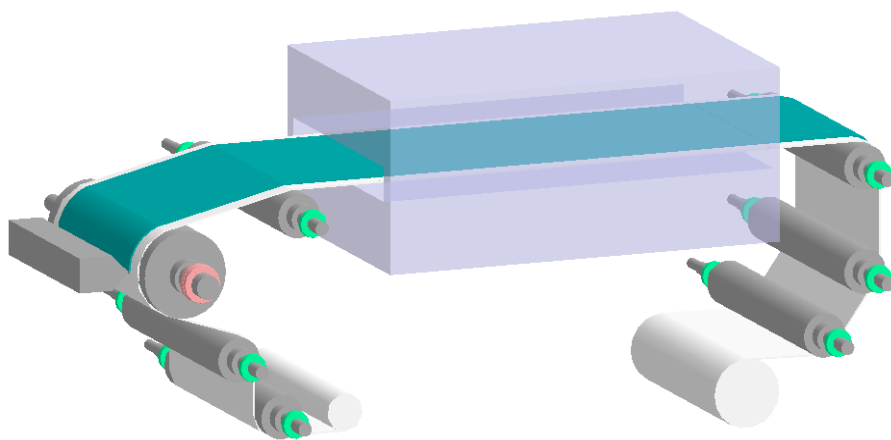


Pursuing Extremely High Precision Contribute to coating equipment



PRECILENCE



Precision & Silence
Made in Japan

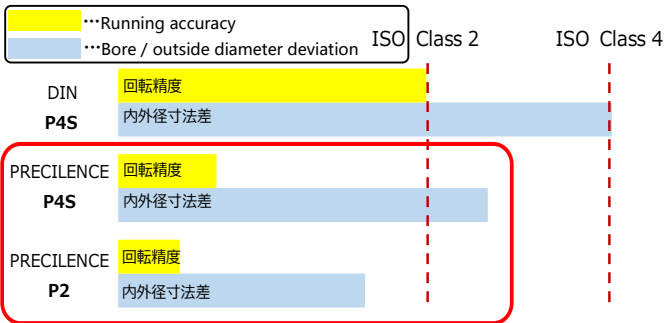
Ultra-precision bearing

Make it possible with PRECILENCE!

- Contribute to improvement of coating surface accuracy
- Improved efficiency of assembly work

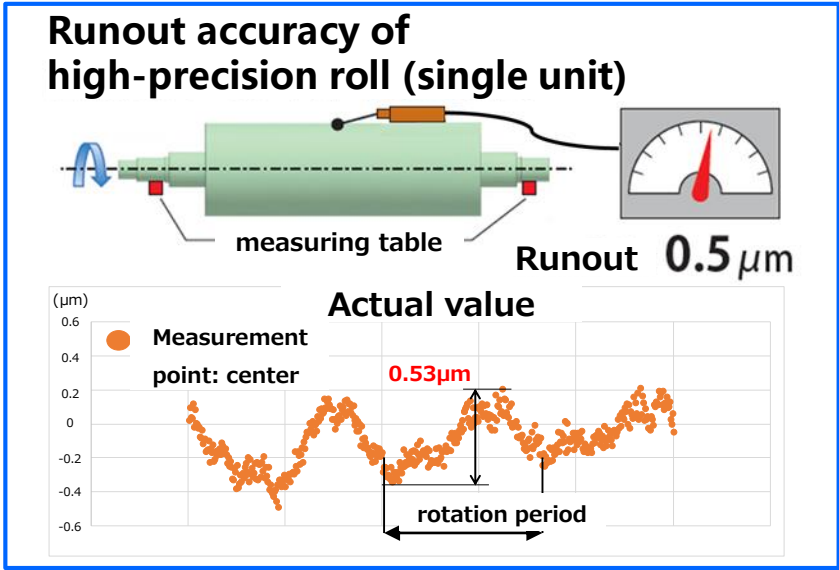
1. Improved accuracy / performance

PRECILENCE Standard

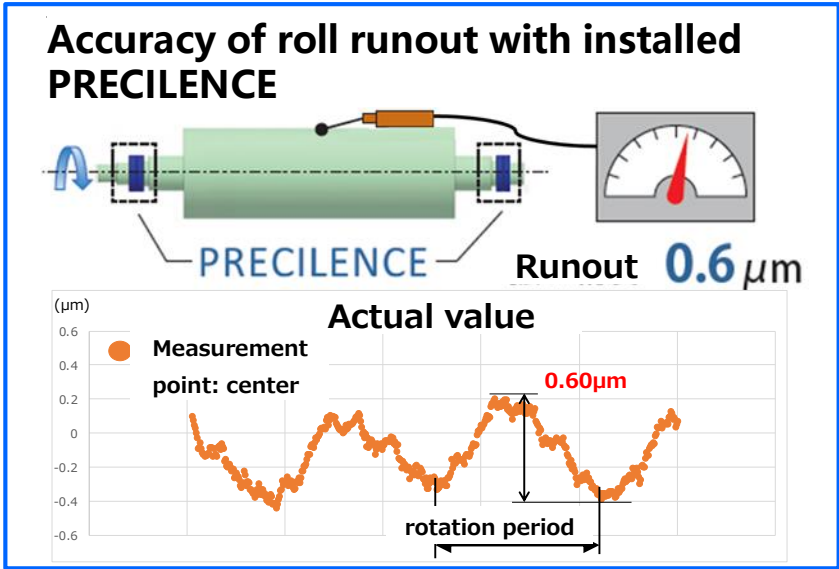


PRECILENCE standard far exceeds DIN P4S standard!

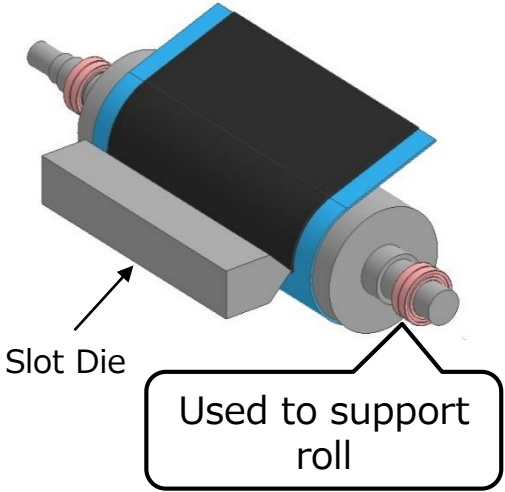
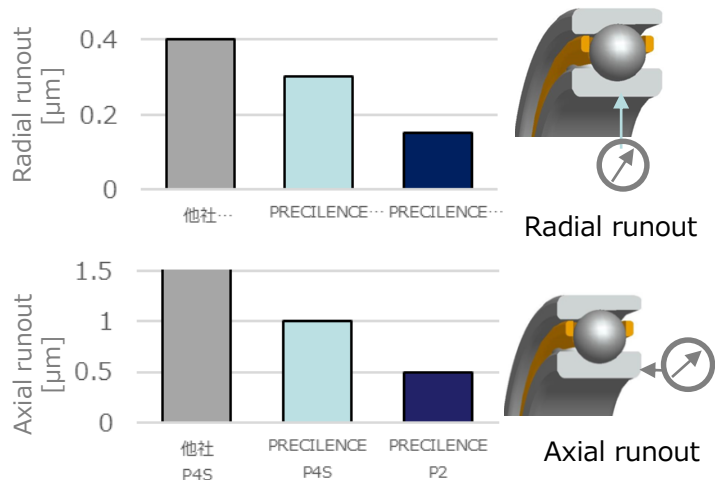
Case example of high-precision coating roll



Keep rolling accuracy



Running accuracy (actual value)



Measurement condition	
Role overview	Roll diameter × length Φ200 × L1200
Bearing size (7010C)	Φ50×Φ80×16 (DB)
lubrication	Grease
Rotation speed	4min-1
drive mode	Belt drive

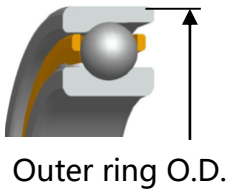
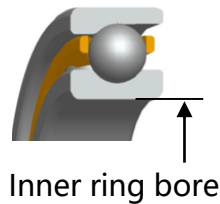
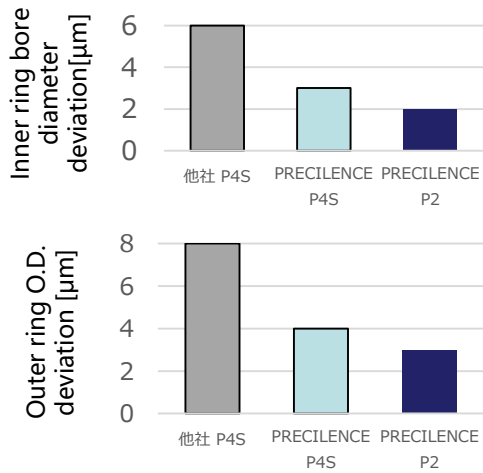
Contribute to improvement of coating surface accuracy

Reduced vibration during rotation
↓
Improved coating accuracy

2. Improved efficiency of assembly work

(1) Reduction of preload adjustment and assembly time

Dimensional tolerance



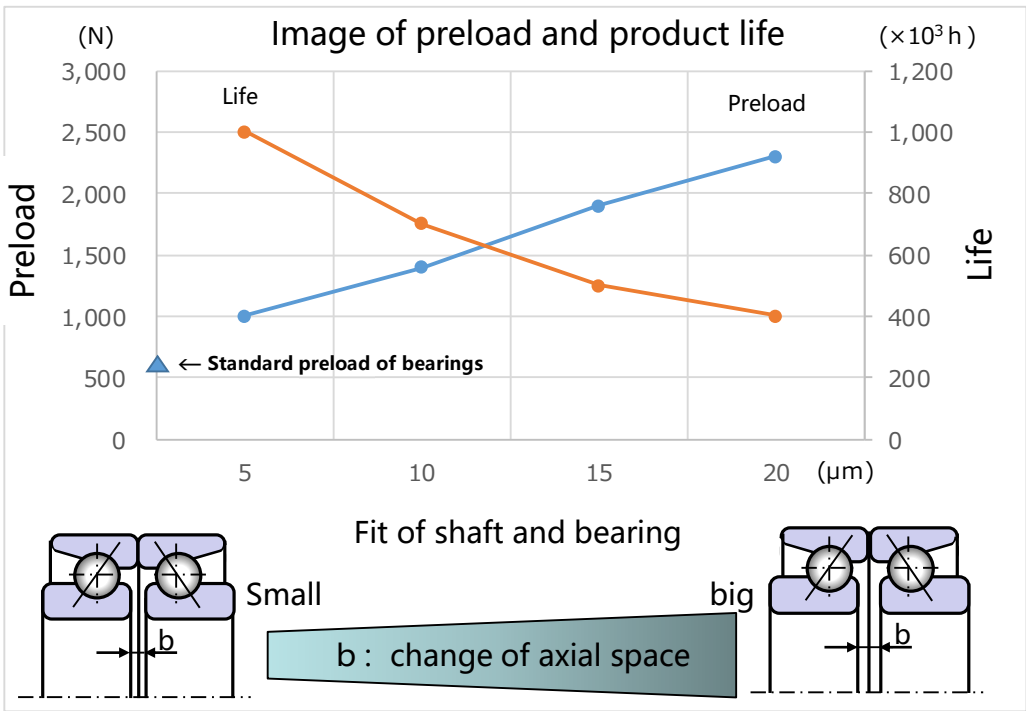
Less deviation



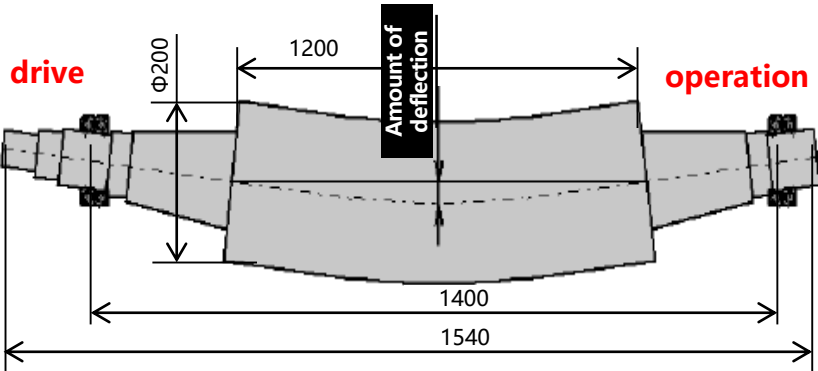
No preload adjustment

Contributes to efficiency of assembly work

Example of preload with fitting



Case study of technology



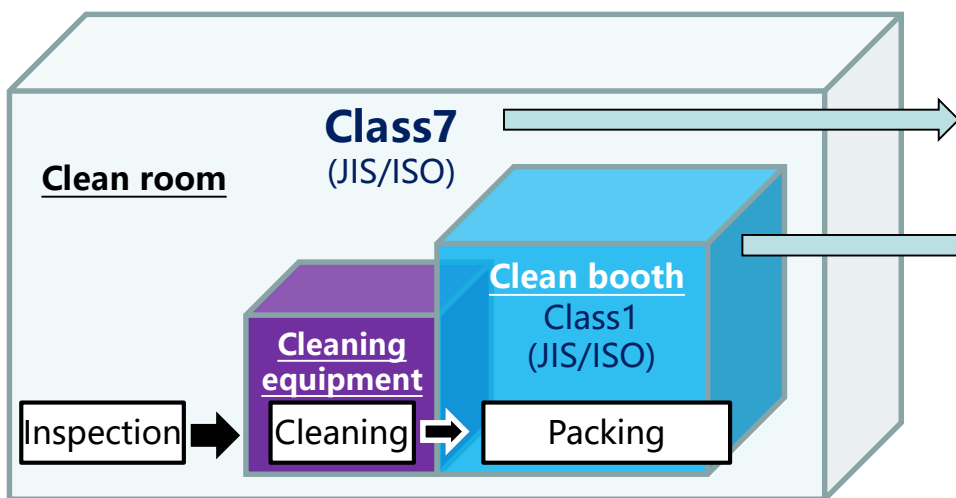
Study case	result
Recommended fit	5 ~ 10μm
Bearing life	about 500 × 10 ³ h
Deflection amount of roll	About 1.5μm

We will study according to customer's specifications and requirements.

(2)) No cleaning required before assembly

Thorough cleanliness management . . . Achieved under 1/10 of remaining rubbish against other competitive products.

No cleaning required before assembly

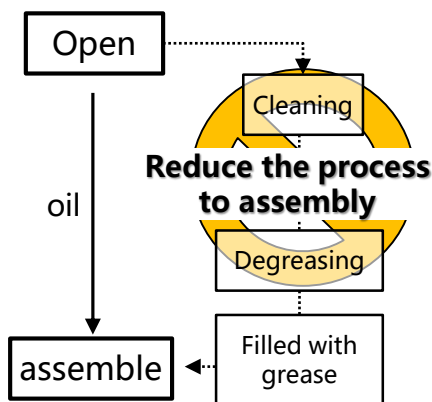


Reference: Cleanliness class

Industry	Required degree of cleaning	
	JIS/ISO	FED(209D)
Medical/Research/Film	Class 1~2	---
Semiconductor factory	Class 3~5	Class 1~100
Electronic/Precision factory	Class 5~7	Class 100~10,000
Medicine/Food factory	Class 7~8	Class 100~100,000

Use a package of dust-free when opened (incl. outer box)

Contribute to maintain cleanliness in environment of assembly work



3. Nominal number structure

Nominal number structure

(Example)

P D 70 20 C G S PG P2

Bearing type symbols

Ball type symbols

Dimension series symbols

Bore diameter number

Tolerance class symbols

Cage symbols

Preload symbol

Matched pair or stack symbols

Contact angle symbols

Contact Us

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