



OVERVIEW

Putting 'rated torque at zero speed' to work in Spain.

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COMPANY

INGENIERIA GALVANICA S.L.

Matching drive parameters to motor characteristics delivers optimum torque

Granollers, Spain

Focussed on the manufacturer of surface treatment machinery, waste water treatment plants for galvanic lines and equipment for galvano lines, Ingenieria Galvanica S.L now specify Optidrive Plus 3^{GV} as standard for their drive applications.

Maintaining rated torque at zero speed is highlighted as a major benefit in an application where hoists need to maintain very accurate control over large loads. The latest application for Optidrive Plus 3^{GV} in this operation is a large and complex process where all the drives are controlled by a PLC integrated in a Profibus-DP network. The main problem Ingenieria Galvanica S.L previously faced was the motors not delivering the optimum torque necessary for the acceleration rate needed in this application. By simply matching the Optidrive Plus 3^{GV} drive parameters to the motor characteristics they were able to achieve the optimum motor torque and thereby gain the acceleration rate required.

"It seemed that we had multiplied the torque x2", commented Carlos Salgado, Principal of Invertek Drives Spain and responsible for the supply of Optidrive Plus 3^{GV} to Ingenieria Galvanica S.L

Similar benefits were then achieved throughout the production process by using Optidrive Plus 3^{GV} on conveyors, centrifuges, load rotation inside of the baths and turnover motors.

Cesar Carvi, Technical manager at Ingenieria Galvanica S.L also highlights the advantages of quick drive commissioning via an infra red link with a Pocket PC, with no inconvenient wires and a process that ensures all required parameters are programmed. This easy upload and download facility also means quick downloading of drive parameters for checking and easy copying of parameters to other drives.



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