

## **INDUSTRIE 4.0 Best Partner**

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# HIWIN DATORKER® Strain Wave Gear

HIWIN DATORKER® strain wave gear using the metal elastic deformation phenomenon to eliminate the backlash of gears. It can provide the same weight and volume with different reduction ratio.

### **Product Features**

**Simple structure**: composed of 3 basic components, simple structure and easy installation. **High precision**: The meshing ratio can reach 30% of the total number of teeth. It can provide high angle transmission accuracy.

#### Various reduction ratio

There are different reduction ratios available with same outer diameter. HIWIN DATORKER® strain wave gear developed to take advantage of the elastic dynamics of metal. The advantages are as follows:

- Compact size and lightweight
- High-speed reduction ratio
- Minimum Backlash
- High accuracy
- High torque capacity
- High efficiency



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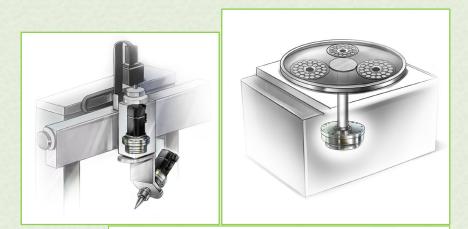


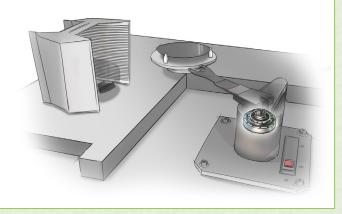
## DATORKER® Strain Wave Gear Application

1. Precision Machine

-Metal Working / Tube Bending / Measurement / Wood Working / AB axis

- 2. Articulated Robot -6-axis / Delta / SCARA
- **3. General Industry** -Printing / Packaging / Textile
- **4. Transportation** -Aviation / Parking / Automotive
- 5. Semiconductor -Packaging Test / Laser Marking
- 6. Biomedical -Medical Equipment / Pharmaceutical Equipment
- 7. Automation
  - -Inspection System / Automated Production Line
- 8. 3C Electronic Peripherals -Smartphone Applications / Inspection / Dispensing







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