

# DFM Studio™

Automatic Manufacturability Assessment System

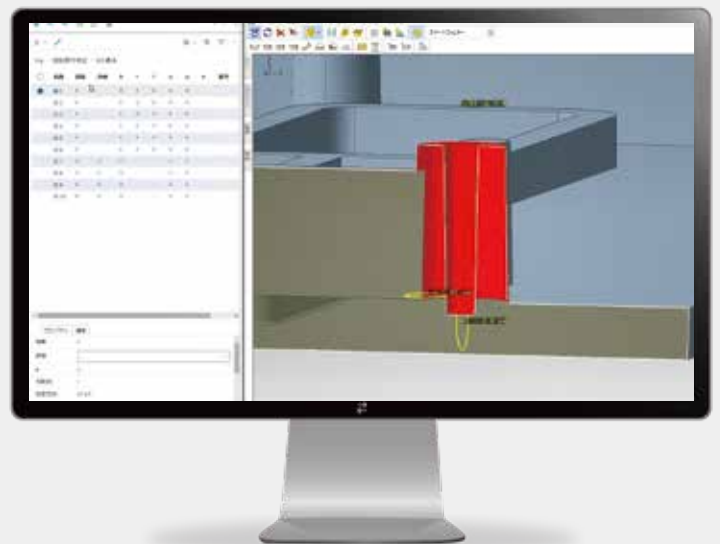
## Automatic Manufacturability Assessment to Allow Innovative Design

DFM Studio is a solution to auto-evaluate the quality of your design in terms of manufacturability, machinability, and moldability based on the design CAD models.

### Fix Potential Manufacturability Issues in Early Design Phase

It is almost impossible for even experienced engineers to design optimally considering the full manufacturability of the product.

DFM Studio aids design engineers during the design process by detecting potential manufacturability issues through geometry feature analysis. This helps eliminate the risk of spending hours or even days on engineering changes to fix issues raised by production engineers, and cause a delay on the entire production lead-time.



#### Automatic Evaluation to Save Engineers' Time

Release design engineers from tedious, human eye manufacturability checks to facilitate value-added creative work.



#### Eliminate Rework to Shorten Lead-time

Minimize the risk of rework after dispatching the data to post processes, reducing lead-time.



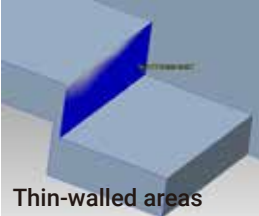
#### Cost Reduction through Standardization

Reduce the manufacturing costs by avoiding complex tooling, standardizing the hole diameter, etc.

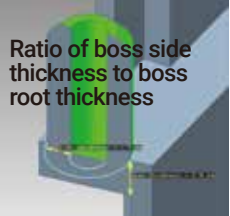
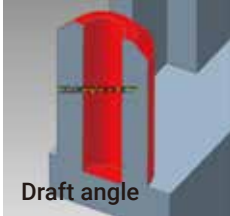
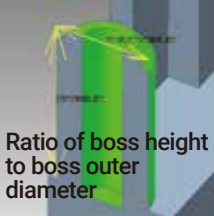
# Pre-set Check Criteria

## For Plastic (Resin) Part

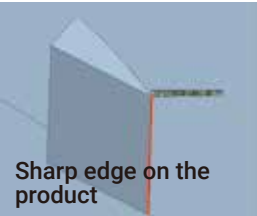
### Wall Thickness of Product



### Boss / Rib



### Sharp Edge

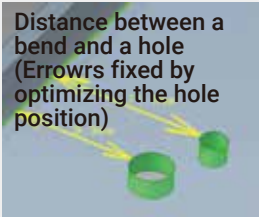
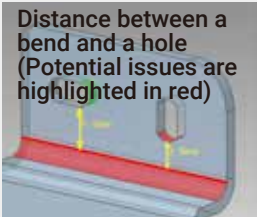


### Other Check Criteria

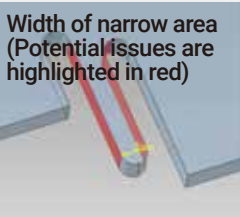
- Undercuts
- Tiny fillets (R)
- Thin parts (Mold)
- Holes

## For Sheet Metal

### Distance between Bend and Hole



### Width of Narrow Area



### Other Check Criteria

- Bosses
- Burring
- Holes
- Half-punching
- Engraving
- Dowels
- Bridges
- Overhangs
- Bends / Flanges / Hemings

