

INTELLIDRIVE™ DRUM MOTOR



The **VDG IntelliDrive™** is an internally powered conveyor belt drive with new **permanent magnet (PM) drum motor technology**. All components including the motor, gear reducer, and gears are enclosed inside the drum, delivers 40% increased electrical efficiency, wider belt speed selection without loss of torque or belt-pull, and significant increase in electric motor lifespan compared to a traditional induction motor.

The rotor is magnetically self-induced by the permanent magnets on the rotor body resulting to 70% higher electric motor torque. The IntelliDrive™ Drum Motor requires a variable frequency device (VFD) to operate and can be connected to an externally mounted VFD or used with the VDG i-Controller that integrates the VFD inside the drum motor junction box for quick and easy setup. The IntelliDrive™ enables onsite diagnostics, full motor indexing speed control and communications with other plant equipment, with considerable savings from reduced energy and maintenance costs.



IntelliDrive™ Drum Motor with VDG i-Controller

- Permanent magnet drum motor technology
- No external moving drive components
- 40% increased electrical efficiency
- Increased electric motor lifespan
- IP69K rated enclosure
- EtherNet and MODBUS ready
- PLC capability for programming
- Onboard diagnostics
- Conveyor drive data feedback
- Output frequency: 0 - 599Hz