



Highlights

- A global company with over a decade of distributed engineering consulting experience
- US-based with operations in India and across the globe
- Consultants who have worked in engineering-centric manufacturing companies
- Strong machine building and product development expertise
- Extensive 3D experience with surfaces, sheet metal and large assemblies
- Uniquely positioned to combine software development and engineering skills for developing engineering productivity solutions
- On-site resources for design and conversion projects
- ISO 9001-2000 certified with a focus on the future through continuous improvement initiatives
- Stringent security procedures that ensures all confidential information is under maximum control and protection including customer drawings and documents
- Strict adherence to intellectual property rights

**Barry-Wehmiller
International Resources**



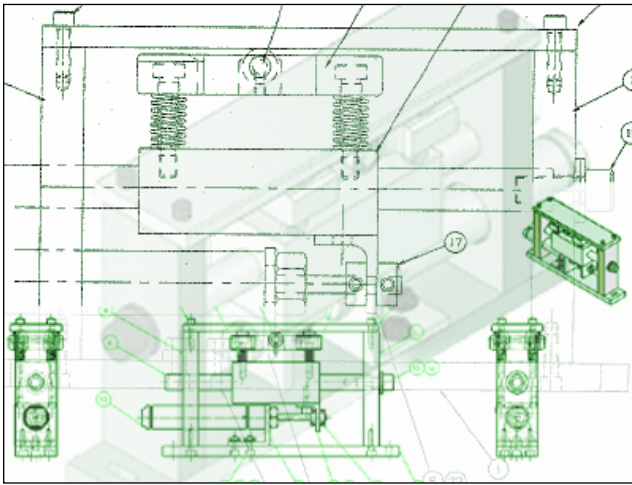
It's Not "Just"
Business -
It's A
Partnership

Legacy Drawing Conversion

Legacy Drawing Conversion

Barry-Wehmiller International Resources (BWIR) is part of the consulting group of Barry-Wehmiller Companies, Inc. a diversified company founded in 1885. With headquarters in St. Louis, Missouri and primary operations in India, BWIR offers the combined benefits of the proximity and dependability of a US company with the affordability of distributed operations.

Organizational priorities of reducing time-to-market of new products and upgrades puts pressure on engineering managers to reduce lead time. Since over 60 percent of new product development is based on previous design, it's important to build the foundation by converting legacy data to the target 3D platform.



PARAMETRIC 3D MODELS ALLOW FOR:

- Enhanced visualization
- Improved archiving and retrieval
- Easier design modifications
- Increased productivity with the 3D model becoming a reference for downstream processes
- Reduced design errors thus reducing scrap
- Computer-aided manufacturing integration

SERVICE OFFERINGS

BWIR provides services for customers migrating from paper and 2D drawings to 3D, or for 3D to 3D conversion. A distinguishing feature at BWIR is that engineers with previous design experience manage and execute conversion projects. Our engineers are able to capture the design intent from the legacy drawings and incorporate it in the 3D models and drawings.

BWIR engineers have skills in a wide-range of 3D modeling tools including SolidWorks, Pro/Engineer,

Unigraphics, Ideas, SolidEdge, and Inventor. BWIR can handle data from various sources including paper drawings, scanned files, AutoCAD, Personal Designer, Anvil, CADAM, CADD5, ME10 and Medusa.

■ 2D to 3D Conversion

Migrating engineering design from 2D to 3D allows for better visualization, data integration and flexibility. Through a proven conversion methodology, each drawing is recreated as a 3D model/assembly which can be the platform for new products and upgrades.

■ 3D to 3D Conversion

BWIR provides data translation services for customers moving from one CAD tool to another, capturing the design intent and functionality. Based on the requirements, data translation can be performed by recreating the model, using a suitable translator or through a neutral format.

SUPPORTING SERVICES

■ Automation

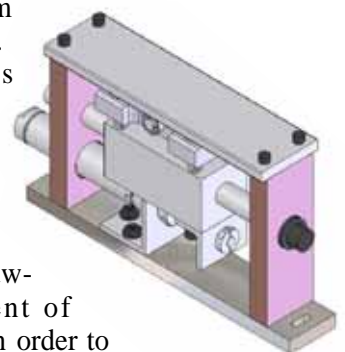
BWIR has built a strong automation practice that contributes to the conversion effort and engineering automation projects. The services provided include automatic translation where applicable, engineering process automation and profiling using custom properties.

■ Scope Definition

Through our experience with multiple conversion projects, BWIR has evolved industry best practices that can help you organize the conversion effort. By establishing project priorities and creating a conversion master plan, BWIR will ensure a smooth transition to the new platform.

■ Implementation Services

Through engineering process analysis, BWIR can help you implement a methodology to gain the maximum benefit from your 3D CAD tool. Implementation services include assessment of drawings required to be converted to 3D models, best practices documentation for creation of models and drawings, and development of automation programs in order to save time on repetitive tasks.



Barry-Wehmiller International Resources

8020 Forsyth Boulevard • St. Louis, MO 63105 USA • 314/862-8000
J-93, 13th Main Road, Anna Nagar West • Chennai - 600 040 India • + 91 44 2 616-4941
www.bwir.com • sales@bwir.com