

Automated Teller Machine (ATM) Manufacturer Prevents Damage with ITT Enidine Inc. Shock Absorbers

Enidine Energy Absorption Application

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Product Overview

A Japanese Automated Teller Machine (ATM) manufacturer was looking for a solution to dampen the shock transferred to an ATM when the full bill drawers close. The ATM contained several drawers with slide rails which resulted in very low friction between the rollers and the rails. This low friction, allowing smooth movement, offered no damping of the closing rate when the drawers were actuated and filled with bills, causing great shock to the whole machine. The manufacturer wanted to eliminate possible damage to the machine by finding another solution. Hearing of ITT Enidine Inc. through a distributor, they contacted us for a solution.

Product Solution

ITT Enidine Inc. recommended the use of one PM50MC shock absorber per drawer to prevent shock to the machine. The manufacturer conducted comparison tests between the PM50MC and an equivalent product supplied by a competitor on the prototype machine. ITT Enidine Inc.'s product proved to solve the shock problem and was a cheaper solution than the competitors. The manufacturer chose to use the ITT Enidine Inc. shock absorber for its performance and lower cost, which resulted in a savings of \$5,000 USD per year. Originally, the manufacturer planned on using 50 units per month, but quickly increased to 200-300 units per month. The manufacturer now ranks ITT Enidine Inc. highly as a supplier of shock absorbers for the next generation ATM.



Application Opportunity

The application solution illustrates the use of shock absorbers on drawers in which low friction cannot be dampened enough to prevent shock to an ATM. ITT Enidine Inc. shock absorbers should be considered in other industries in which similar application problems occur.