



**SYSTEM
PLAST®**

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APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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iCOF®

CONDITION MONITORING

REGAL®

REGAL®

iCOF® DEVICE - COMPLETE UNIT

SLIDERS INCLUDED

iCOF® SPARE PARTS - SLIDERS ONLY



Item description: **ICOF-PET**
Item number: AA1313628

Application type: PET



Item description: **ICOF-CAN**
Item number: AA1313629

Application type: CAN



Item description: **ICOF-GLASS**
Item number: AA1313630

Application type: GLASS



Item description: **ICOF-SLIDER-PET**
Item number: AA1313631

Application type: PET



Item description: **ICOF-SLIDER-CAN**
Item number: AA1313632

Application type: CAN



Item description: **ICOF-SLIDER-GLASS**
Item number: AA1313633

Application type: GLASS



WHY COEFFICIENT OF FRICTION?

Variations in the coefficient of friction are a good indicator of changing conditions or pollution of the conveyor. Especially in dry running lines, the friction is a key factor for the proper handling and flow of containers. A permanent control process will help maintaining the optimum conditions and thus guarantee the line efficiency.

HOW DOES IT WORK?

The iCOF® device can be mounted on a conveyor and integrated in the line control system. It measures the friction at regular intervals that can be set by the user. Obtained data is used to calculate the average value as well as the standard deviation and the trend. The values can trigger a signal once a pre-set limit is passed. Based on this signal, the user can check the situation and decide about the required corrective action. Output is done through ethernet or Modbus connections. Obviously for integration in the line control system, a close cooperation with the OEM is required. The iCOF device can also be used as a stand-alone or portable device for spot measurements.

WHERE CAN IT BE USED?

The iCOF® device can be used throughout the line wherever it makes sense to temporarily or continuously monitor the friction to collect performance data, obtain data for trouble shooting or to act as continuous input for the line controls.

FEATURES:

- Real time monitoring of the line condition
- Addressing all container type (PET, glass and cans)
- The iCOF® device continuously measures the coefficient of friction
- The iCOF device calculates average value, standard deviation and a trend
- The iCOF device triggers an alarm if pre-set limits are reached
- The iCOF device can be portable or integrated in line control system

BENEFITS:

- No operator intervention required for measuring
- Easy to define optimum cleaning regime: “Smart Cleaning”
- Corrective action can be scheduled before efficiency is affected
- Long term line condition can be analyzed using data from the iCOF® device

BOX INCLUDES:

- iCOF® device
- Puck
- Slider (PET, CAN or GLASS)
- Set of screws for slider
- Screw driver
- USB drive with GUI



iCOF®

WHAT IS THE iCOF® DEVICE?

The iCOF device helps monitor the condition of a bottling or canning line by continuously measuring the coefficient of friction, independently from operator intervention.

Beverage plants have less resources available to monitor and maintain the conveyors. Continuous and automatic condition monitoring can be a great help to make sure that the line efficiency stays at the desired high level.

