

- Applicable with tool tip angles of 90 or less using the twisting method!
- The integrated tool holder decreases weight
- Holds MAX 18,000rpm!

# Twist Cutter

ツイストカッタ

Chamfering  
/Deburring tooling



KREUZ Co.,Ltd.

株式会社クロイツ

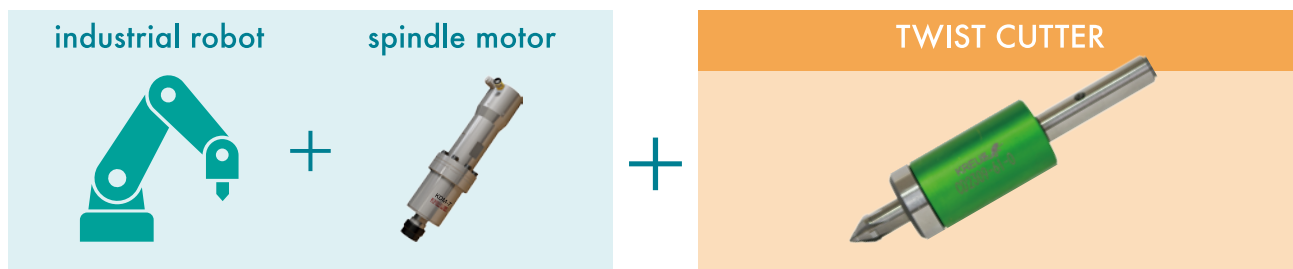
MADE IN JAPAN

# Twist Cutter

## ツイストカッタ

This holder is essential for performing processes such as deburring and chamfering while the cutter follows the shape of the workpiece.

### Used by attaching to industrial robot



This holder is necessary for deburring and chamfering with equipment using industrial robots.

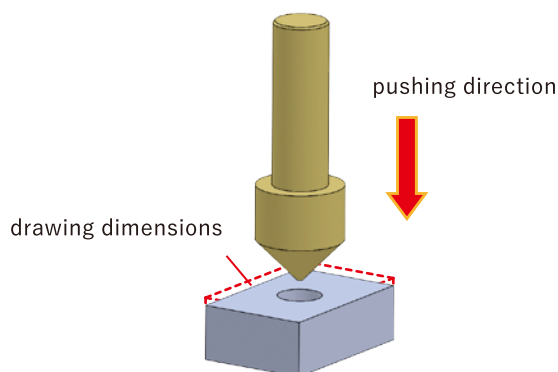
### Deburring by pressing the cutter

Error occurs between actual product and drawing dimension. It is essential to consider this error when processing deburring because the complete product is as a standard.

In order to achieve this, use a special holder with a built-in mechanism that cutter follow freely the any shape of the workpiece.

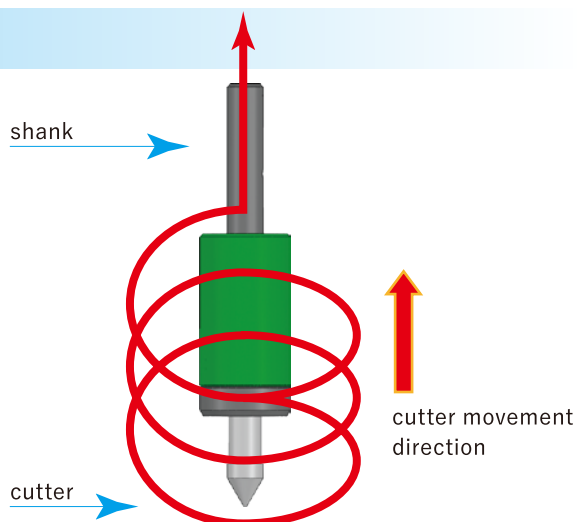
It create program at a pressed position rather than drawing dimension.

KREUZ named this mechanism as "Floating mechanism".



### Product features

By the movement of the cutter floats up and down while twisting to the direction of tool rotation, it possible higher followability. (The followability is possibly higher). Therefore, It is possible to select a tool tip angle of 90° or less, and take a three-dimensional machining posture. It is possible to approach small radius corners and places where machining posture is limited.



## Structure

■ TWIST CUTTER has a structure that is attached directly to the main body.

■ Insert the two pins to fit the cutter's twist groove.

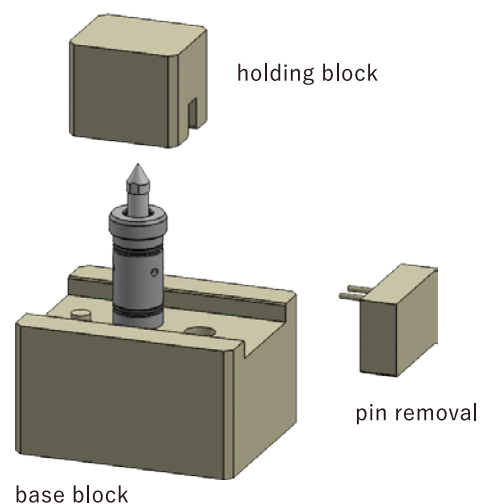
■ Be sure to use the special cutter.

■ To replace the cutter, remove the pin.

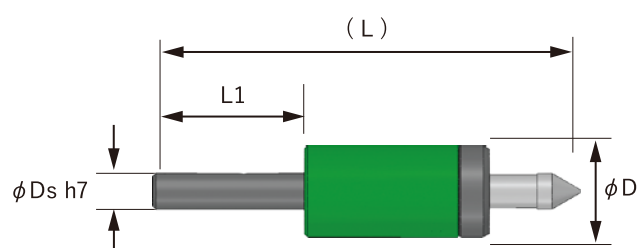
By using the replacement jig (optional), it will be easier and more reliable.



[Cutter replacement jig]









Product name	Twist Floating amount	D (mm)	L (mm)	L1 (mm)	ØDs (mm)	Body weight (g)
TYPE TW	+5mm	15	67.5	25	6	43



When using a general deburring tool, please use the FF holder TW type.

Cutter shape lineup

Tip of the tool diameter $\phi 6$ Tip of the tool angle	Tip of the tool diameter $\phi 10$ Tip of the tool angle
 90	 90
 60	 60
 30	 30

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for technical improvment.