



This photo is presented through the courtesy.

VESSEL bits are born in Izumo (Shimane Prefecture), a land famous for mythological legends and "tatara", the iron sand from which the forging steel of Japanese swords comes from. Since long ago, the Izumo area has been producing iron sand of high purity. This is where "tatara work-

ing" - a process for making steel unique to Japan - has thrived. VESSEL's factory is located plump in the cradle of this Japanese steel. From here, VESSEL delivers industrial bits with solid confidence to assembly factories around the world.

## MATERIALS

Any wear and fracture found on our bits not only reduce the job efficiency but also lose the reliability of the assembled products. VESSEL knows that the quality of our bits first upon correct selection of materials. For this reason, we are developing a variety of bit materials to meet diverse needs. We blend elements such as Carbon, Silicon, Magnesium, Nickel, Chrome, Molybdenum and Vanadium into our steels, and drawing forth their inherent characteristics through our long experience with heat treatment processes. Therefore, the tips of our highly durable bits are wear and shock resistant, as well as functionally well designed.



## ACCURACY

Accuracy of size and shape are essential in the manufacture of precision bits. Therefore our bit materials are stocked as bars, before being machined or shaped. This reduces the possibility of changes due to heat treatment or stress in the manufacturing process. Not only shaping accuracy but also uniform quality is exceptionally high.

Even an excellent bit would still be useless if it did not fit the screw head.

Therefore our pursuit of accuracy begins with our consultations with the manufacturing engineers at our customer's factories. We work with our customers, because we know that we must manufacture bits which fit the exact purpose for which they will be used.



## QUALITY CONTROL

Following VESSEL INDUSTRIAL CO., LTD. (our screwdriver manufacturing division), VESSEL SHIMANE CO., LTD. (our bits manufacturing division) obtained ISO9001 Quality System approval certification in 2002. We are pursuing the good environment in order to produce the handy tools.

### Certification Report

Our manufacturing division: VESSEL SHIMANE CO., LTD.

Target products: Bits

Certifying body: Japan Quality Assurance Organization (JQA)

Registration number: JQA-QM7710

Certified date: January 25, 2002

