

# SLIT PLATES for Optical Encoders

Slit disk is a core part of the optical encoders.  
The high level of technology can realize the production of high quality products.

## Nickel Slit Plates

Slit plates are produced from nickel streets with a special structure through one continuous operation.

The accuracy is as high as  $\pm 5 \mu$ . It is possible to proceed with the line etching at 0.75 times as thick as the plate. (Approx. 1,000 P/R can be realized when the outside diameter is 50mm and the plate thickness is 0.1mm, for instance. The accuracy of the slit plate would maintain with " $\pm 5 \mu$ ".

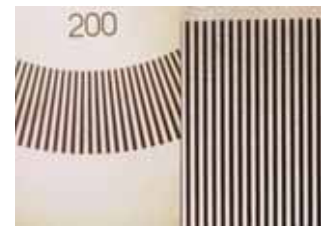


## Reflective-type Nickel Slit Plates



For the temperature/humidity-proof type, our reflective-type slit plates has the following features:

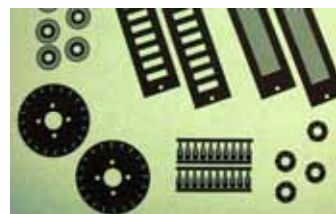
- High reflective vs anti-reflective contrast
- Hard to be effected by the humidity (compared with the film products)
- Cope with all wavelength  
from 800 to 1000nm
- Reflective portion: min.65%  
non-reflective portion: max. 10%
- 40  $\mu$  pitch is available.



Enlargement

## Glass Slit Plates

We offer variety of high precision plate glass products by using the chrome plated glass substrates (tempered glass and blue plate glass), such as slit plates, calibration plates and mirror plates plated with aluminum by vacuum evaporation.



Chrome plating



LED which is suitable for optical encoders

Metal-Glass can type with lens	Point source type for high resolution	Reflective Mirror type with excellent distribution
AL872MM    AL880MM	AL879A    AL884A	AOP1-8805    AOP5-8810