



## Media Release

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### Invertek Drives comes to the rescue of Indonesian food producer

When an Indonesian food producer's industrial flour mixer failed due to a faulty variable frequency drive (VFD), they turned to Invertek Drives Ltd's Optidrive™ E3 VFD for a solution.

The food producer's Sinmag mixer had been using a Chinese design and manufactured 5HP, 3.7kW drive installed as a single bundle with the mixer's main control panel. It was controlling a 3kW motor requiring a high torque at start-up.

Having only been used for a short time before the drive failed the company wanted to change it to an alternative and more reliable VFD to prevent future costly downtime.

The company needed to have the mixer operational in order to mix dough for a range of food products.

"The company was losing valuable time and money without having the mixer operational. A local motor and drives engineer suggested using an Invertek Optidrive™ E3 knowing how reliable they are in such intense industrial applications," said Kes Beech, Technical Manager at Invertek Drives Ltd, one of the world's leading designers and manufacturers of VFD technology.

"With the mixer having a high torque at start-up and the need for a constant and reliable low-speed control, the Optidrive™ E3 IP20 4kW drive was an ideal solution, as well as providing energy saving opportunities as a result."

The Optidrive™ E3 was easily installed into the existing mixer panel housing. With parameters for industrial, pump and fan modes installed on the VFD as standard, it meant commissioning was also straightforward.

The internal Category C1 EMC filter fitted in every Optidrive™ E3 as standard also saves cost and time for installation.

The built-in keypad ensures quick and easy input of modes and parameters, and with the option of the Optistick™ Smart, future duplication of specific or bespoke parameters can be used on other mixers if required.

"The Optidrive's industrial mode optimises the drive for bad characteristics often found in mixers, as well as conveyers and treadmills. This ensures the drive is capable of being commissioned in a very short time, allowing production to re-start quickly," added Kes.

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Key features and benefits of the Optidrive™ E3 are:

- Compact and robust
- Simple commissioning
- Panel mounting
- Intuitive keypad control
- Application macros
  - Industrial
  - Pump
  - Fan
- Internal Category C1 EMC filter
- Operates up to 50°C

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### **Notes to the Editor**

#### **Inverter Drives**

Inverter Drives Ltd is dedicated to the design, manufacture and marketing of electronic variable frequency drives for controlling electric motors.

The state-of-the-art UK headquarters houses specialist facilities for research & development, manufacturing and global marketing. All operations, including research and development, are accredited to the exacting customer focused ISO 9001:2008 quality standard whilst its Environmental Management System is accredited to the ISO 14001:2004 quality standard.

Inverter's products are sold globally by a network of specialist distributors in over 80 different countries. Inverter Drives unique and innovative Optidrive range is designed for ease of use and meets with recognized international design standards for CE (Europe), UL (USA) and CTick (Australia). More details can be found by visiting [www.invertekdrives.com](http://www.invertekdrives.com).