

ZHAOWEI Driveline Enables Automatic Refrigerator Door Opening & Closing



Los Angeles, Oct 11, 2020 ([IssueWire.com](https://www.issuewire.com)) - ZHAOWEI Drive is pleased to expand the product line with a micro [driveline for automatic refrigerator door](#) opening & closing. New driveline with a miniature motor and precision gearbox offers an optimized price-to-performance choice ideal for the smart refrigerator door, which is possible to open and close automatically

In the 21st century, increasing penetration of Internet of Things (IoT) and Artificial Intelligence (AI) enabled devices is leading to a fast-paced growth for smart kitchen appliances. The global smart kitchen appliances market size is expected to reach USD 39.9 billion by 2027, expanding at a CAGR of 19.1% over the forecast period, according to a new report by Grand View Research, Inc. The smart refrigerators segment accounted for the largest share of the market with approx. 34% share in 2019 and is expected to witness significant growth over the forecast period.

With more consumers experimenting in the kitchen as they spend more time at home, more and more manufacturers are exerting the advantage technology to refrigerator models while adding convenient new features like automatic opening & closing designed to inspire consumers to take their everyday kitchens to the next level. [ZHAOWEI Drive](#) opens new avenues for the fridge door by introducing door opening & closing driveline.

Nowadays, most of the existing vertical refrigerators are opened and closed manually with the arbitrary operation. In daily life, the door of the refrigerator may be forgotten to close or fails to be closed in place tightly, resulting in the leakage of cold air. This further causes the increase of power consumption of the refrigerator, the risk of food deterioration and potential safety hazards. Even the refrigerators on the market come with automatic opening and closing functions, some of them are still confronted with problems like complex structure, high cost, large installation size and short service life.

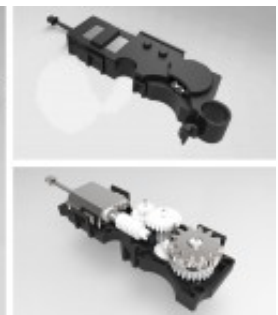
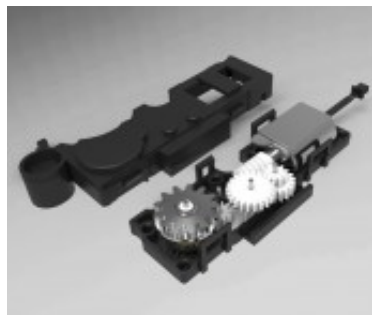
Embracing with the handle-free operation, ZHAOWEI proudly develops an automatic

door [opening/closing driveline](#) for various refrigerators which helps to automatically open and close the door without any manual force. It includes a drive device coupled to the door to automatically open or close the door with respect to the refrigerator body, an input part to receive user input and to operate the drive device based on the user input, a sensing part to sense an open or closed state of the sliding door, and a controller to operate the drive device based on signals from the input part and signals from the sensing part. The refrigerators with automatic opening/closing functions adopt the one-touch power mechanism and link mechanism. In such mechanisms, the motor drives the gears, which further drives the ejector rob to realize easy & smooth operation with high torque even in a cold environment. Therefore, the opening/closing gear motor applied to smart refrigerators drives to intelligently open or close the door. No longer need to worry about forgetting to close the refrigerator door which will affect the fresh food and safety around.

ZHAOWEI is always keeping pace with artificial intelligence (AI) features and this time is no exception. The refrigerator door automatic opening & closing transmission system combined with sensors can solve the shortcomings of inconvenience caused by swing shut or staying open of the existing refrigerator door. The opening, closing and stopping actions of the refrigerator door can be controlled via network control, switch control or voice control. It can responsively realize stable and flexible opening and closing according to the control. All these rely on the drive system innovated by ZHAOWEI which is a motor/[electromagnetic transmission mechanism](#). Besides, ZHAOWEI performs extensive performance validation using the advanced and dedicated testing infrastructure. Different from general motors refrigerator uses, each ZHAOWEI driveline is tried and tested with supporting test data for reliable application. Thus, it features low noise owing to the precision structure, contributing to a quiet handling process.

An outstanding marriage of elegant design, reliable parameters and premium material makes ZHAOWEI deserve a place in the [refrigerator motor](#) market. ZHAOWEI driveline with controller for refrigerator doors will greatly improve opening & closing performance and reliability.

“Today’s consumer is looking for a more reliable refrigerator while also seeking new ways to get creative in their smart kitchens as they stay close to home. While marching forward to smart kitchen, we take another step- introducing a driveline to enable automatic refrigerator door opening & closing- together with refrigerator manufacturers for better user experience. As a trusted partner, we keep delivering both standard and custom solutions for a broad spectrum of applications consistently on-time and to-spec.” said the Product Director of ZHAOWEI.



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Source : ZHAOWEI Machinery & Electronics Co., Ltd

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