SOLID EDGE

A complete product development portfolio

Solid Edge provides engineers with an advanced design platform that is accessible to everyone within your organisation. This solution guide will give you all you need to explore the platform.

EMIXA

SOLID EDGE

Enhance innovation with a powerful, easy-to-use design environment

Design high quality and innovative products within a single environment. Quickly make revisions and reuse CAD data to improve cost and time savings throughout the design process.

Solid Edge is scalable within both small and large companies and can be integrated all the way up to the full PLM functionalities of Teamcenter.

EMIXA

Contents

Key Features

Solid Edge provides next-generation technologies that solve today's toughest product development challenges and can be used to enhance collaboration and fully digitalize the design to manufacturing process.

Learn more

Solid Edge 2024

Did you know?

Solid Edge 2024 empowers users to design more intelligently across every aspect of product development.

Find out more

Additive Manufacturing

Streamline the creation of 3D parts with various tools to ensure parts are created correctly first time, quickly and easily.

Find out more

Model Based Definition

Enable the production of a complete digital definition of parts and/or assemblies using 3D models as well as providing more effective communication between engineering and manufacturing.

Find out more

Sheet Metal Design

A core design capability that includes an entire design-through-fabrication workflow and streamlined modelling commands tailored to the unique needs of sheet metal design.

Find out more

Synchronous Technology

Solid Edge CAD software enables you to design as quickly as you think and make changes easily at any stage of the design process.

Find out more

Augmented Reality

Connect the digital environment with the physical world by displaying 3D CAD data models as actual products.

Find out more

Mechanical Design

Visualise ideas to bring products to life by using best in class productivity tools and access all necessary information required for manufacturing.

Find out more

Next Generation Design

Integrated access to state-of-the-art 3D technology to visualise and validate designs through using mesh data tools that will speed up the work process and prove more useful in the design workflow.

Find out more

Generative Design

Advanced typology optimisation tool kit allows designers to create lighter components, minimise material waste and create highly customisable designs.

Find out more

Solid Edge Simulation

Easy-to-use, built-in finite element analysis tool that enables design engineers to digitally validate part and assembly designs within the Solid Edge environment.

Find out more

FLOEFD

A computational fluid dynamics (CFD) analysis tool for fluid flow and heat transfer that is fully embedded in Solid Edge software, and it is a premier frontloading CFD simulation tool.

Find out more

3D Rendering

Create realistic illustrations of the final product for the use of internal and external marketing.

Find out more

Cloud Enabled Design

Opportunity to install and use the software anytime, anywhere, on any machine. The software is updated automatically and can be used offline.

Find out more

EMIXA

PCB Design & Collaboration

Automate design of printed circuit boards with the clean and easy to use interface and schematic tools, which are accessible to both novice and expert PCB designers.

Find out more

Technical Publications

Communicate product designs quickly and easily by using templates to create brochures and manuals for the end product user.

Find out more

Requirements Management

Record, maintain and track key principles of product design by using the requirements database to attach information to the relevant parts and accessed at any time to avoid costly edits later in the manufacturing process.

Find out more

P & ID Design

Speed creation of intelligent P & ID schematics and 3D pipping models, ensuring they are created right first time, every time.

Find out more

Electrical Design

Electrical database and parts management system provide a central location to organise and retrieve electrical parts and information that are specific to a range of industries.

Find out more

CAM Pro

A modular, flexible configuration of numerical control (NC) programming solutions that allows you to maximise the value of your machine tools.

Find out more

2D Nesting

A powerful standalone module designed to generate optimised layouts for the two-dimensional cutting of fabrication materials, including sheet metal, plastic, wood, fabric and textiles.

Find out more

Data Management

Collaborative software that enables the user to search for files based on various criteria in order to access the latest versions to reduce rework and errors.

Find out more

What's new in Solid Edge?

Explore here

How can you create lighter, stronger, cheaper products with Solid Edge Generative Design?

With the Solid Edge portfolio you can create detailed 3D, digital models also known as a digital twin of your proposed products and use this as the basis for all areas of product development including prototyping, simulation, manufacturing, and installation.

Watch Video ▶

What's new in Solid Edge

Introducing Solid Edge 2024 —a game-changer that equips you with the tools to unlock the potential of intelligent product design.

With a focus on enhancing user experience and large assembly performance, Solid Edge 2024 brings forth new functionalities and enhancements, aiming to streamline your design processes and foster collaboration.
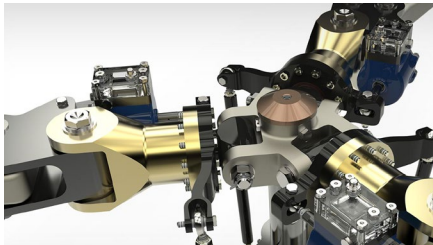
Watch Video ▶

EMIXA

Further Learning

Take a look at some of our resources to learn more about Solid Edge and how the software can bring a range of benefits to your company.
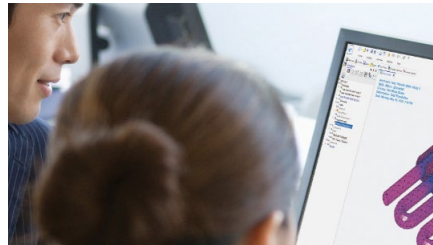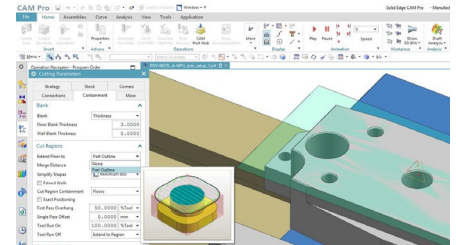
Join one of our events to learn more

View our Events
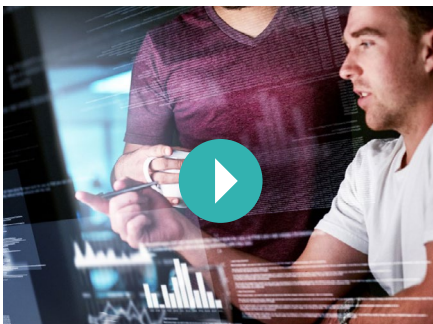
Downloadable Resources

Download
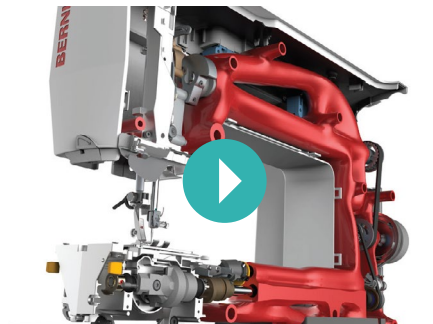Solid Edge Brochure

Download
Solid Edge Simulation
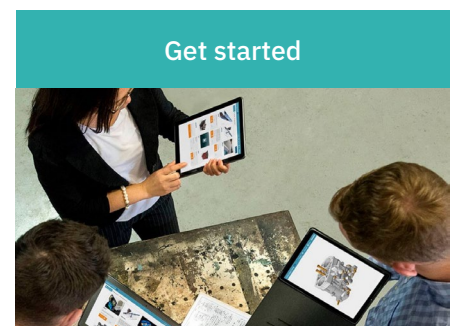Fact Sheet

Download Solid Edge
CAM Pro Fact Sheet

Video Learning
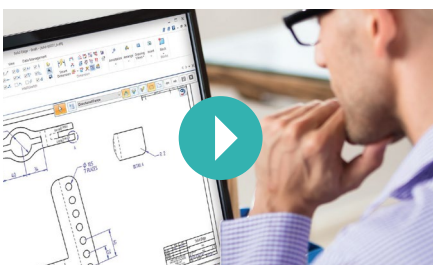

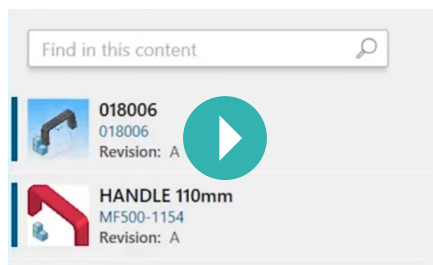Solid Edge Overview

Next Generation Design

Get started

Download
Free Solid Edge
30 Day Trial

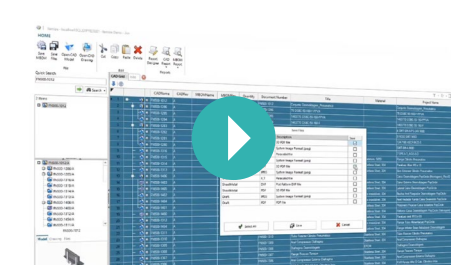**Visit our On Demand web page to view all webinars, articles, videos and case studies**

Explore On Demand

2D AutoCAD to
3D Solid Edge
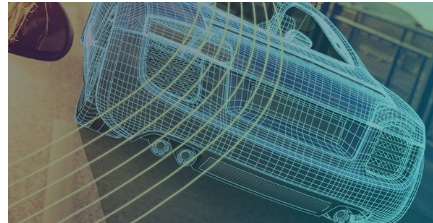

Solid Edge
Data Management

Itemise for Solid Edge

EMIXA

Our Industries

Click on each industry to find out more information about how Solid Edge can over-come today's business challenges and transform your design process.

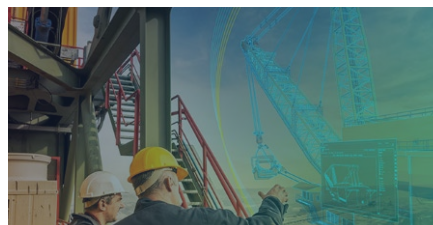Aerospace & Defence

Automotive & Transportation

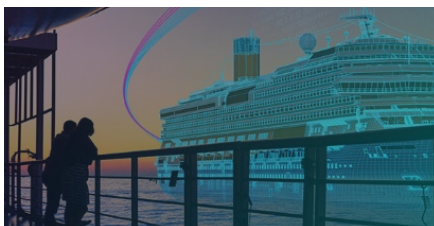Electronics & Semiconductors

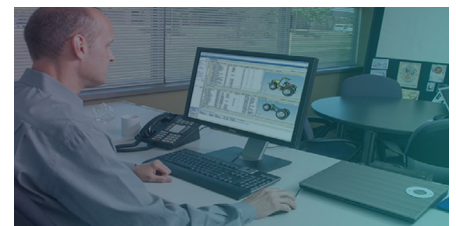Energy & Utilities

Industrial Machinery

Pharmaceutical & Medical

Marine

Consumer Products & Retail

SMBs

Importance of Digitalization

Digitalization promises lower costs, improved production quality, flexibility and efficiency. Take a look at our video to find out more.
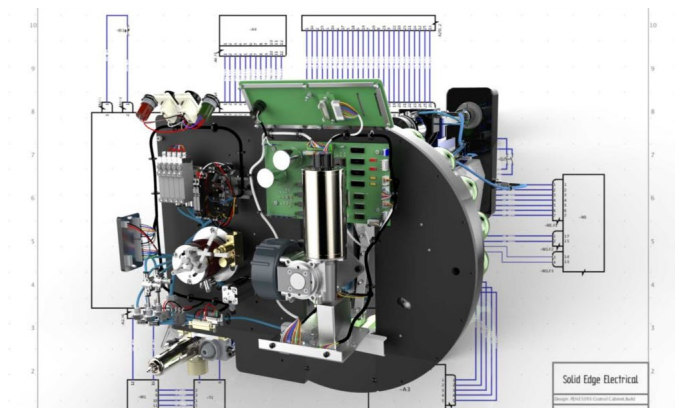
Who we work with

EMIXA

Choose Your
Solid Edge Option

We have a range of licensing options available to suit your business needs.
You will have access to a team of experts who will ensure you have all the information you need to get you up and running, fast.

**Solid Edge 60 Day Free Trial
- Access in 60 seconds**

Perpetual Licensing

Our perpetual license for Solid Edge provides you with key software tools that you own permanently after one initial purchase. You can select from multiple license tiers of Solid Edge to access the tools you require and ensure you have everything you need to achieve your business goals. The software will be available for you to use indefinitely, offering powerful and extensive engineering capabilities whenever you need them.

Subscription Licensing

Subscriptions offer flexibility, cost-effective licenses, and a way to easily increase or decrease the number of software licenses depending on your business needs. Subscription licensing is ideal for organisations that require software tools for short to medium term usage. For those requiring complete flexibility with their software licensing, this is the perfect solution.
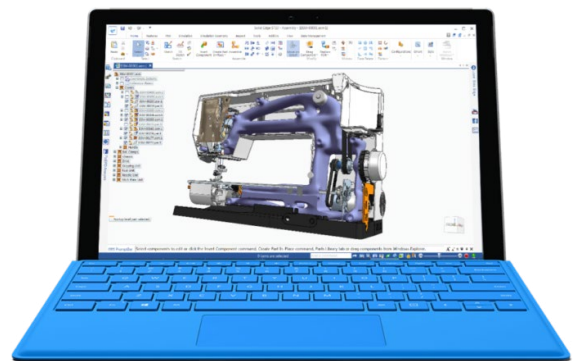
Token Licensing

Value-Based Licensing allows you to choose and access the add-on capabilities you want when you need them. This new flexible licensing option for Solid Edge gives you instant access to integrated add-on products: Generative Design Pro, Point Cloud Visualization, Electrical Routing, PCB Collaboration, Advanced PMI, Simulation, and Solid Edge XpresRoute. Easily mix and match add-on products with a flexible and developing token system.

What's new in
Solid Edge?

With a focus on enhancing user experience and large assembly performance, Solid Edge 2024 brings forth new functionalities and enhancements, aiming to streamline your design processes and foster collaboration.

Watch the video

EMIXA

Training Options

We want to help you get up and running fast, that's why we offer a range of training options so you can achieve your business goals and transform how you work. Here at Emixa UK, our experienced team have decades of experience within the design and manufacturing industry and our training is delivered by our industry-experts, who are here to support you throughout the session and beyond.

Remote Training

We offer remote training online in a secure environment that you can attend solo, or with your team. You will still receive the same expert-level of training from our experts to ensure you have everything you need to get the most out of your software solutions.

Classroom Training

We know that for some, nothing beats training in person and having someone in front of you sharing their knowledge and expertise.
Join us at our head office in Oxford where our experts can deliver industry-leading training and be on hand to ensure you have all the knowledge and skills you need to get the most out of your software. This training is available at our head office or at your site.

Bespoke Training

Every business we work with is completely different and some businesses need more specific training than others. We can deliver bespoke training packages specific to your business needs to ensure you get the most out of your software. Our experts have the industry knowledge necessary to provide high-quality and accurate training that will give you everything you need to tackle even the most complex tasks.

Fripp Design & Research

"There were only four of us and it was really, really useful to be in a small group. We immediately felt very confident about Emixa UK, as if we were acquiring a new partner who really understood our business. This was very reassuring."

Cooke Optics

"Although we have to be speedy, efficient and precise we do not have major issues, that is because we can anticipate and plan using Solid Edge; it is part of our success story. Likewise, Emixa UK assists us in developing our skills and keeping up to date with software and hardware."

Whale

"When we asked Emixa UK to provide training, the technical team tailored the content completely and delivered bespoke training on our site so that we could practise with real-life design projects. Because that was so effective we find that we do not need technical support very often."

Standard Training

Core Courses:

- Design Essentials
- Advanced User
- Drafting
- Sheet Metal
- Simulation
- Synchronous Migration
- Surfacing
- Revision Update
- Technical Publications
- Keyshot
- Data Management
- Motion Simulation

Learn more

Specialist Courses:

- Harness Design Essentials
- Harness Design Advanced
- Piping & Tubing
- P & ID, Piping Tubing, ISO
- FLOEFD
- CAM Pro
- 2D Nesting
- Generative Design
- Scanning & Reverse Engineering
- Frame & Weldment

Explore Specialist Training

EMIXA

Use your processes with the best tools, to get things done faster in the right way.

At Emixa UK we have almost 25 years' experience of supplying industry-leading Solid Edge Software solutions to organisations that design and make. We also have the largest, most diverse and highly rated technical team for your training, consultancy and support needs, who combined have over 600 years of hands-on experience.

Consultancy

- Solid Edge Best Practices
- Methods & Procedures
- System Configuration
- Skills Validations
- System Performance
- Managed Services
- Engineering Consultancy

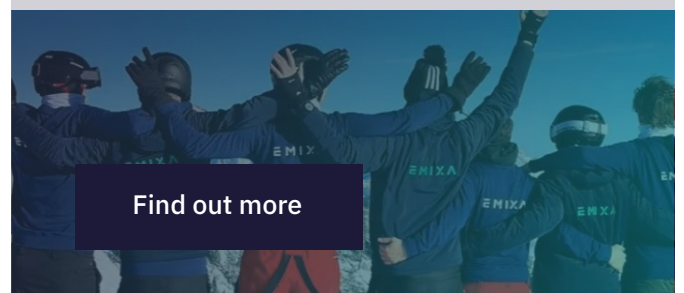**Learn more**

Solid Edge Itemise

Itemise is a standalone software that has been developed by us here at Emixa UK.

It automatically and seamlessly connects your MBOM to CAD design BOM. The software portal allows you to communicate CAD data downstream to ensure the most up to date information is being used. Itemise is effective, easy to deploy and simple to use.
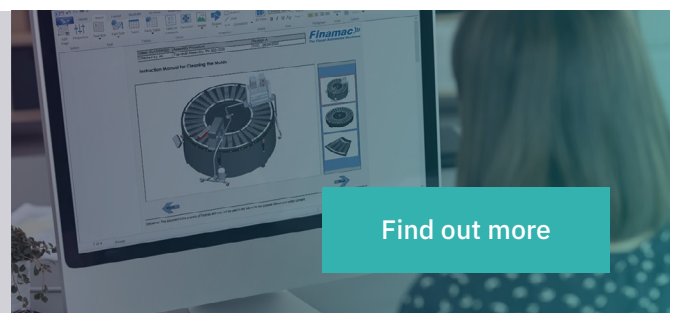
Find out more

Our People

Our mission at Emixa is to create an organization where people can grow and develop themselves to the fullest. We collaborate to help ourselves and our clients excel in the most positive and impactful way.

Find out more

PLM Software Solutions

Elevate product development with integrated design, simulation, manufacturing and PLM software solutions. From concept & digital twins to manufacturing, streamline workflows, foster collaboration, and ensure precision at every stage for innovative and efficient product realisation.

Find out more

EMIXA

Case Studies

MasterMover

MasterMover electric tugs can be found all around the world. The design department used Solid Edge to create a logical numbering method for all components and sub-components, along with a searchable and filter-able database, ensuring complete traceability and access for all business functions.

By using Solid Edge, MasterMover have:
- Tripled annual turnover over eight years
- Increased exports from 5% to 45% of turnover
- Significantly reduced development time

Learn more

Ten Kate Racing

Netherlands-based Ten Kate Racing runs the Pata Honda World Championship team. Transforming high-performance Honda motorcycles into finely tuned racing machines, with components needing to be redesigned and tested in the short period between races.

Through using Solid Edge, Ten Kate Racing have:
- Cut machining lead times by 50%
- Designed and manufactured new parts between races
- Rebuilt bikes quickly after crashes
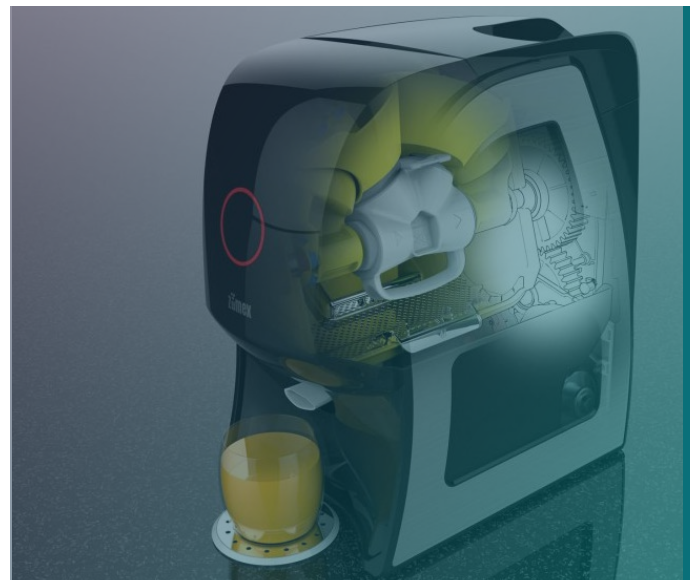
Learn more   Watch video

Zumex

Zumex markets products in more than 80 countries, placing its goods in large retail chains such as Starbucks and in corporate cafeterias such as those for Apple and Facebook.

Zumex engineers were tasked with creating a completely new machine and with the use of Solid Edge they have:
- Reduced development time by 50%
- Increased collaboration between departments
- Enabled high definition of products prior to manufacturing

Learn more

About Emixa

We at Emixa are a Digital Transformation specialist that help make businesses more agile and efficient through the use of world leading core technologies; PLM, ERP and Low code. To drive maximum efficiency and seamless collaboration, we also provide services in management consulting, integration and data analytics which create business value and increase competitive advantages leading to optimal performance and results. With a focus on the manufacturing industry, coupled with our decades of experience and global footprint, we at Emixa can help your business innovate, accelerate and attain new heights.

Watch Video ▶

Explore our full range of solutions and discover what's right for you

Explore all our solutions