Woodworking

INVERTEK DRIVES CASE STUDY

INVERTEK DRIVES
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OVERVIEW

Taking control
in woodworking.

Global
Solutions…

wireless control for
hundreds of applications

**with Invertek Drives
the solutions start here!**

- easy to use and incredible performance
- leading edge design and technology
- highly committed to innovation
- products you can rely on
- global support and suppliers

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COMPANY

WELSH SAWMILL

Soft start and dynamic braking for wood saw application

Mid Wales, UK

Already in use on equipment ranging from saws and planers to routers and sanders, the Optidrive is extremely simple and quick to install and with built in electronic soft start ensures extremely low starting current.

Fitted with Optibrake braking resistors, the Optidrive uses dynamic braking to enable slowing of a machine to standstill within 10 seconds, complying with recent UK legislation. Unlike most systems currently on offer, Optidrive also provides automatic braking to zero if the mains supply is interrupted, using e-stop for instance.

A maintenance free solution, the Optidrive range also provides the option to convert any single phase, 230V input to a three phase output for motors up to 3hp.

A recent woodworking application in Mid Wales, see picture, takes a load signal from the analogue output of the main drive controlling the saw. This is fed back, via a PI control card, to the drive controlling the conveyor feeding the wood into the saw. This facilitates an intelligent variable feed rate to provide constant load on the saw and hence optimise performance.

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