

## Product Review in JAPAN

### TAIYO MACHINERY MFG.CO.LTD.

Taiyo Machinery Co., Ltd. specializes in core components such as automotive gear parts and engine oil pumps, conducting direct business transactions with domestic automobile manufacturers and transmission manufacturers in Japan.

For gear parts, the company performs integrated production from raw machining, heat treatment, and finishing processes to completion. They are also involved in the assembly of manual transmissions. Furthermore, the production technologies and quality assurance capabilities cultivated in the automotive parts sector are being extended to various fields, including aircraft components, industrial machinery parts, air conditioner components, and machining processes, among others.

#### Implemented System:

#### "HandyCAD MarkII": Mill Application 2.5D & Lathe Application

Sonobe Factory's Technical Department, Machining Section, primarily engaged in prototyping, utilizes this system for the precise machining of aircraft and automotive components.

#### Why did you introduce "HandyCAD Mark II"?

In the Machining Section, this was their first introduction of a CAD/CAM system, and several systems from different CAD/CAM manufacturers were considered.

"HandyCAD MarkII" stood out due to its well-structured commands, simplicity of operation, and user-friendliness. After careful evaluation, it was chosen over competitors for its lower price and the affordable maintenance and running costs from the second year onward.



#### Have you seen any benefits from using "HandyCAD Mark II"?

Efficiency has increased by approximately 50% to 60% compared to when programs were manually entered!

Before the implementation, manual entry often led to errors, but since adopting "HandyCAD MarkII", errors have been eliminated. Previously, importing CAD drawings from other companies frequently resulted in conversion issues. However, with "HandyCAD MarkII", data formats such as DXF, DWG, and STEP are converted with high accuracy, which has been a great help.

In aircraft components, a precision of 1/1000 or higher is required. With "HandyCAD MarkII", the precision of machining data is excellent, enabling accurate machining.