

## **Tebis Offers Best Practice For CNC Process, Standardisation and CAM Automation**

While Tebis is well known as a premium CAD/CAM and MES software company who offers advanced solutions for model, pattern, die and mould making as well as component manufacturing, Tebis also helps customers to standardise their CNC processes and to automate their CAM work.

Joe Zhou, Managing Director at Tebis UK explains: “Manufacturing process should be consistent and reliable. This is where Tebis can help companies by standardising their CNC processes and automating their CAM work. The best practise of a company can be built into Tebis library database which can then be shared and reused for a daily operations. This will help to optimise uses of machine capacities and cutting tools as well as to optimise the machining processes and machining parameters”. Tebis works together with customers to define goals and to achieve them, with experiences of hundreds of projects done worldwide. For the outstanding work in this area, Tebis won Top Consultancy Awards in Germany for both 2017 and 2018.

Tebis CAD/CAM software provides 5 database libraries to store manufacturing information: Virtual machines with clamping devices, cutting tools with advanced machining parameters grouped for different materials and different machines, geometric features associated with machining features, machining cycles and machining processes.

Joe also states: “Tebis is very advanced, comparing to most CAM packages, which utilises colour scheme and layer information to match CNC machining processes to automate CAM work”. The libraries contain standardised processes for fast programming times through automation while also ensuring consistent quality. Traditionally, CNC machining processes are programmed by CAM engineers with interactive operations of CAM software. While this requires highly skilled CAM engineers, CNC machining processes are dependent on individual CAM engineers and the machining results may vary from one to another.

Tebis CAD/CAM software not only provides 5 database libraries to store best practice machining data but also provides advanced tools to manage the database libraries. Joe also clarifies: “The data libraries are usually stored on the company computer network cloud, managed by system administrators, and utilised by individual CAM engineers for daily operations”. This means that individual CAM engineer can automatically use any updated manufacturing data. This is especially helpful when there are many engineers who work different shifts or at different locations.

Joe concludes: “The benefits of having these 5 libraries are to ensure consistent high quality results by optimising and standardising the manufacturing process. By adopting CAM automation, work pressure will be reduced along with CNC and CAM work costs. CAM

automation also helps to reduce new CAM engineers' learning curve and relieves skills shortage".

To find out more, please get in touch with Tebis today to arrange a demonstration! Simply click [here](https://www.tebis.com/uk/en/contact/contact-form/)- <https://www.tebis.com/uk/en/contact/contact-form/> and fill out the form. We will be happy to help you.