

# Design to Manufacturing Software

Simplify design. Connect engineering to manufacturing.



# DTM Software

## Design Engineering Software

### Simplifying Electrical Engineering, and Connecting Fabrication & Workers to **Drive Productivity**

The nVent HOFFMAN Design to Manufacturing (DTM) Software is a proven and simple engineering solution for designers and manufactures to plan and design electrical enclosures, machines, and factory systems to automate panel building through intelligent 2D/3D workflow, enabling the digital twin.

An integral part of the nVent HOFFMAN Design to Manufacturing Platform tailored to meet the requirements of our customers.

With its easy-to-use intelligent central parts library, designers can now efficiently work on a single project while the software automatically ensures the data is synchronized making the design and planning process easy, while reducing errors.

All so you can maintain a single source of truth, while simplifying processes and increasing productivity.

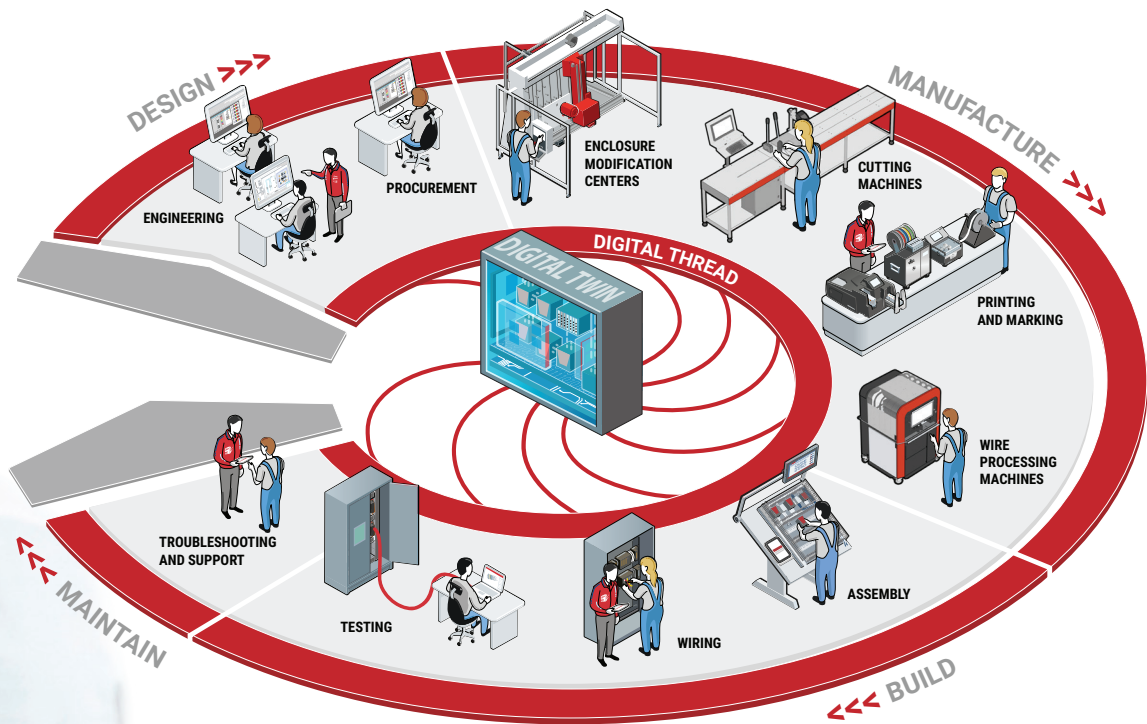




# DTM Software

Connecting engineering to manufacturing

## DTM Enables the Digital Twin



**SIMPLIFY**  
Design



**CAPTURE  
& DEPLOY**  
Knowledge



**CONNECT**  
Engineering to  
Manufacturing



**SOLVE**  
the Shortage of  
Engineers &  
Skilled Labor



**ACCELERATE**  
Profitable  
Growth

# DTM Software

What DTM Software can do for you



## Simplify

design to minimize manual drafting and improve quality

- > Easily create electrical panels and cabinets in 2D with 3D visualization.
- > Easy-to-use, highly automated electrical and fluid power schematic options.
- > Automatically checks, enforces and reports electrical and mechanical design quality standards.
- > Simplifies complex designs into distributed views and connects object views and attribute data.
- > Production-ready automated panel wire routing options to improve consistency and reduce manual planning.



## Capture

and deploy knowledge to standardize design and drive efficiencies

- > Centralized intelligent library improves and enables standardization, and easily captures automation strategies and processes.
- > Stores engineering and manufacturing rules and considerations in the library to improve standardization and streamline repeatability.
- > Connects with leading mechanical solutions and enables digital twin creation to support mechanical designs.
- > Production-ready automated panel wire routing options to improve consistency and reduce manual planning.



## Connect

engineering to manufacturing to improve quality, efficiency and precision

- > Drives automated manufacturing and assembly for wiring, modifications and labeling machines.
- > Automated calculations and quality checks improve mechanical fit, while eliminating errors and waste.
- > Enables digital manufacturing with visual aids and generates step-by-step instructions for model-based assembly and wiring.



## Solve

the shortage of engineers and skilled labor

- > Simplifies electrical design, detects errors, automates panel building processes, reduces waste on the manufacturing floor, and provides wiring and test instructions to manufacture.
- > Streamline data management and collaboration with cloud option to store, access and share projects.
- > Captures manufacturing data to empower automated manufacturing.



## Accelerate

profitable growth

- > Automated, simplified design and manufacturing saves costs, while maximizing skilled worker capabilities.
- > Logical design and fit checks improve job consistency, design reuse and productivity.
- > Digital Twin creation drives digital transformation to automate manufacturing processes and get to market faster.



## Support

every step of the way

- > Free self-paced training resources available.
- > Online and onsite training options with live instructors.
- > Online community with resources, articles and videos.
- > Tailored professional services to meet your specific needs.

# DTM Software

Connect engineering to manufacturing

## Connecting workers and machines for **Industry 4.0**

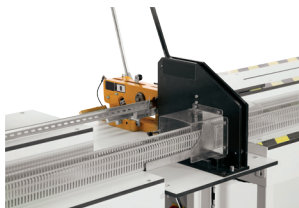
The DTM software is an integral part of the nVent HOFFMAN Design to Manufacturing Platform, a comprehensive portfolio of end-to-end design and manufacturing solutions that can be scaled and integrated to meet your needs:



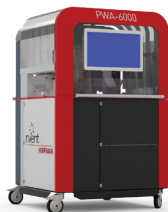
Simplify engineering processes with the DTM software



Reduce lead times with state-of-the-art enclosure modification centers



Maximize resources and reduce waste with rail and cable duct cutting machines



Reduce wire processing time by up to 75% with wire processing machines

Rely on the comprehensive nVent HOFFMAN Platform portfolio from end to end to streamline the way you work and do more business faster.

You can also take advantage of a full range of accessories, tailored services and support to make it even easier and more convenient for you to get more projects done – and delivered – with superior quality.



Streamline the way  
you work while  
reducing waste with our  
eco-friendly solutions.



# DTM Software

## Packages

Choose the package that's right for your business!



## ENGINEERING AND MANUFACTURING

### Streamline processes to speed projects.

Empower your engineering teams to take electrical panel designs from concept to print quickly. The nVent HOFFMAN DTM Engineering and Manufacturing packages simplify the design process and capture manufacturing data to drive automated manufacturing for electrical panels.

#### For example, the software:

Enables engineers to easily design panels in 2D and seamlessly switch to 3D views – with changes saved simultaneously. That means designers can efficiently and effectively plan form, fit and function for projects early in the design process.

Provides a variety of smart cabinet-building features to simplify and streamline end-to-end processes, and generates the data needed for automated manufacturing, wiring and assembling the solutions.

As a result of these and other functional features, your projects can be completed faster – with improved consistency and quality.

Professional and Premium packages are available.

The **Professional package** enables advanced schematic and panel design with features, including 2D and 3D panel design, automated wire routing, online and offline library access, and more.

The **Premium package** builds on the Professional package to add advanced features like connected single-line drawings, advanced connection wiring diagrams, and more.

### Building a more sustainable and electrified world

At nVent, we believe safer systems ensure a more secure world. We connect and protect with inventive electrical solutions. nVent HOFFMAN creates inventive solutions that boost system resiliency by protecting critical components to extend system lifespan, overall maximizing employees' capabilities to solve the shortage of engineers and skilled labor.



# DTM Software

## Packages



### CONNECTED WORKER

#### Optimize people, engineering data and processes.

The nVent HOFFMAN **DTM Connected Worker** software package make it easier for manufacturing teams to access and leverage engineering data for automation and task management. This single source of accurate data is an essential part of digital transformation to drive automated manufacturing processes.

Workers in the core manufacturing areas of assembly, wiring and testing are connected through the software, with manufacturing constraints and requirements driven through the digital thread and information managed in real time. That means they're all working from a single source of truth for engineering data, which improves the accuracy and consistency of data, as well as the speed of information flow.

**The result?** Projects can be completed faster and with improved quality.



### VALUE-ADD OPTIONS

#### Get even more flexibility.

Value-add options are simple, cost-effective solutions to manage, control and securely store DTM Software projects. Utilize cloud storage providers to manage projects without the overhead cost of in-house IT infrastructure.

#### Learn more about DTM Software from our experts.



Please click or scan the QR code for more information



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