CAD+T

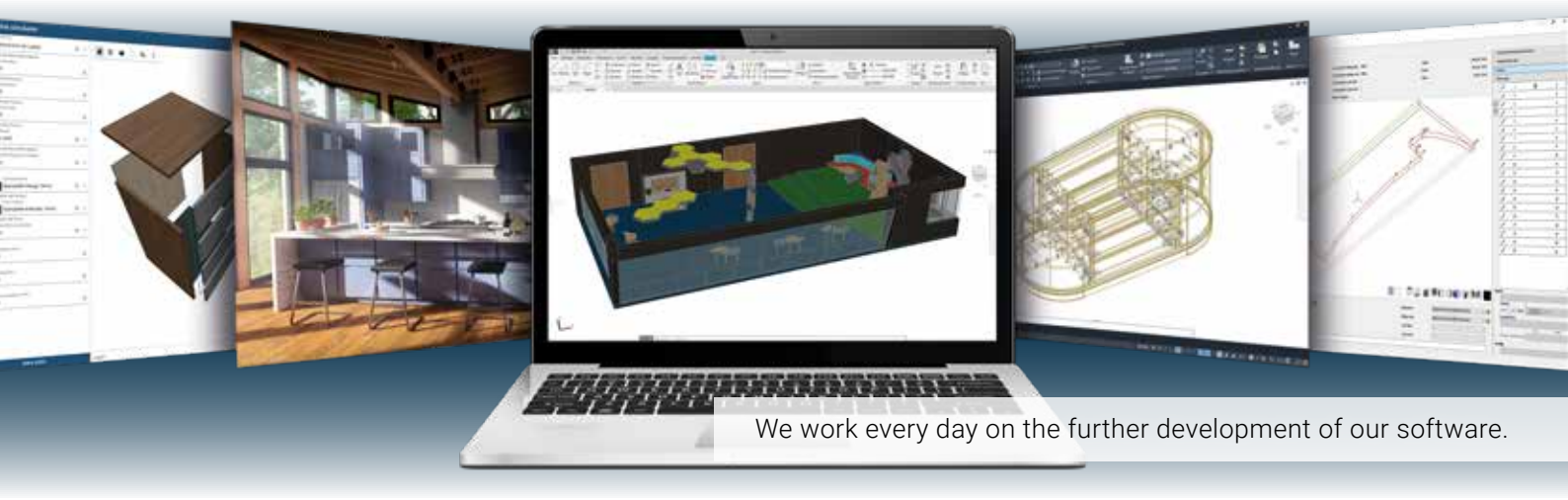
www.cadt-solutions.com

Software for Interior Design and Production

Solutions Overview

Preparing for the future together

„We supply digital solutions and efficient processes to enable customers to be at the top of their industries.“



We work every day on the further development of our software.

CAD+T Headquarters

CAD+T Solutions GmbH
Gewerbepark 16, 4052 Ansfelden, Austria
+43 7229 83100 0

CAD+T Worldwide

GERMANY

Vattmannstraße 1, 33100 Paderborn
+49 5251 150 240

ITALY

Nordring 25,
39031 Bruneck
+43 7229 83100 0

SOUTH AFRICA

8 Waterford Mews, Century Boulevard,
Century City, 7441 Cape Town
+27 64 604 91 02

SWITZERLAND

Dorfmatt 2a, 6343 Rotkreuz
+41 41 790 90 70

UNITED ARAB EMIRATES

Indigo Icon Office 1104,
Jumeirah Lakes Towers, Dubai
+971 4 44 77 88 0

INDIA

A2 – 3rd Floor, SPAN Ventures SEZ
Rathinam Techzone Campus
Pollachi Road, Eachanari
Coimbatore – Tamil Nadu
641 021 India
+91 422 492 1000

AUSTRALIA

Level 5, 23-25 O'Connell Street,
NSW, 2000 Sydney
+61 2 800 620 67

The product range

Design

Quickly create 3D designs including walls, doors, windows and cabinet configurations.

Visualize

Create high-end renderings, 360° panoramas, videos and VR. Live sync to design module available.

Configurator

An ideal solution that simplifies data generation and enables direct transfer into Engineer Classic or Engineer Professional.

Engineer

3D CAD design software for individual designs. Automatically place hardware, create parts lists, hardware lists and more directly from the drawing.

CNC

Data transfer that takes material properties and manufacturing methods into account. Export CNC programs, from nesting to 5-axis.

Web Solutions

Complete solutions ranging from cloud-based data management and licensing services to customizable online shops and e-commerce platforms.

ERP

Plan, control and manage resources such as employees, materials and more. Optimise and organize your workflows.

Autodesk®

Complete your ideas with various Autodesk® products, such as AutoCAD®, Inventor®, Vault® or Revit® for architecture and BIM data.

Consulting

Our team guides and supports you in developing strategic goals, optimizing workflows, receiving subsidies and more.

Hardware

In addition to our software portfolio, we supply you with suitable hardware from HP® and systems for automation, part tracking and MES integration.

YOUR ONE-STOP SHOP: A FULLY INTEGRATED SOLUTION FOR YOUR BESPOKE DESIGNS

Planning

Planning

Fast and flexible planning of all your interior requirements with perfect renderings for presentations.

Estimation

Estimation

Flexible cost calculations using multiple calculation models.

©Paul Ott GmbH

Procurement & Stock

Procurement & Stock

With a clear order structure, all materials are correctly assigned to each project. This helps to automate and speed up procurement processes. Errors are minimised and your cash flow improves.

Operations Control

Operations Control

Capacity and resource planning of material, people and machinery. Feedback in real time via part racking, mobile App and QR code/barcode.

©Felder Group

©SCM Group

Construction

Construction

Flexible and efficient production setup and scheduling with easy handling.

CAM / CNC Production Data

CAM / CNC Production Data

Production data and CNC programs are created automatically, which significantly reduces the error rate.

Perfect Result

Perfect Result

The project has been successfully realised exactly as you and your customer imagined it.

The optimized workflow with CAD+T

Optimized Process

By using the full CAD+T software solution, you have all your data in a single system, which ensures fast and accurate data transfer between departments. This enables you to save time and use your resources more efficiently.

By implementing CAD+T products, you will optimise your output and improve quality while using the same or fewer resources. The modular architecture of our software enables a complete end-to-end solution or a step-by-step implementation customised to your company's needs. When using our modules together you will achieve a fully optimised workflow.

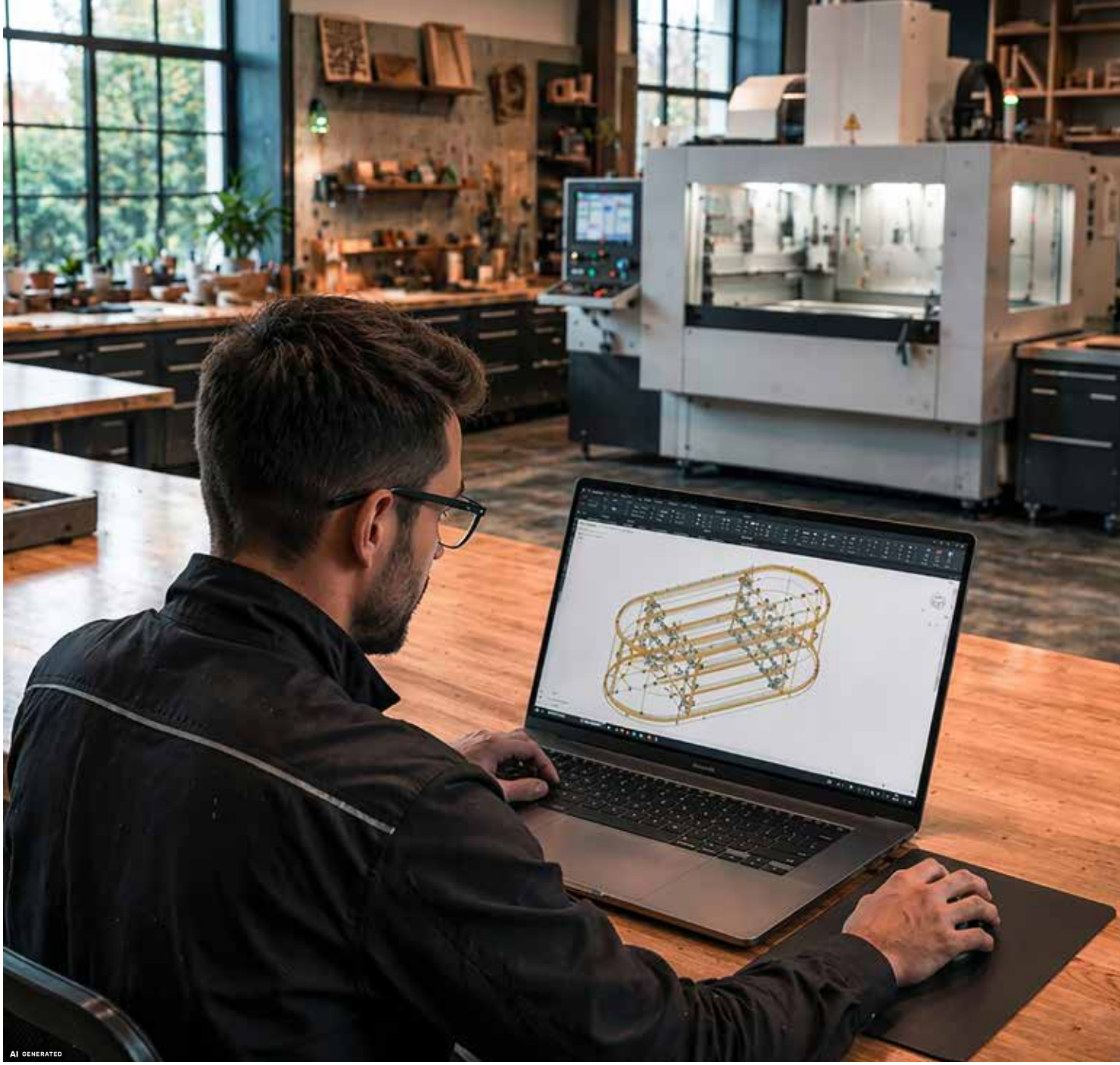
On the next pages you will find further details about our products. We are also more than happy to assist you personally and to find the right solution together with you.

„I don't understand why many others haven't already made the switch to CAD+T solutions."

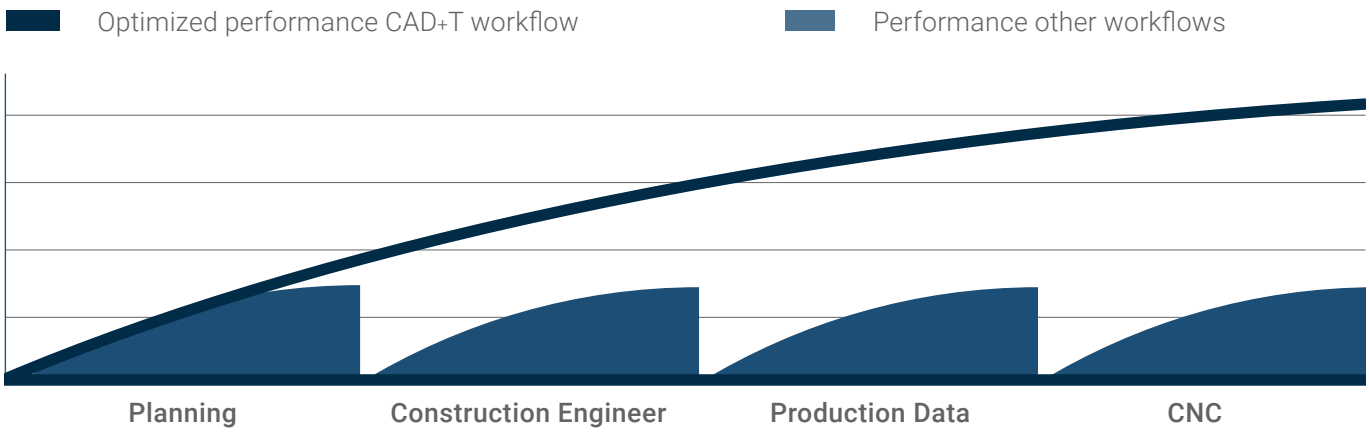
- Nick Hudson
Nick Hudson Fine Furniture (UK)

„Together with CAD+T, we don't just create furniture – we shape living spaces. At Fair Price, we're furnishing homes, supporting families and building a brighter future."

- Zayd Wadee
Fair Price (ZA)



Optimized performance of the CAD+T workflow



Design

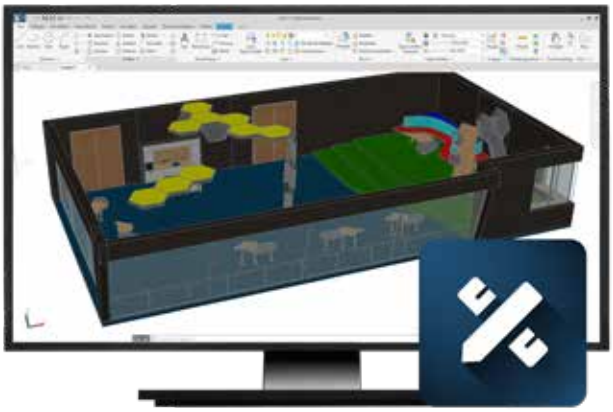
Are you into bespoke furniture and customised designs? We are too! Get your designs in 2D and 3D.

Design Classic

The CAD+T Design Classic module with a cabinet configurator also lets you create walls, windows and doors and make your designs more dynamic. Benefit from the automated layout generator and the ability to make changes quickly. Once you have started to design, you will benefit from the interconnectivity of all our software modules. The design will then be ready for visualisation as well as construction and shop floor drawings. The Design Classic module is based on AutoCAD®.

Design Professional

The CAD+T Design Professional planning module, based on SketchUp, opens up a world of limitless design possibilities for you. Create compelling 3D models quickly using an intuitive and user-friendly interface. Generate complex models with just a few clicks and impress your clients with high-end renderings, thanks to the direct interface with CAD+T Visualize. With seamless cloud compatibility through CAD+T EOS, you have access to your projects anytime, anywhere. Maximise flexibility and efficiency with numerous import and export formats, such as DWG, DXF, STL or even the BIM format IFC.



+ **Add-on:** IFC data import and export

Your Benefit Design Classic

+ Quick and easy 3D designs
+ Design even advanced projects
+ Create quotes quickly
+ Interconnectivity with other CAD+T modules
+ 2D and 3D view
+ Suitable for all design areas (joinery, shopfitting etc.)
+ Connection to CAD+T EOS

Your Benefit Design Prof.

+ User-friendliness meets performance
+ Direct interface with CAD+T EOS and Visualize
+ Unlimited design freedom, lightning-fast modeling
+ Extensive decoration library via 3D-Warehouse
+ Customised tools for every need
+ Cloud compatibility – access anytime, anywhere
+ Numerous import and export formats
  (e.g. DWG, DXF, STL, IFC)

Visualize

Push the boundaries of what's possible. Because visualizing has never been this easy!

Visualize Professional

The CAD+T Visualize Professional module delivers photorealistic high-end renderings for professional presentations. Using the live-sync function with CAD+T, drawings can be imported quickly and decorated with numerous effects and objects such as people, animals, plants and more – with all changes applied automatically. Advanced effects such as the ageing of materials, water and glass combinations, sunlight reflections and grass, model and material variations, as well as VR data export complete the feature set.

Visualize AI

Visualize AI turns your designs into high-end visualisations in just a few seconds – precise, realistic and efficient, no rendering experience required. Data is transferred as a screenshot from either CAD+T Design Classic or CAD+T Engineer Classic via a direct interface. Choose from a wide range of styles, from Photorealistic and Nordic Modern to Industrial, and match your customers' tastes, whether for kitchens, hotels or shopfitting. While still in the consultation, you can show what the project will really look like – on request, directly in a photo of the customer's own room.

Your Benefit Visualize Prof.

- Format import TGA, DDS, PSD, BMP, JPG, PNG
- 360° panorama renderings
- Import animated objects such as people and more...
- Image export up to 8K, video export up to 4K
- Ageing of objects, painting, glass and water effects
- Import of real-world environments
- Advanced material database and VR export

Your Benefit Visualize AI

- AI-powered high-end rendering
- Interface to CAD+T Design Classic & Engineer Classic
- Wide range of interior styles
- Integrated assistant for better prompts
- Up to four rendering variants side by side
- Image export up to 4K, video export up to 15 seconds
- Automatic AI labelling to C2PA standard and EU data processing

Engineer

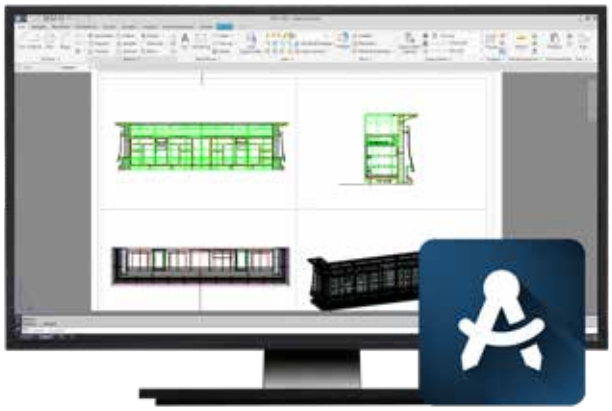
Use our special CAD+T tools to improve your construction process.

Engineer Classic

The CAD+T Engineer Classic module is based on AutoCAD® and uses the same user interface, so it is quick to learn. Sections, details and different views are created automatically, which speeds up work, especially for bespoke construction. The automatic hardware placement supports the user especially with bespoke engineered furniture. Import and adjust any items easily from our CAD+T Design Classic module or start from scratch with a 2D drawing and get the 3D data automatically.

Engineer Professional

This is a 3D parametric construction module based on Inventor® which, similar to CAD+T Engineer Classic, automatically generates your cutting list and CNC data. We have enhanced this module to also work for furniture engineering. Thanks to 3D parametric design, you can easily change features without changing the basic construction. This add-on for Inventor® includes features specific to the furniture industry, such as core material selection, edge functions and surfaces. Extend your Engineer Professional module with Metalbender: sheet metal design that takes material thickness and type into account directly in the design – including functions such as bending, flattening, flaps and variable flange construction.

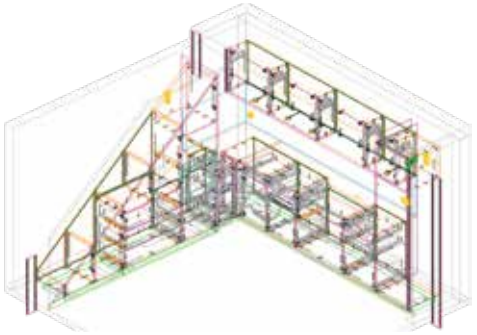


Your Benefit Engineer Classic

- + Based on AutoCAD®
- + Automatic creation of parts lists
- + Connection to CNC machinery
- + 4 different views
- + 2D views with sections, 3D isometric
- + Automatic hardware placement
- + Library of hardware manufacturers
- + Made especially for bespoke items

+ Add-on: Data+

With Data+, you get direct access to an intelligent component and fittings catalogue with predefined templates, components, fittings and electrical appliances – no configuration required, with up-to-date manufacturer data and cabinets that automatically adapt to changes in side panel thickness.

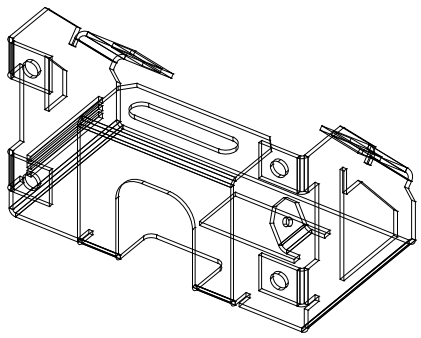


Your Benefit Engineer Prof.

- + Based on Inventor® (3D parametric)
- + Automatic creation of parts lists
- + Connection to CNC machinery
- + Automatic drawing derivation
- + Perfect for large and complex projects
- + Exploded view and movement simulation
- + Reduction of parts through part connection
- + Controllable revisions

+ Add-on: Metalbender

An extension to the CAD+T Engineer Professional module: sheet metal design. Material thickness and type are taken into account directly in the design. Functions include bending, flattening, flaps and variable flange construction.



CNC

Optimize your production workflow by automatically generating CNC data.

CAM Interface

The CAD+T CAM Interface is aan intelligent connection to 3- to 5-axis CNC machinery for individual production. CNC files are generated directly from the CAD+T Engineer Classic or Professional module, taking into account the geometry and material properties of each part. The CAM system includes an intelligent work-on logic according to material, tools and production steps, which increases machine efficiency without the need for a specialised CAM operator.

Nesting

Efficient nesting starts with the software and ends with the finished part, which leads to faster and more efficient material handling in the workflow. Free-form parts are placed taking into account the tools and capabilities of the machine. We achieve through the perfect placement of small parts between the different sized parts an optimized material usage.

5-Axis simultaneously

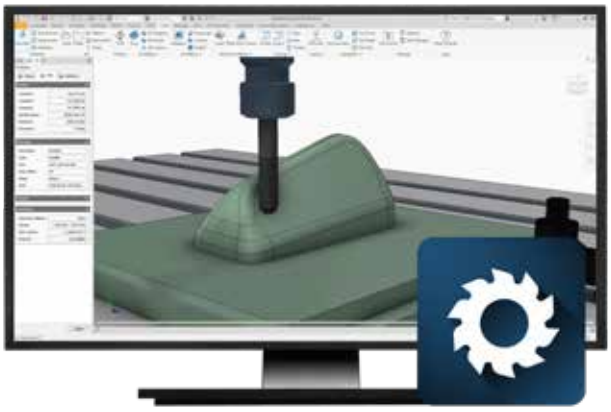
Inventor® CAM is a 2.5- to 5-axis CAM system that allows simultaneous 4- and 5-axis machining. The data is generated from CAD+T Engineer Professional and prepared for further production steps by this high-performance software. The preview simulation lets you check for potential collisions. It also calculates machining times for more complex CNC programs. Autodesk Fusion is the cloud-based solution for this.

Your Benefit CAM Interface

- + High-performance post-processor
- + Logic based on material and geometry
- + CAM silent mode available
- + Simultaneous output for different CNC machinery
- + Automatic file recognition with barcode
- + Definition of production steps
- + Automatic tool selection

Your Benefit CNC Nesting

- + Intuitive user interface
- + Output to nesting machine possible
- + 64-bit engine
- + Nesting with grain direction
- + Combining and repeating orders
- + Optimized production steps for wood-based material
- + Enhanced nesting for reduced material wastage



Your Benefit 5-Axis

- + Analysis of solid bodies or flat surfaces
- + Automatic transfer of 3D solids
- + Fast calculation and easy handling
- + Vector drilling and milling
- + Post-processor for several brands of machinery
- + Adaptive clearing for optimal surface quality
- + Complex 3D milling and simultaneous 5-axis programs

Web Solutions

Manage your data with EOS and expand your sales channels with an online shop or e-commerce solution.

EOS

With CAD+T EOS, every area of your business works with the same data. Your drawings and documents are stored safely, backed up and versioned, so you always have access to every version. Master data, materials, licences and system settings are managed in one place instead of across several systems. With CAD integration, reports, configurator, costing, e-commerce, time tracking and production management, EOS supports the entire process from enquiry to production. This eliminates duplicate data entry, prevents breaks in the data flow and shows you the current project status at any time.

E-Commerce

The e-commerce platform can be used as a sales tool for your own sales team, as an online shop for your partners or directly by consumers. In combination with CAD+T EOS, you manage your product data in one place and display it automatically in the shop, tailored to each user group. Choose from a wide range of options and increase your online orders!

Configurator

The CAD+T Configurator is a scalable cloud-based solution. It handles large volumes of data, complex rule sets and custom modifications with ease. Externally, it is a sales tool: your customers configure your products themselves in your online shop, without your sales team having to step in. Internally, sales, sales support and other departments can quickly create quotes for made-to-measure products – without design expertise and without adding to the workload of production planning. Production data can be generated later at any time.

Your Benefit EOS

+ Cloud-based application
+ Secure data management
+ Save drawings centrally and versioned
+ Central material master
+ Easy management of CAD+T licences
+ AWS cloud included
+ Automatic data backup

Your Benefit E-Commerce

+ Using data from CAD+T EOS
+ User interface adaptable to your process
+ Dynamic 2D/3D product preview created instantly
+ Integration option for existing ERP/CRM systems
+ Scalable
+ AWS cloud included
+ Managing different access rights for different target groups

Your Benefit Configurator

+ Advanced software architecture
+ Production data and price calculations
+ Connect data to AutoCAD®, Inventor®, SketchUp
+ Connection to CRM- & ERP systems
+ Reduces the workload for designers
+ Live 3D preview
+ Exportable CAD/CAM data (with EOS Enterprise)

ERP

Whether you are a small, medium-sized or large company, we have the right solution for your business!

ERP Professional

ERP Professional from CAD+T is the first choice for managing your entire business workflow. From quotations and sales orders in the CRM through to procurement and production, all processes are seamlessly connected. The integrated feedback system keeps you up to date at all times – even on complex projects.

ERP Cloud

Reduce IT costs with cloud-based software. The ERP Cloud module allows you to work from any location 24/7 and automatically back up your data. This kind of data management offers a live connection to your suppliers' data, including price updates and item availability.

Your Benefit ERP Professional

- + Manage your entire business workflow
- + Sophisticated stock and material management
- + Invoice control
- + Extensive operations control
- + Different calculation schemes
- + Integrated CRM functionality
- + Microsoft® Office interface

Your Benefit ERP Cloud

- + Cloud-based application
- + Automatic backup
- + Interfaces to industry partners
- + Integrated configurator
- + Extensive reports
- + Mobile time tracking
- + 1D + 2D cutting optimisation

ERP Professional

For technically organised medium-sized and large companies. Choose from a variety of modules!

Commercial Order Management (Base licence)

+ CRM and project management
+ Pre-calculation, quotation and order management

Technical Order Management

+ Data transfer from CAD+T Software
+ Variable order and master material list

Purchase Management

+ Order management of stock and job-specific items
+ Supplier management (email, COMNorm and more...)

Stock Management

+ Handle minimum order quantities, semi-finished and finished goods
+ Automatic purchase-to-stock unit conversion

Operations Control

+ Pre-calculation and recording of production times
+ Post-calculation, statistics and more...

Capacity Planning

+ Planning with pre-calculated times based on cost centre, machine or human resources
+ Progress control of daily, weekly, monthly or yearly capacity planning

Order Tracking

+ Visualisation of current order progress
+ Automatic order control through comple tion confirmation via touchscreen, barcode
+ Automatic data takeover from technical order management
+ Multiple optimisation processes

Invoice Control

+ Project and order assignment
+ External and internal queries with suppliers

Interfaces

+ To all standard accounting systems
+ Adaptable interfaces to further systems through REST API

Cutting Optimisation

Add-on: ERP Professional App

+ Seamless ERP Professional integration & real-time mobile documentation
+ Digital signatures & GPS tracking
+ Intuitive time tracking with barcode scanning
+ Digital warehouse management

ERP Cloud

Available as an add-on for ERP Professional

Manage and integrate business processes within a single system environment.

With cloud-based ERP software, you are always up to date. This solution lets you work in the office or remotely and backs up your data automatically. EOS Essential forms the foundation for centralised data management, with a live connection for supplier data, price updates, availability and more. Choose the EOS module that fits your needs, from the technical basics to a comprehensive enterprise solution.

EOS Essential Highlights*

- Centralised data management with a single master database
- Automatic import of parts lists from the CAD+T software
- Production order management including versioning
- Ready-to-use reports, e.g. parts lists, material consumption, fittings, …
- 1D + 2D cutting optimisation (linear materials and panels)

* Only available as SaaS

EOS Professional Highlights*

- All features of EOS Essential +
- Configurator with built-in production know-how
- Pricing and costing, e.g. manufacturing cost calculation
- Customisable reports, e.g. parts lists, material consumption, fittings, …
- Mobile time tracking for different resources
- Live 3D preview of your design

* Only available as SaaS

EOS Enterprise

For medium-sized to large businesses with complex processes: individually tailored, including automatic drawing generation. Details on request.

EOS Mobile App

Stay in full control of your processes, projects, orders and quotes at any time – simple, transparent and directly connected to CAD+T EOS. Record attendance and log working hours by project or order, including workstation, down to the minute. With a search function, barcode and QR code scanning and intuitive timer controls, time tracking is quick and easy. Access important information in real time, from anywhere. EOS Mobile bboosts efficiency, creates transparency and provides a solid data foundation for time tracking and post-calculation.

EOS Feature Matrix

Product	Essential	Professional
Document management	+	+
Master data management	+	+
CAD integration	+	+
Reports (e.g. parts lists)	+	+
Configurator		+
Calculation		+
E-Commerce*		+
Time tracking		+
Production management		+

*incl. Stripe and PayPal Integration

Learn more about our products

CAD+T

CAD+T HEADQUARTER

CAD+T Solutions GmbH
Gewerbepark 16
4052 Ansfelden
Austria
T +43 7229 83100 0
E office@cadt-solutions.com
W www.cadt-solutions.com

CAD+T WORLDWIDE

Germany, Italy, Switzerland,
United Arab Emirates,
South Africa, India, Australia

Follow us on

OUR CERTIFICATES

TÜV AUSTRIA ZERTIFIZIERT TÜV AUSTRIA GMBH
EN ISO 9001 20100213010438
ISO 21001 20285223014508

OUR PARTNERS

AUTODESK
Product Specific Reseller (PSR)

hp aws

ZEBRA