



## Applications | Case Studies

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### SPYRAFLO HELPS McDONALD'S ROLL OVER AFTER BREAKFAST

Every morning in thousands of McDonald's restaurants throughout the world the menu changes from an early start breakfast selection to the daytime delicacies. The menu-boards change silently and effortlessly thanks to the design partnership between the Golden Arches Company and Florida Plastics International, Inc.

Florida Plastics International, Inc., a key partner with McDonald's, supplies innovative power driven menu boards and signage for all their fast food outlets. The design criteria for the revolving menu boards are reliability, maintenance free and silence. The challenge faced by the designer was to incorporate display material, lighting and a power transmission system into a large sheet steel frame designed with economy in mind.

The final design required bearings able to accommodate chassis manufacturing tolerances as well as misalignment caused during shipping and installation of the finished assembly. Spyraflo BFM-375-A, Flange-Mount, Self-Aligning, Delrin, 0.375" diameter bearings were selected. The combination of  $\pm 5^\circ$  self-alignment and the zero maintenance Delrin bearing gives smooth rotation with minimum start-up torque.

