

NSD Corporation

Slip-ring, Rotary Encoder

Slip-ring For CC-Link IE TSN “BAUMCOUPLER®”

The compact size (Φ43mm) and lightweight slip-ring is compatible with the CC-Link IE TSN communication, and the power and data can be transmitted simultaneously.

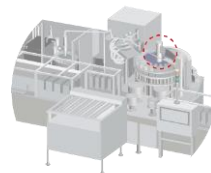
Feature

- Compact size (Φ43 × 112mm)
- Transmits the data via the CC-Link IE TSN communication!
- Supplies the power to the servo amplifier when BAUMCOUPLER® is combined with NSD slip-ring for the large current
- Permissible rotation speed: Max. 100r/min
*Please contact your NSD representative if the permissible rotation speed is needed 100r/min or more.

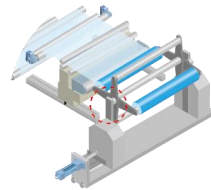


Application

- Monocrystalline pulling process (signal transmission of the Czochralski furnace)
- Electric power and signal transmission of the turret
- Electric power and signal transmission of the filling machine



Electric power and signal transmission of the filling machine



Electric power and signal transmission of the turret



Monocrystalline pulling process

Electro-Magnetic Rotary Encoder “ezABS0®”

Under development

ezABS0® is a brand new Rotary Encoder which adapts the electromagnetic induction theory. "Position detection" is available ezABS0® singly due to incorporating the converter system in the sensor.

Feature

1. Electromagnetic induction theory
The detection part of the sensor has a long lifespan due to the non-contact structure.
2. No consumable parts
No LED (light source), glass, capacitor, battery, and variable resistor inside the sensor
3. High resolution
Binary code, multi-turn type sensor
Max. 2,301,100,032 divisions (8,778-turn x 262,144)
4. High reliability
Absolute position measurement with electromagnetic induction theory without using batteries



CC-Link **IE TSN**