

## SyncPos fits like a glove in Colombia

**VLT® drives increased the productivity and increased the speed of a glove molding machine by nearly 15% at the Colombian company Ladecol S.A.**

Ladecol S.A. is a Colombian company dedicated to making rubber gloves for industrial and domestic use. Ladecol's installations include automated machines for producing gloves. Ladecol designed the machines to produce the most gloves possible by increasing the speed of the line of glove molds, known as "forms".

Danfoss recommended a new, more dynamic mechanism in the manufacturer's operations.

The solution includes synchronization of the motors, master and slave, at the start and end of the production line, which involves the journey of the forms to manufacture the gloves. Since the journey along the production line is not uniform, synchronization was achieved through control devices, two encoders, two inductive sensors, and a SyncPos MCO305 option, optional for the VLT® Automation Drive.

### Productivity grew

"The productivity grew because speed of the machine increased nearly 15%. Previously the speed was 650 rpm, and with synchronism now it is 750 rpm. The increase depends on the type of glove in production. The implementation of the SyncPos system also will reduce mechanical wear on the machine and on the devices that sustain the glove forms," explains Jorge Cárdenas, engineer for Covein, an important Danfoss distributor.

The highest capacity is 2,140 forms, and today we are operating with 85% of this capacity in approximately 90 minutes.



### Challenging

"It was a challenging application to develop, because we made corrections in the synchronizing and positioning controls and some mechanical adjustments to the machines" says Cárdenas.

### Confidence in Danfoss

"Our intention is to guarantee the correct functioning of the application, and we made a promise to the client that we would monitor the machine for a period of 6 months." The satisfied client confirms the success: "During the development of the application, we felt confidence in Danfoss all along, it was obvious that they maintained commitment to the client all the time," adds Oscar Ospina, Maintenance Supervisor, Ladecol.

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SyncPos cards installed on VLT® Automation Drive.