



# ENCODER DISC

High Temperature, High Resolution, Transmissive and Reflective



## Applications

- Encoders
- Optical Linear Scales
- Electric Motors
- Robots
- Printers & Scanners
- Plotters
- Computer sewing machines
- Computer embroidery machines

## Description

The high-precision of encoder disk we offered according to HONEST SENSOR sophisticated manufacturing operation productivity lines. Thanks to great endeavor of HONEST SENSOR to contribute on the new technology invention

Origins in the production process adapted with the standard of semi-conductive proceeding. It is available for both transmissive and reflective function. Moreover, it obtained the high resolution and possessed the substantial surface against the high temperature from -40°C to +100°C.

The high standard of semi-conductive proceeding featuring the obvious characteristics not only to reach the most efficiently production but also the high precision process.

The autonomously device ensures HONEST SENSOR retains the most less tolerance under the competent design management complying with the diversity and specific encoder disk containing of the resolution up to 1000LPI (lines per inch). It's convinced that HONEST SENSOR are capable to attentive to meet any requirement from the customized expectation demandable options.

## Features

- Functions
  - Transmissive and Reflective
  - Increment and Absolute Available
- Resolution
  - Up to 1000 LPI (Lines Per Inch)
  - High reliability
- Material
  - Standard MYLAR
  - Thickness 0.13 / 0.18 / 0.25 mm
  - Flexible without Crack
- Temperature
  - -40°C to +100°C
- Tolerances
  - Excentricity : 20µm (0.02mm)
  - Pata Track Slot width (at Optical Radius) : ±0.005mm
  - Window and Bar : ±0.02°
  - Pitch : ±0.014°
- Others
  - Customer Design Available
  - Low Cost
  - RoHS Compliant