

# Deburring floating unit with spindle motor

スピンドルモータ付きバリ取りフローチングユニット

Small articulated robot

# GR-Nseries

(Over 7kg payload ~) Applicable



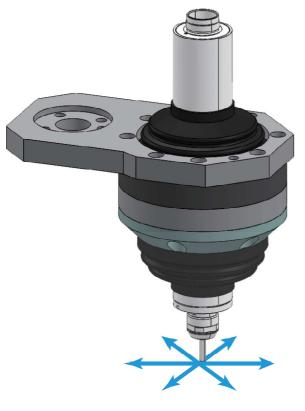
KREUZ Co.,Ltd.

株式会社クロイツ



### Deburring floating unit with spindle motor

**SERIES** 



**⟨Operation image⟩** 

Small and lightweight The GR-N Standard is 64% lighter than our existing product (spindle motor + floating unit).

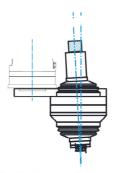
It is now possible to deburring using a small robot with low payload.

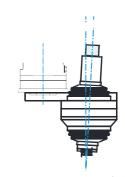
Applicable with 3D curved surfaces

Since the spindle motor tilts in all directions, it is possible to deburr with various uneven burrs in all directions.

**Soft touch** 

It is smaller size and lighter weight, possible to deburr with weaker floating force (pressing force).





(Inclination angle up to 3 degrees in all directions)

#### **Options**

#### Cutter setting gauge

When changing cutters in robot deburring, the cutter tip must be in the same position each time.

To use this setting gauge, it ensures reproducibility. And it allows for easy and reliable cutter replacement in the equipment.

\*Be sure to remove the gauge after using it.

#### Spindle motor setting gauge

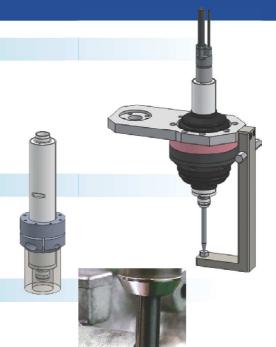
There is a recommended range of spindle clamp positions.

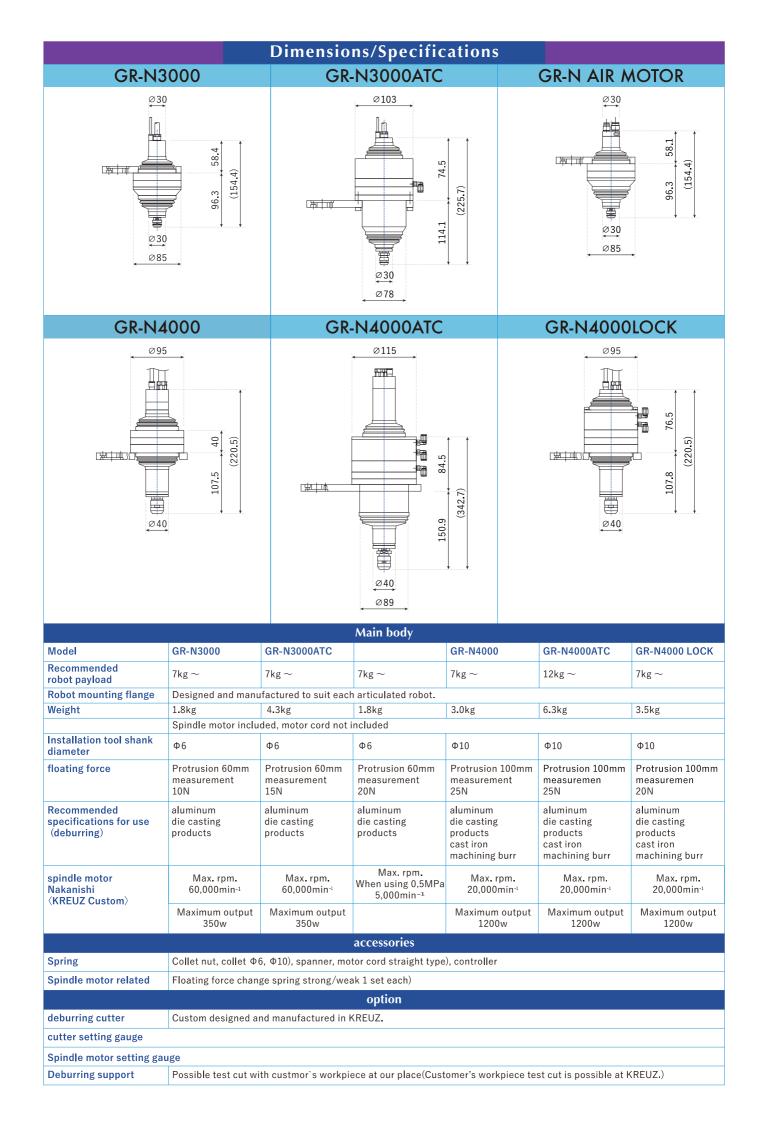
When user replace the spindle, by using a spindle motor setting gauge, it ensure clamping within this range.

#### **Deburring support**

In order to introduce robot deburring equipment with assurance, we conduct in-house deburring processing tests using a small 7kg portable articulated robot equipped with a deburring floating unit GR-N series. Our customer can see the actual deburring process and check the usage conditions in advance.

We provide total support for deburring automation, including changing the floating force and selecting our deburring tools. Please contact our sales representative for details.





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