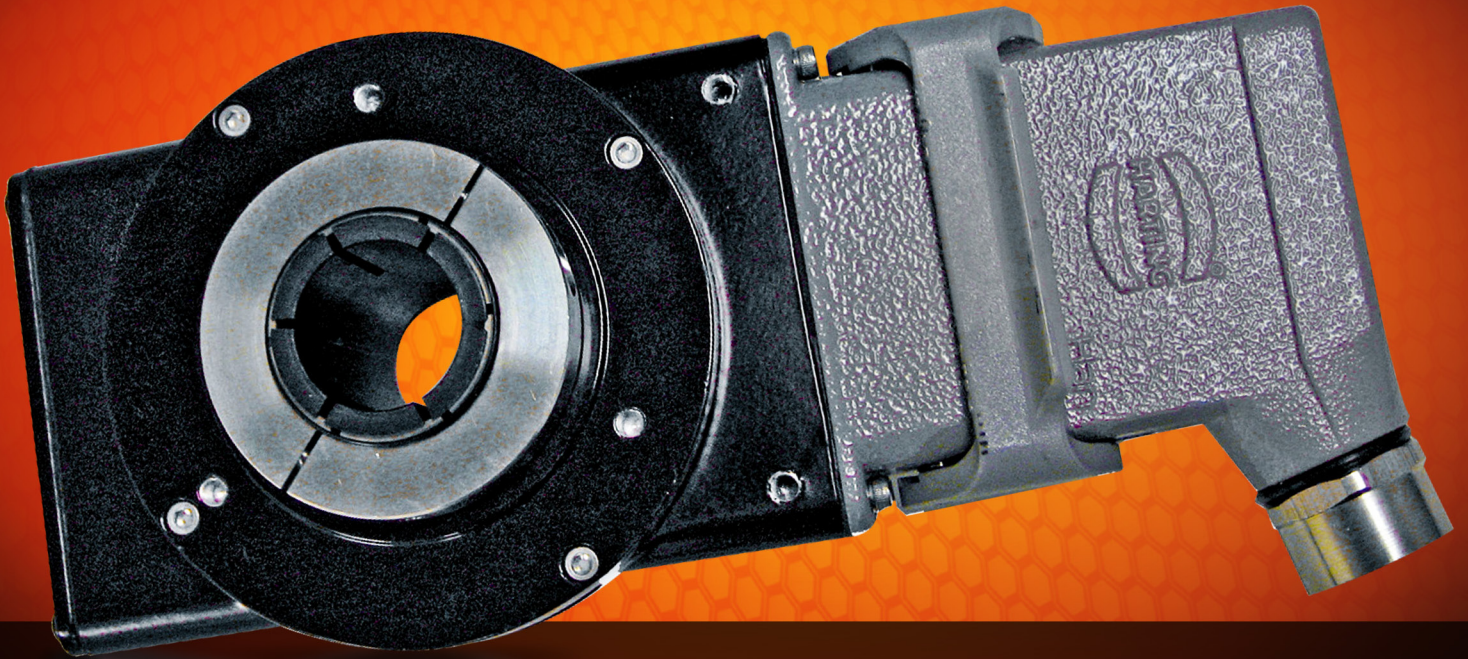




**DYNAPAR**

INNOVATION - CUSTOMIZATION - DELIVERY



A N N O U N C I N G   T H E   N E W

# HSD35

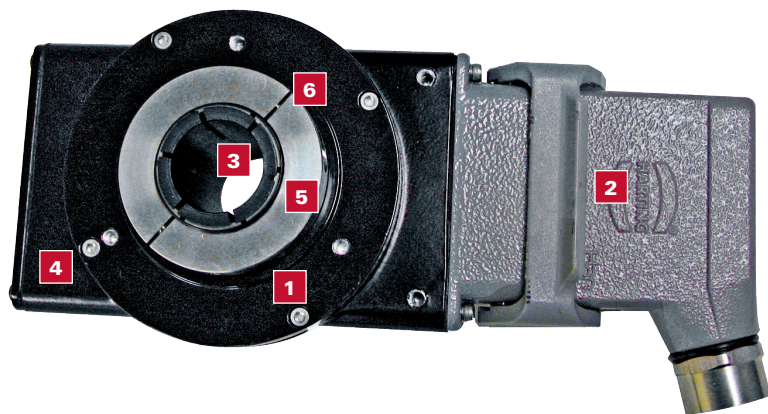
**THE MOST RUGGED MILL DUTY OPTICAL ENCODER**

The HSD35 incorporates the same design upgrades as the HS35R.

So what makes it different?

The HSD35 design includes a latching field-serviceable style connector, stainless steel shaft hub and dual split shaft clamp meeting the demands of rugged industries.

# APPLICATIONS: Paper and Steel, Tire and Rubber, Crane/Hoist, Mining, Navy and Marine, Textiles



## HSD35 NEW FEATURES

- 1** Improved Seals and Shielding
- 2** Latching Field Serviceable Connector
- 3** Electrically and Thermally Isolated Bushing
- 4** Powder Coat Over Hard Anodizing
- 5** Stainless Steel Shaft Hub & Dual Split Shaft Clamp
- 6** Dual V-Ring Seals on Shaft

## HSD35 FEATURE-BENEFIT COMPARISON

| FEATURE                                                                                               | BENEFIT                                                                    |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Wide Gap Phased Array sensor increases air gap over 10x compared to traditional mask-on sensor design | More resistant to shock up to 400g                                         |
| Wide Gap Phased Array sensor eliminates many PCB components including trimpots                        | Increases lifetime and eliminates signal drift due to time and temperature |
| Elimination of glass discs in favor of unbreakable disc                                               | Higher reliability in high shock and vibration applications                |
| Larger, mechanically captured bearings instead of adhesive-applied                                    | Increased lifetime and resistance to run-out and wobble                    |
| Stainless steel dual-split shaft clamp                                                                | Resists corrosion, stripped threads and provides positive shaft engagement |
| Wide -40° to 100°C optional temperature range                                                         | Reliable in extreme temperature applications                               |
| Latching Field Serviceable Connectors                                                                 | Solder-less electrical connections for easy field installation             |

## TARGET APPLICATION – PAPER AND STEEL MILLS



### COMMON MOTOR CUSTOMER CHALLENGES:

**ISSUE:** In mill environments, solder connections can be unreliable and lead to wiring issues

**OUR SOLUTION:** Solder-less latching field serviceable connectors

**ISSUE:** Rugged feedback is required in tough and demanding applications

**OUR SOLUTION:** Robust, wide-gap opto-ASIC and simplified PCB improve durability

**ISSUE:** Customers demand fast delivery and expert technical support

**OUR SOLUTION:** Call 1-800-873-8731 for 3-Day lead-times and encoder expertise