

Frontline Products for
Automation, Control & Safety
of Industrial Machines



जयश्री



JAYASHREE

JENCODER



in the field of
industrial control
since 1973

An ISO 9001-2000 Company

PROXIMITY SWITCHES

**INDUCTIVE / CAPACITIVE / OPTICAL /
MAGNETIC / ULTRASONIC**

- ❖ For Position Control / Speed Control / Automation Widest Range more than 500 models.



ELECTRONIC SPEED SWITCHES/TACHOMETERS

- ❖ For monitoring over-speed/under-speed of any rotary or linear motion
- ❖ Digital indication with 4-20 mA output/RS-485 port /Relay output.
- ❖ Wide range of speed sensors - (Inductive/Magnetic/Optical)
- ❖ Speed sensing range from 0.1 to 10,000 RPM.
- ❖ More than 40 models.
- ❖ Major types - RM 221, RM E21, RM P26



OPTICAL SAFETY BARRIER SYSTEM

- ❖ For safety in Machines, hydraulic presses, cutters etc.
- ❖ Available from 4 beams to 12 beams
- ❖ Sensing gap up to 3 metres



ELECTRONIC LOAD MONITORS (Shear pin) CURRENT MONITORS

- ❖ Precision kW/current monitors for true power measurement and control
- ❖ Highly reliable for protection of machines against overload / jamming.
- ❖ Fast & reliable response compared to thermal overload relay.
- ❖ Digital display with key pad setting



SOFT STARTER / ENERGY SAVER

- ❖ For smooth, jerkless starting of every machine
- ❖ Saves energy / controls max. demand
- ❖ Manufactured with Tech support from **M/S. Fairford Electronics Ltd. U. K.**



ELECTRONIC BRAKE

- ❖ For Controlled Braking action of Induction Motor by injecting DC into stator winding.
- ❖ Available up to 110 KW rating (300A).
- ❖ Ideal for Machine Tools, Grinders, Centrifuge Machines and similar machines having longer stopping time due to heavy inertia.



TRANSDUCERS

- ❖ Isolated output of 4-20 mA / 0-10 V
- ❖ 2 wire / 4 wire versions
- ❖ Input signal as Current /Voltage /Frequency/ Speed /Temperature/Resistance.
- ❖ DIN Rail mounting.



DIGITAL SEQUENCE TIMERS

- ❖ For bag filter cleaning / Process control.
- ❖ Output channels 6/8/12/20/30.
- ❖ Duration / Interval setting by key pad.
- ❖ Custom built as per requirement.



BRUSHLESS SERVOMOTORS & WORLD CLASS SUPER PRECISION SERVO DRIVE

- ❖ Stall torque 0.2 to 20 Nm cont. - 4000 RPM
- ❖ High ratio of peak to stall torque.
- ❖ No brushes - No commutator - No maintenance
- ❖ Rapid response

Servo drive

- ❖ Proprietary 32 bit processor ASIC programmed with advanced torque control algorithm resulting in drastically reduced servo phase delay and torque response time.
- ❖ Vector torque controller providing flat 'torque X speed' curve and more efficient operation especially at higher speed.



HIGH PRECISION TACHO GENERATORS

- ❖ Voltage constants from 5 to 500 volts / KRPM outputs from 1 watt to 100 watts
- ❖ With ALNICO magnet system
- ❖ Silver Graphite brushes
- ❖ High linearity-low ripple - negligible temp. drift
- ❖ Special commutator for long life
- ❖ Perfectly balanced rotor
- ❖ Solid / hollow shaft models
- ❖ International frame sizes
- ❖ Optional combinations with built on Encoders / Speed switch
- ❖ Customized designs for individual applications



BRUSH TYPE DC SERVOMOTORS

- ❖ Stall torque 0.2 to 7.5 Nm cont. - 4000 RPM
- ❖ High ratio of peak to stall torque
- ❖ Low rotor inertia
- ❖ With built on Tacho / Encoder as optional accessory
- ❖ International frame sizes
- ❖ Customized designs for individual applications



BELT WATCH - SOPHISTICATED 2-WIRE SYSTEM TO MONITOR CONVEYOR SAFETIES

- ❖ In addition to pin pointing the actuated safety switch the Display also indicates cable short/open condition.
- ❖ The system accommodates upto 100 numbers Sensor Modules on a single pair of wires.
- ❖ Common/Individual display option for multiple master units.
- ❖ No restriction on length of cable.
- ❖ Serial RS 485 connectivity for PC/PLC.



SELSYN

- ❖ Rugged electro mechanical devices for Remote Position Monitoring of field mounted equipment such as Water Gates, Water Valves & Furnaces.
- ❖ Length counting for Plate/Rod/Sheet mills




ELECTRODYNAMIC SPEED SWITCH

- ❖ Direction sensing for Machine Tools, Rubber mixing plants, Variable speed drives.
- ❖ Plugging
- ❖ Antiplugging



With technical support from

 **ENCODERS PRODUCTS COMPANY (USA).**

SPECIAL FEATURES

- ❖ Advanced sensor technology allowing extra clearance to enhance durability & longevity of disc & sensor.
- ❖ New sensor technology is self-aligning and does not require calibrating presets commonly found in other encoders.
- ❖ Single-chip design eliminates many board level components enhancing encoder performance & reliability.



JENCODER 260-9D

- ❖ Extremely robust construction having heavy-duty bearing on opposite faces of Housing, allowing use of rigid coupling.
- ❖ Built-in Terminal box for ease of wiring.
- ❖ Built-in Driver Circuit for long-distance cable (100 mtr.).
- ❖ Unbreakable disc available as option to withstand heavy shocks.



JENCODER 260-CUBE.

- ❖ Robust construction taking 20 kg radial & axial load.
- ❖ Double-ended shaft to mount measuring wheel for cut-to-length application.
- ❖ Unbreakable disc.
- ❖ Face or Base mounting.



JENCODER 260-58 A/B

- ❖ Industry standard 58 mm dia enclosure.
- ❖ Oversized bearings capable of taking 10 kg. radial & axial load ensuring long operational life.
- ❖ Constructed to withstand the demands of rough industrial environments.
- ❖ Exact retrofit for commonly-used machine tool encoders.
- ❖ Flange / Servo Mounting.



JENCODER 260

- ❖ Hollow shaft encoder up to 14 mm bore.
- ❖ Directly mounted on Drive shaft.
- ❖ Integral bearings provide stable and consistent operation without concern of radial & axial play.
- ❖ Low profile having 30 mm width thus reducing overall length.
- ❖ Saves cost of flexible coupling.



PPRs Available for above models.

200 / 250 / 300 / 360 / 500 / 512 / 600 / 1000 /
1024 / 1200 / 1250 / 2000 / 2048 / 2500 / 2540