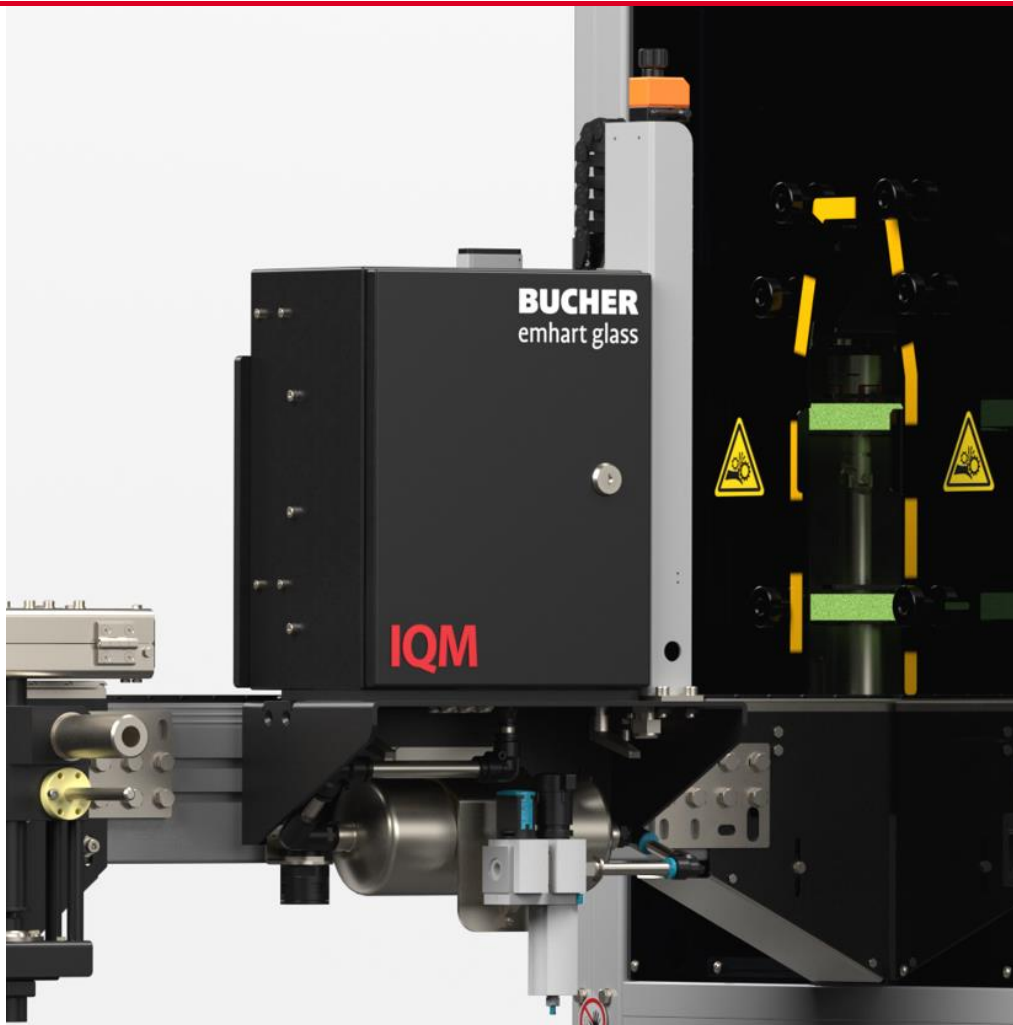


Technical News Bulletin

January, 2022



IQM – Infeed Quality Monitor

- Protects inspection equipment by keeping down ware & broken ware from entering the machine
- Improves line efficiencies by removing the troublesome ware from the line without line stoppages and/or human intervention
- Saves time, saves labor and saves money

Introduction

The Infeed Quality Monitor (IQM) device can be installed in front of any inspection machine. This add-on, or stand-alone system is designed to keep your production lines flowing. In addition to looking for down or broken ware, this device also monitors and reacts if a wrong container comes down an inspection single line (over height & diameter). It is ideal for lines that have frequent job changes, that run with high speed production or simply have the occasional down bottle. This device reduces line stoppages and the need for human intervention by removing down and problematic ware.

System Description

The Infeed Quality Monitor (IQM) device is a small monitoring device that is installed upstream of your inspection machine. By monitoring the ware before entering the machine, this device can identify if there are changes in the container height, diameter and spacing. Based on the abnormalities detected, the system uses pneumatic blowers to remove the problematic ware before it enters or stops the inspection machine.

Infeed control problems

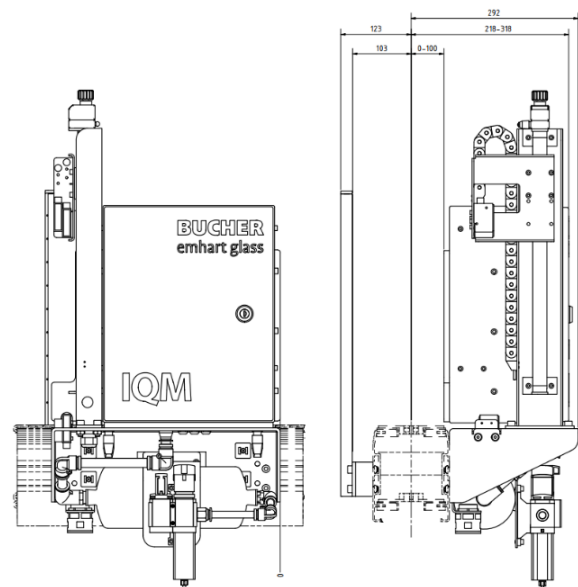
Typical standard infeed sensor devices only stop production flow and/or alert the user of a potential problem. Production is halted until a user notices the alarm and takes the necessary steps (i.e. down bottle) to clear alarms and restart production. This causes unnecessary line stoppages and backups.

IQM Solutions

IQM automatically removes down ware and other problematic containers from the line keeping production flowing.

Installation requirements

- Space to install: 500mm (19.7" in)
- Input air: 3.5 bars [50 PSI] nominal



Availability / Application

- IQM device can be fully integrated with any machine configuration such as eco, chili G1, G2, G3, BS, SW and FleXinspect B and FleXinspect C Gen III providing full statistics for the following defects: Diameter too small, diameter too large, containers too close, down container, over height and broken ware
- As a standalone device, it can be added to any existing inspection machine to prevent problematic ware from entering the machine.

Features

Job setup in real world units (mm/inch)

Height adjustment knob with readable dial

All operational setup parameters are saved in the job file for easy recall

Identifies and removes problematic ware

Benefits

Easier setup and reduced human error

Provides real world numbers that can be recorded, stored and referenced

Fast job changes

Reduced human error

Reduces line stoppages and/or the need for human intervention

Eliminates possible damage to machine

