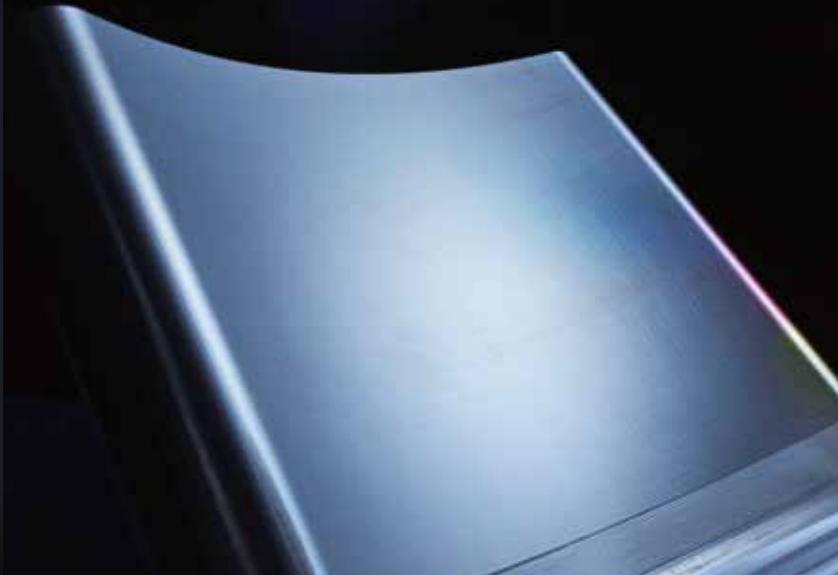# 5-AXIS SERIES

"Juomujín"

Boundless possibilities

Achieve more creativity

- Perform difficult and time-consuming machining with higher accuracy and efficiency.

- The 5-Axis tool series, "JUOMUJIN", was created by accumulating DIJET's many years of knowledge and overcoming difficult issues with in-house production from material design to final products.

- The unique shape and functions have been calculated and found effective with 5-Axis machines.

- "JUOMUJIN" pushes the limits of manufacturing and opens infinite opportunities......
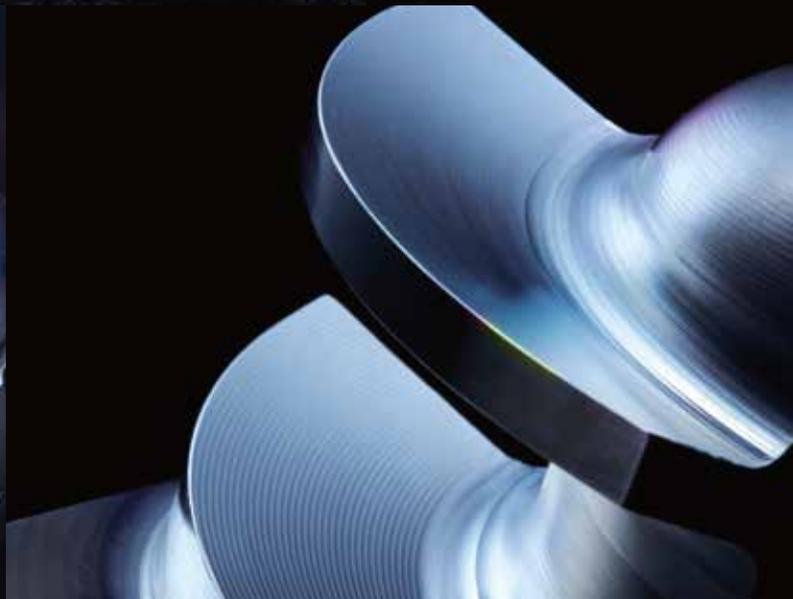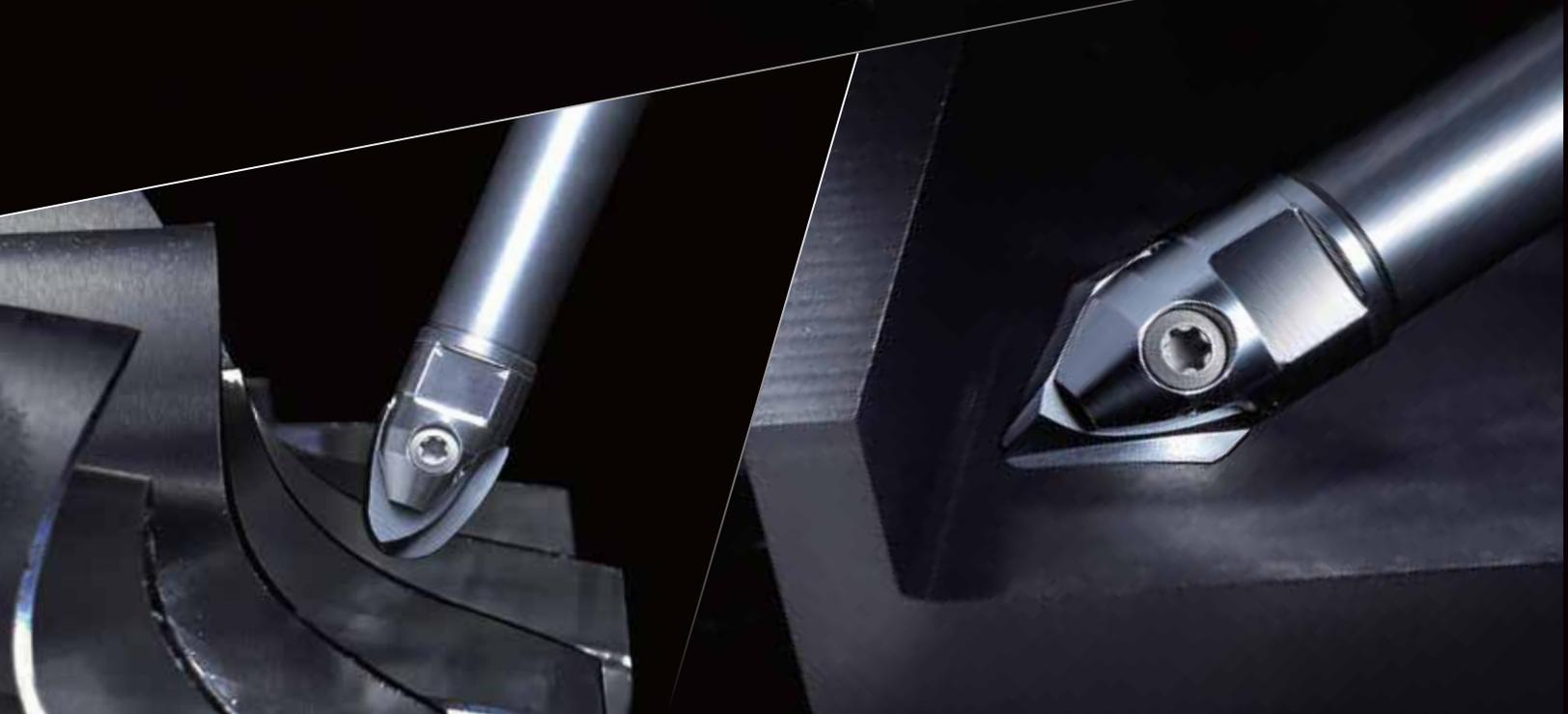
than you can imagine!

5-AXIS SERIES

"Juomujin"

Boundless possibilities

5-Axis machining with Mirror Barrel

Improves machining accuracy by utilizing knowledge from our Mirro

KRM type

High-precision finishing for side wall and bottom face.

Makes general finishing on side wall work more accurate.

TNM type

Capable of machining narrow 3-dimensional curved surfaces and is ideal for simultaneously machining of 5-axis.

Suitable for machining impellers & bladed disks.

TPM type

High-efficient machining side walls and corner R machining at the tip R is possible.

Suitable for machining side walls of die & mold and other parts.

LRM type

Specialized tool for machining gently curved surfaces.

Suitable for machining gently curved surfaces of stamping dies and bottom face of turbine blades.

T's unique know-how

5-Axis machining with tooling

Achieves general purpose machining
without cause for interference.

SFSR type

Supports a wide range
of work materials
machining from roughing
to finishing, prevents
chattering, and
capable of plunging.

SFSB type

High-precision
machining in a
wide range of work
materials and machining
from roughing to
finishing.

5-Axis machining with shape specialization

High-efficient tool with a shape specialized
for specific machining.

STLP type

High efficient
machining on tilted
and curved surfaces
with extra-large
barrel radius on
cutting edge.

MQT type

High speed
machining of side
walls by adopting
inserts with barrel R
cutting edge.

FJVA type

Suitable for
high-efficient
machining such
as turbine blades.

TECHNOLOGY

Designs that allow you to machine freely & quickly

5-Axis machining is attracting attention

Advanced machining technology that enables high-precision and high efficiency.

Interest is growing with 5-Axis machining to meet the growing complex and rapid machining needs. 5-Axis machining is effective not only for special shapes but also for general machining. Some advantages compared to 3-Axis machining are shortening time & processes, improvement of accuracy and cost reduction.
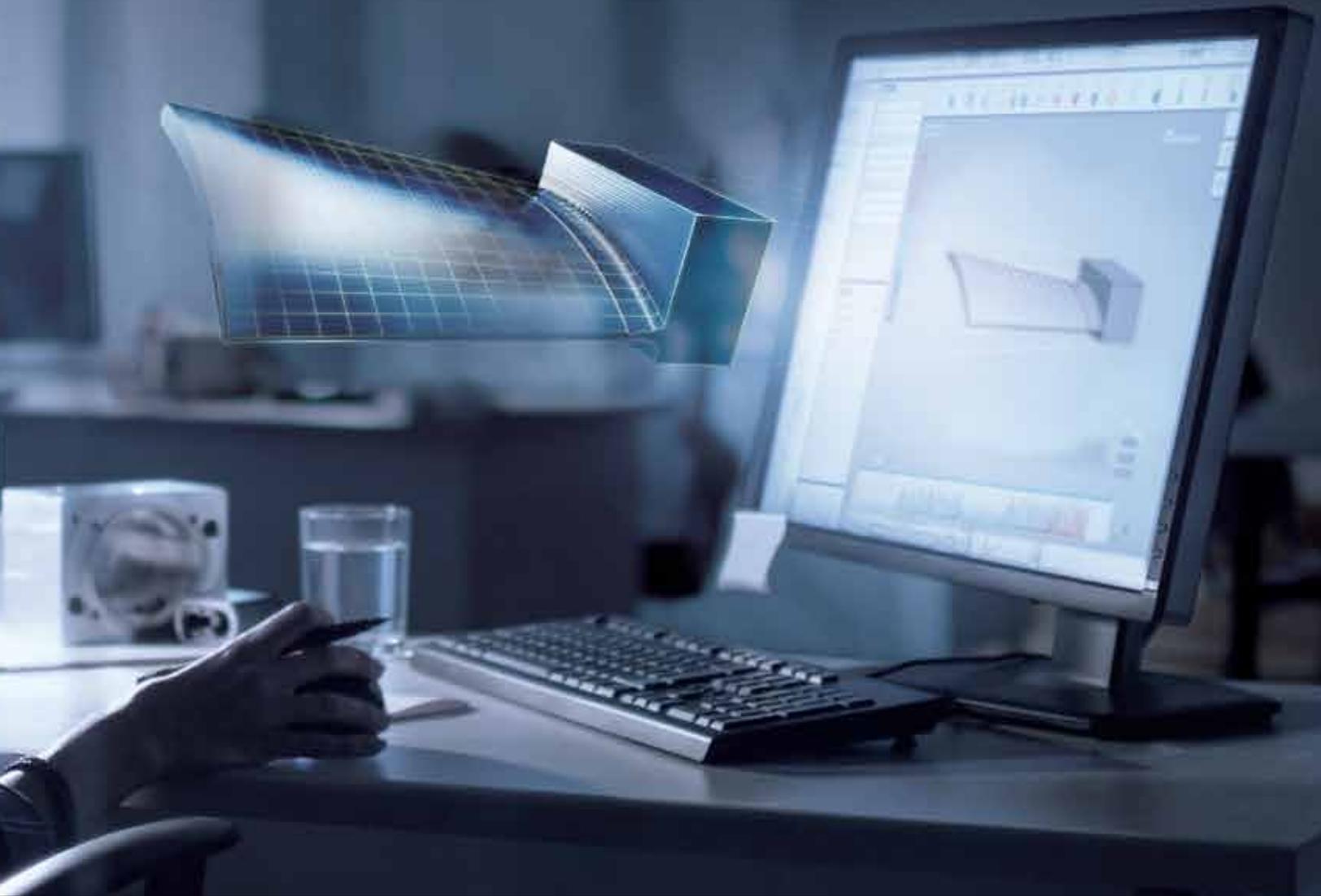
"Juomujin" Series

A lineup that supports machining of complex shapes found in the Die & Mold and Aerospace industries.

Cultivated with knowledge of many years in developing tools that meet the customer's needs. We have a line-up of various tools centered on the Die & Mold and Aerospace industries that require 5-Axis machines.

Our ability to develop suitable carbide grades from raw materials for the customer's work piece is one of our unique strengths.

SUPPORT

Three types of support to introduce customers to 5-Axis machining

SUPPORT 1

Provide tool data necessary to create machine programs

For 5-Axis machining we can provide the tool data in either .dxf or .step formats found on our website. This ensures the customer can accurately simulate tool when creating machining programs with CAM.

SUPPORT 2

Technical support in tool selection and machining

We will help you select and/or propose tools suitable for your machining application along with the best possible carbide grade for your work material. Based on your tool; we can share information with you for the optimal cutting conditions and machining methods.

SUPPORT 3

Technical support is in collaboration with CAM manufacturers

Our tool information is linked with the management system of each CAM manufacturer. When creating a program, we can suggest minor changes to help you smoothly import tool data and define tools.

**5-AXIS
SERIES**

https://dijetusa.com