software

## Description

---

### **Optimize the design of conduit runs for more efficient and accurate fabrication.**

The Building Information Modeling (BIM) process is still new to many electrical contractors. BendWorks® Software was designed to help electrical contractors adopt this new process easily. BendWorks® Software allows smooth information transferring between 3D electrical modelers and the electrical prefabrication shop or foreman on the jobsite. BendWorks® Software is a first of its kind add-in software application for Autodesk® Revit® and Revit® MEP that helps designers more efficiently optimize electrical conduit runs. BendWorks® Software ensures that all conduit runs are error-free and export-ready for prefabrication or on-site bending with most Greenlee benders, saving time and reducing cost for the electrical contractor. Covered by one or more of the following U.S. Patent Nos. 8886348, 9298180, and 9886024

### **INSPIRED BY LEAN CONSTRUCTION**

#### **Developed in Collaboration with Leading National Contractors**

***"Bendworks has bridged the gap between coordination and prefabrication and has become the much needed missing piece that allows our field electricians to return to being installers" - Greg Cummins, BIM Coordinator, Schuler - Haas***

\*Estimated savings were derived through contractor testing. Actual savings may vary.

Autodesk and Revit are registered trademarks or trademarks of Autodesk, Inc., in the USA and other countries.

## Specifications

---

## Benefits

---

## **Error Checking**

Verifies design against conduit bending rules and the Greenlee bender-specific parameters including:

- Four types of error checking; setting, pre-process, process, & warning
- Color code error conduits per error type
- Adjust maximum bend angles and total distance of conduit run
  
- Minimum bend radii
- Back-to-back minimum distance between bends
- Tail-end minimum distance
- Auto-ranging of conduit diameters by bender
- Maximum 360° of bends per run

## **Material Optimization**

- Updated logic that maximizes conduit utilization
- Automatically align couplings for normal, staggered or in-line style
- Able to line up couplings in parallel run by using 'Align couplings'
- Added minimum conduit length information
- Optimizes conduit runs for fewest cuts and segments

## **Waste Reduction**

- Offer split conduit logic that makes jobsite installation easier
- Reduces the conduit bone pile and workflow inefficiencies

## **Bill of Material Accuracy**

- Save manual and machine files in separate locations
- Input the coupling gap information
- Provides output files of required conduit length and removes guesswork from conduit bill of material

## **Quality Control and Assurance**

- Retains run information automatically during changes
- Details output of conduit segments with unique identification for traceability on the jobsite

## **Automated Calculations for Bending Operator**

- Provide two conduit cut valves in output files
- Greenlee bender-specific output files provide bending instructions and reduce operator error

## **Fully Integrated with Autodesk® Revit® and Revit® MEP**

- Supports collaboration between multiple design users, and allowing for compatibility back and forth between Autodesk® Revit® and BendWorks™

Autodesk and Revit are registered trademarks or trademarks of Autodesk, Inc., in the USA and other countries.

## Free Trial

---

### Free Trial

- Get more details on BendWorks and [download a 30-Day free trial](#)
- Upon trial expiration, a license key must be purchased

### Purchasing

- Greenlee BendWorks software supports 2015, 2016, 2017, and 2018 versions of Autodesk® Revit® and Revit® MEP.
- No upgrade purchase necessary when upgrading versions of Autodesk®

### To purchase a full license key:

- Download the software via the 30-Day free trial
- Upon trial expiration, a license key must be purchased
- Greenlee BendWorks software is available through four different subscription options.
- Customers outside the US and Canada: To place an order, please contact Customer Service at [CSBendworks@emerson.com](mailto:CSBendworks@emerson.com)

Autodesk and Revit are registered trademarks or trademarks of Autodesk, Inc., in the USA and other countries.

### Help documents can be found on:

- The BendWorks™ page of Autodesk® app store
- In the help section of the software
- On the BendWorks™ page of [greenlee.com/software](https://greenlee.com/software)
- How-to videos explaining each function of the software can be found on the [Greenlee Youtube](#) channel.

### Operating System Compatibility

- Revit® and Revit® MEP 2016 - Win7 x64, Win8, Win8.1, Win10
- Revit® 2017 - Win7 x64, Win8, Win8.1, Win10
- Revit® 2018 - Win7x64, Win8.1, Win10
- Revit® and Revit® MEP 2019 - Win10
- Revit® and Revit® MEP 2020 - Win10

Bendworks™ supports any type and size of conduit that is supported by the following Greenlee benders:

- 555, 555C, 555CX, 555DX
- 853, 854, 854DX, 855, 855GX
- 881, 882
- 1055 AutoBend 3D

**Phone support:** 1-800-435-0786

**Email contact:** [csbendworks@emerson.com](mailto:csbendworks@emerson.com)

Autodesk and Revit are registered trademarks or trademarks of Autodesk, Inc., in the USA and other countries.