

Watchdog of the canning line!



EDM—End Deflection Monitor

The EDM—End Deflection Monitor is an easy to use, reliable tool for measuring can end deflection. The EDM uses modern microcontroller technology for accuracy and flexibility. An EDM is used to detect improperly sealed canned products. A properly formed and processed can has a certain vacuum inside. This vacuum results in a particular deflection on the end of the can. Dud cans, that is, cans that have certain types of processing problems, often have a different amount of vacuum. Measuring the end deflection allows these cans to be identified and ejected.

Benefits

- Improved quality control, HACCP
- Easy to use, accurate and reliable
- Displays in 1/1000 of an inch
- Proven Neptune technology
- No field wiring necessary
- Easily installed

NEPTUNE DYNAMICS LIMITED

ENGINEERING, MACHINERY DEVELOPMENT, SALES & SERVICE SINCE 1975

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EDM—End Deflection Monitor

Features and Specifications

The EDM surpasses other canning line monitors on the market through its ability to display can deflections in 1/1000 of an inch. Easily adaptable to most can conveyors.

The EDM is housed in a small, waterproof NEMA 4X, wall or base-mount enclosure and can be installed at the wet end of a canning line. Set up and calibration is simple and requires very little time. The unit operates on 115VA 50/60 Hz and requires a cfm air supply at 40 psi to actuate the air cylinder. Electric kick-out also available.

Service and Support

Neptune Dynamics provides Technicians to set up the machines, train your personnel and help organize a quality control system for your operation. They are available to travel on 48 hours notice.

Options

Neptune Dynamics Ltd. is able to upgrade the EDM system with “PC” interface capabilities, allowing statistical analysis and integration into a Management Information System. The upgrade consists of a hardware modification and a PC based software package.

Technical Data

Nominal Dimensions

Length: 11”
Width: 9”
Height: 6.5”
Weight: 7 lbs.

Requirements:

Air: 1 CFM at 40 psi
Power: 115 VAC, 5 amp, 60 Hz
Can Diameter Size Range: 211 to 603

Neptune Dynamics Limited was established in 1975, a spin-off company of the University of British Columbia. Started originally to develop and manufacture sorting equipment for the Roe Herring Industry, Neptune Dynamics has spread its base of operations to various sectors.

Neptune Dynamics has maintained its close relationship with the fish processing industry and has found applications for products and skills developed serving this sector in other areas of industry world wide.

Neptune has always maintained a high level of Research and Development and currently has several projects underway which include an AutoFeeder for the HD1SU and RHO Machines, a Brine Recycling System and a specialized form and fill plastic machine.

Neptune has several established products which are manufactured and serviced in our modern, well-equipped Richmond facility. These include:

- **HD1SU**—a sex sorting machine for the roe herring industry, with machines currently operating in British Columbia, Eastern Canada, Alaska, Ireland, Scotland, Japan, Europe and Russia.
- **RHO**—an attachment for the HD1SU; this newly developed machine automatically opens the herring and extracts the roe without damage.
- **CCS**—a quality assurance, can integrity measurement and sorting system developed for the canning industry, with units in operation in British Columbia, United States, Mainland China, Thailand and Philippines.

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We reserve the right to make modifications without notice. All data given refer to fish of average size and normal structure.

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