We use simulations to design and manufacture press dies in-house as optimum dies for the production of auto body frame components. Moreover, we use three-dimensional measuring instruments for thorough accuracy management of dies composed of multiple complex curved surfaces. We also plan, propose, and construct highly efficient production lines that meet a wide range of customer needs.

Design, Development, and Manufacturing of Dies

We design press dies using our proprietary simulation technology. High-performance NC machines, large-scale tri-press machines, high-performance measuring instruments, and other equipment are used to develop high-accuracy dies.

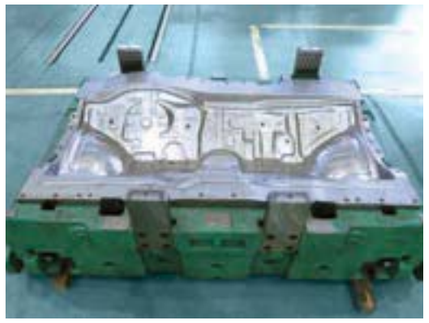
Die design

Press die formation simulation

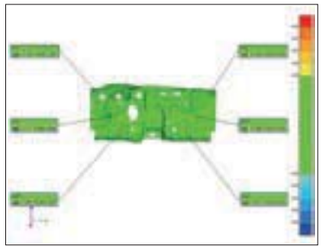
As auto body frame components feature complex shapes, they are formed step by step from flat steel by using multiple press processes. Performing press die formation simulations in advance makes it possible to develop new products more rapidly and assist with the creation of dies that produce high-quality products and develop optimal processing methods.

NC processing machine

Press die



Non-contact three-dimensional measuring instrument



Design and Manufacturing of Weld Assembly and Automation Equipment

Our lines are synchronized with our customers' production lines, and can flexibly adapt to accommodate fluctuations in production. We also develop and promote a range of welding equipment for increasing production efficiency.

Robot simulation

Various parts produced through the press process are assembled on welding robot lines into frame components, such as pillars of automobiles and other products used in the cabin. Our simulation technologies are also fully utilized for these welding processes from the initial planning stages. These simulations make it possible to design optimal lines that offer highly efficient production of high-quality products. They also reduce welding line construction times, enabling rapid response to continually changing market needs.

Welding line

Specialized Equipment

We help customers renovate their production systems through development of various types of equipment, and planning, making proposals, and construction of highly efficient production lines. By bringing robots' operational potential into full play, utilizing user-specific know-how, we offer production equipment with greater efficiency at lower cost that reduces the operator burden for a wide range of customers mainly in the automotive industry in Japan and abroad. Our originality and innovativeness are highly regarded by our customers.

RR MBR line

New technology development for manpower saving on welding lines

3D Vision Robot Try