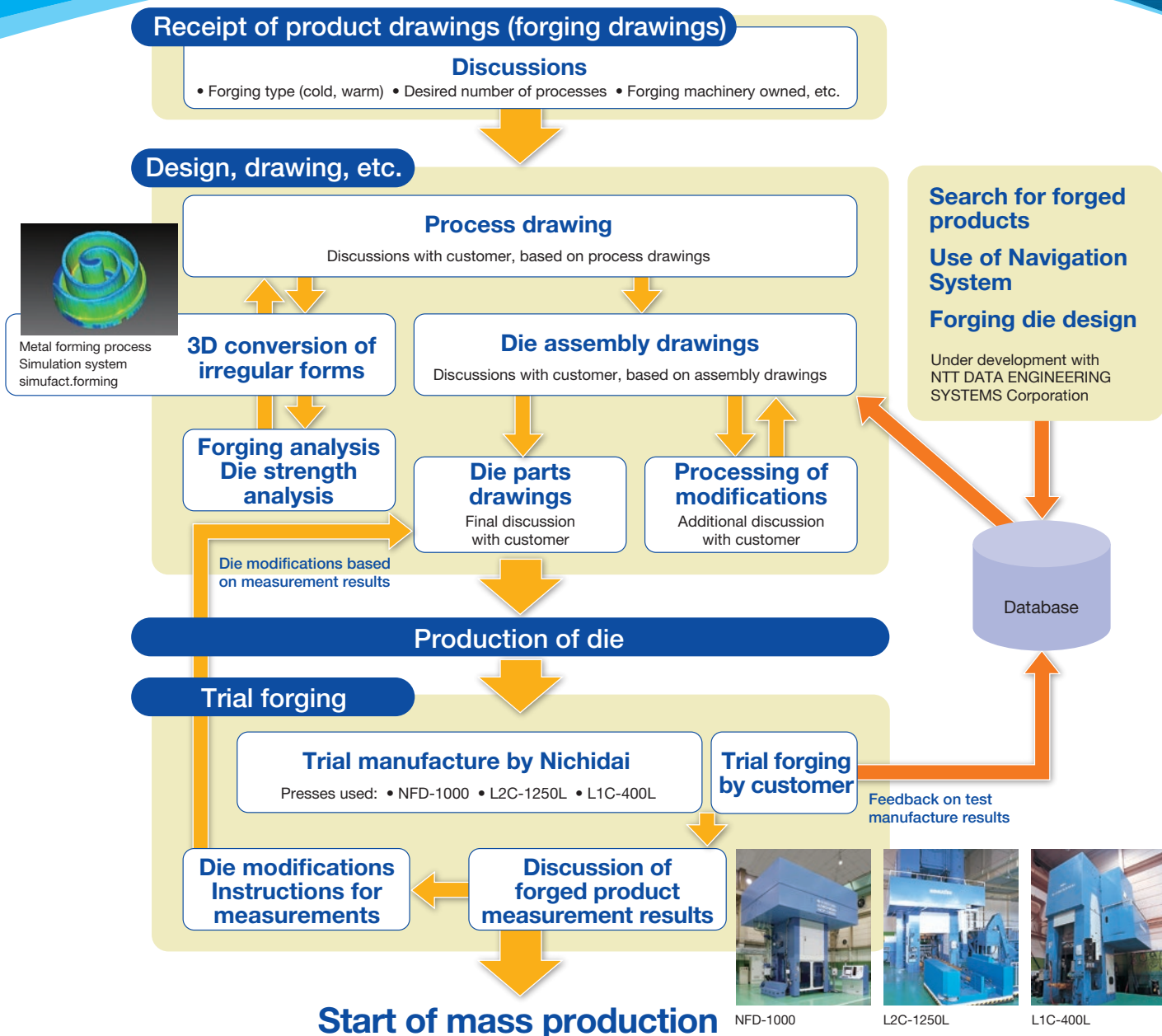


Total Engineering Systems



Nichidai offers customers support for precision forged products, beginning with process design. We also meet customers' requests for outsourced prototyping of precision forged products as well as startup and spot production, and provide precision forging technology and development support.



In addition to die manufacture and sales, Nichidai supports customers' product development through partnership and offers precision forging technology that spans development to mass production.

With the latest development support systems, we support total engineering systems.

CAE Environment

Nichidai has introduced the latest CAE software. We also respond to requests for analyses of all types.

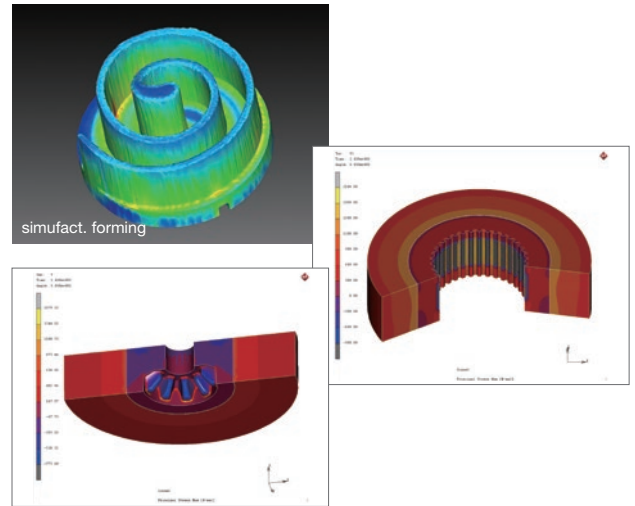
2D forging and die analysis system

This system helps estimate die strength and die life based on such data as the stress concentration of the die radius, the stress distribution of the entire die and the state of deformation.

3D forging and die analysis system

This system performs 3D simulation of load and deformation of bevel gears, spiders, clutch gears, and other non-axisymmetric products, which are not easily handled by 2D forging analysis systems. This allows collection of more practical data.

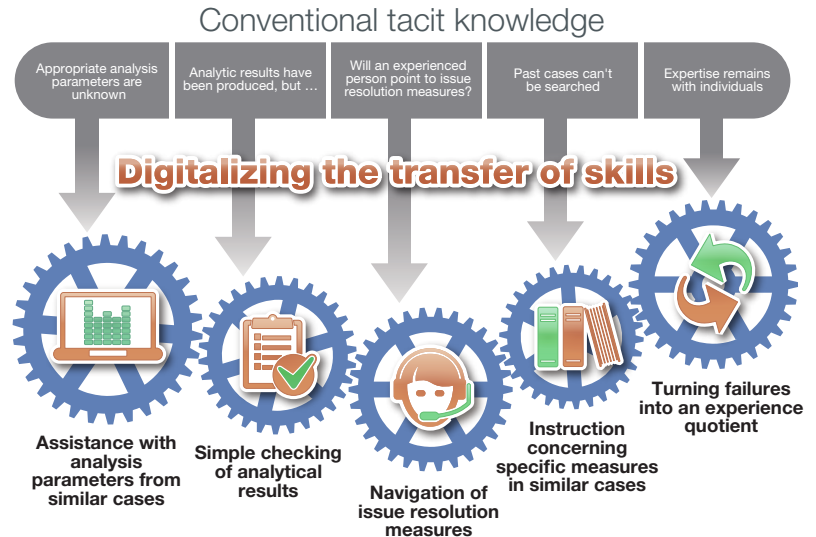
Dedicated forging software: simufact. forming



Navigation System for Forging Die Designs

Nichidai is developing Navigation System for forging die designs, combining its own precision forging technology and the CAE technology of NTT DATA ENGINEERING SYSTEMS Corporation.

- Conversion of design technology for precision forging, conventionally accumulated as tacit knowledge, into explicit knowledge.
- An effective tool for increased efficiency in the transfer of skills to young engineers, and fast launch of overseas businesses.



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