

Rotary Scale

MPZA series MPRZ series

Absolute open type Rotary scale



MPRZ rotor



MPRZ stator

Features

1 Can be used without worrying about the usage environment

Since it is an electromagnetically coupled scale, even if dust, oil, condensation, etc. adhere to the scale, it will not interfere with position detection. No dust cover is required. Also, there is no need to worry about deterioration over time.

2 High resolution and accuracy

Both the MPZA series and MPRZ series have a resolution of 0.043×10^{-3} degrees and an accuracy of 2 seconds (MPRZ-18072A).

3 Excellent responsiveness

It can respond even at high speed rotation of 10000 rpm. (MPRZ-18072A only, 5000 rpm)

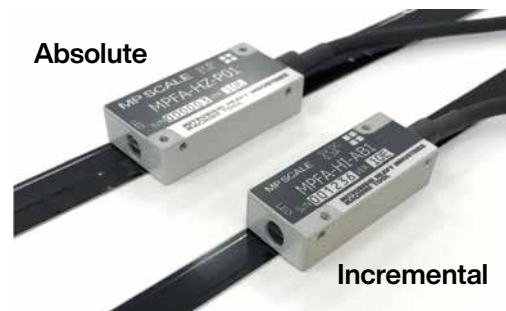
4 High repeatability

Since it is read by the detection pattern on the entire circumference instead of reading by the detection head, the error due to misalignment can be canceled and high repeatability can be obtained.

Linear scale

MPFA series

Open tape type low price scale



Absolute

Incremental



The scale is 0.4 mm thick (Including double-sided tape)

The scale can be cut to any length and used

Features

1 Can be used without worrying about the usage environment

Since it is an electromagnetically coupled scale, even if dust, oil, condensation, etc. adhere to the scale, it will not interfere with position detection. No dust cover is required. Also, there is no need to worry about deterioration over time.

2 Scale can be cut to any length

Both absolute and incremental scales are tape type with a thickness of 0.4 mm. The scale can be cut and used at any position.

3 The scale is easy to install with double-sided tape

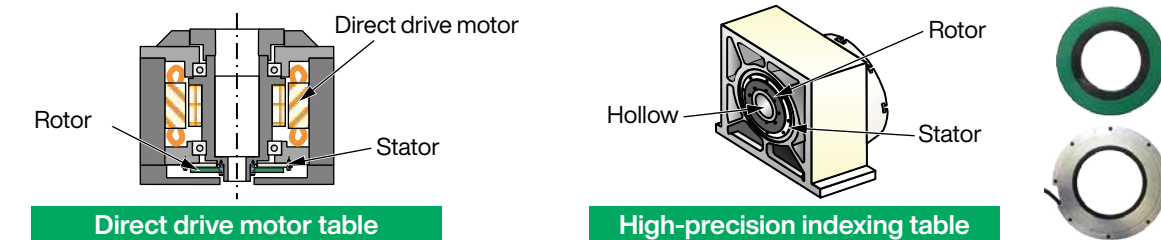
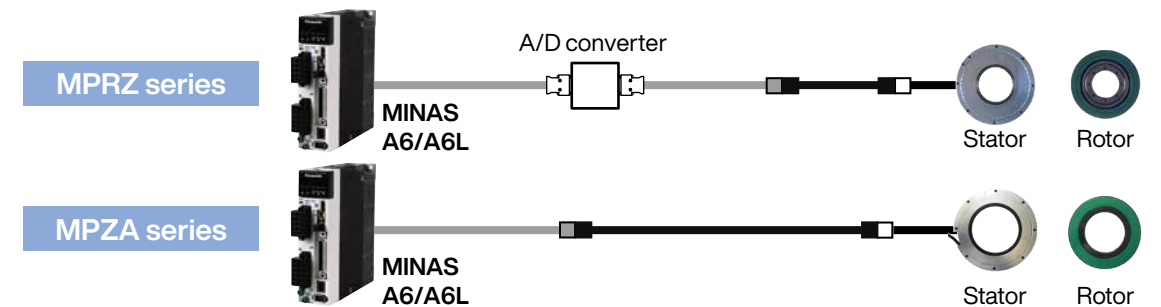
The scale can be easily attached with the included double-sided tape. If you attach the scale to an iron plate etc., it can be attached and detached with bolts.

4 Supports adjustment and operation check when mounting the head

Software: MP-View can be used to easily adjust the head mount and check the operation.

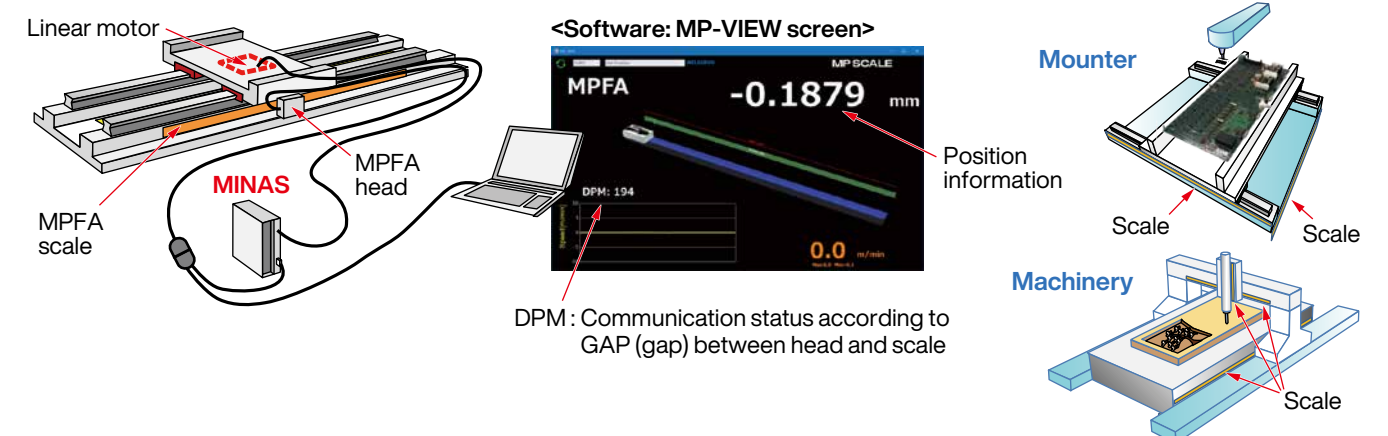
System Configuration

Rotary Scale



Attach the stator to the fixed part and the rotor to the rotating part.

Linear scale



Sales area

● Japan ● Korea ● Taiwan ● China

Language

● Japanese ● Korean ● Chinese ● English

For more information

MPZA series URL : https://www.nidec.com/en/machine-tool/products/B703/M103/S101/NMTJ-mpza_series/

MPRZ series URL : https://www.nidec.com/en/machine-tool/products/B703/M103/S102/NMTJ-mprz_series/

MPFA series URL : https://www.nidec.com/en/machine-tool/products/B703/M102/S100/NMTJ-mpfa_series/



● Contact: NIDEC MACHINE TOOL CORPORATION

1, Kotari-terada, Nagaokakyo-shi, Kyoto 617-0833

TEL: +81-75-954-1830 FAX: +81-75-954-1831