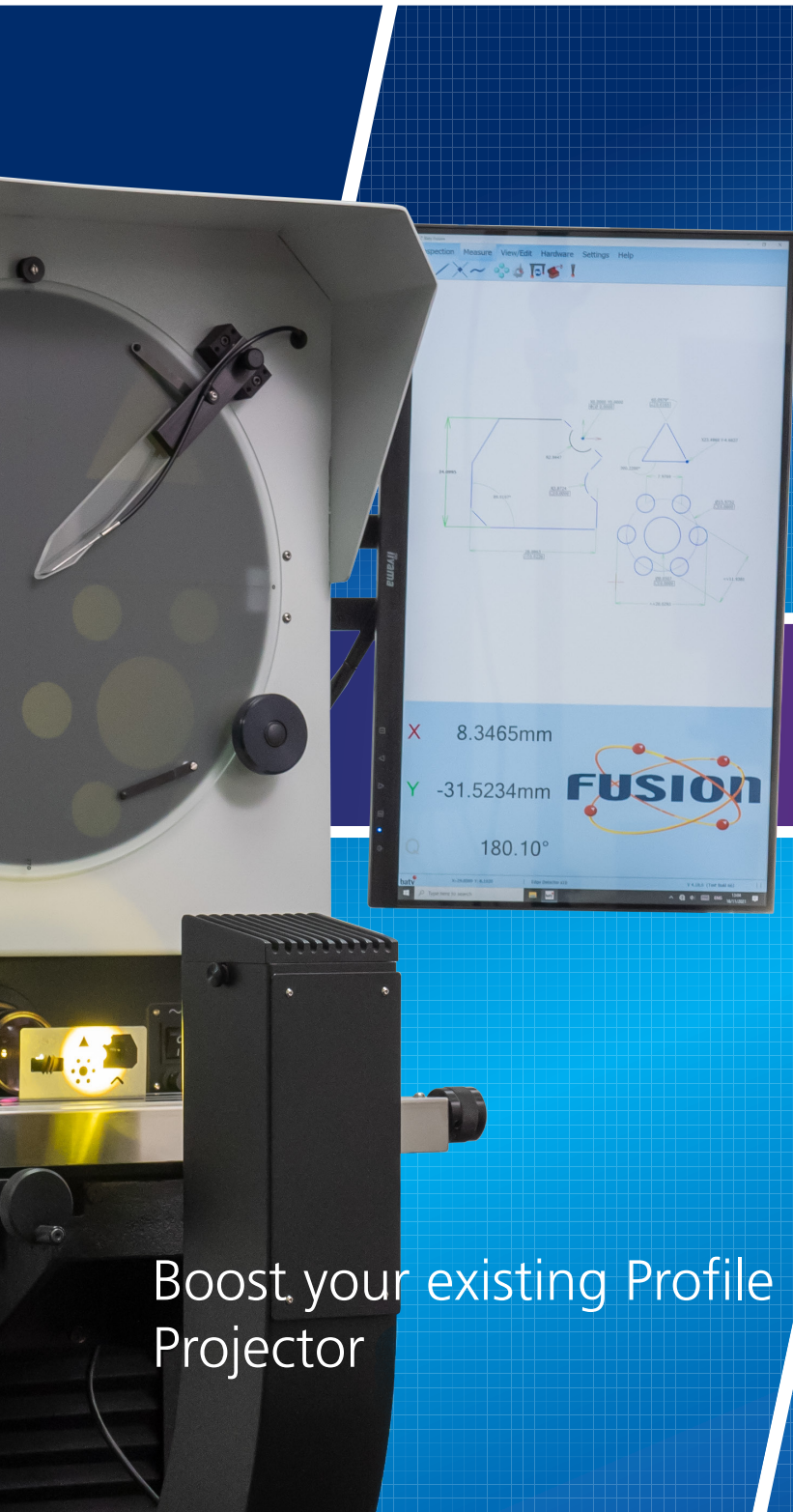




PARTNERS IN PRECISION



## FT2-E RETROFIT DISPLAYS



Boost your existing Profile  
Projector

22" Touchscreen  
Integrated Windows 10 Mini PC  
Screen Mounted Optical Edge Sensor  
Plug and Play  
Create dimensioned drawings of the  
measured part  
Fusion FT2-E Software

# FT2-E Retrofit Display

## Why Upgrade?

- Save Inspection and production setup times
- Increase measurement and reporting capability.
- Remove operator influence of measured results
- Compare scanned profile data to cad files and throw away those overlays
- Compatible with most projectors on the market

Our retrofit package can be easily fitted to many profile projectors.

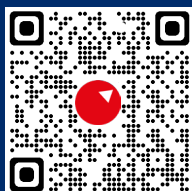
The newly developed screen mounted edge sensor allows data points to be taken quickly and used to construct standard geometric features and / or to overlay onto an imported CAD file for a "best fit" profile dimension, making the standard overlay unnecessary.

Graphical reporting options include a dimensional drawing of the measured part, with colour coded dimensions for pass / fail SPC functionality and a quick output to Excel.

Create part inspection programs that guide the operator to each feature on the part using the large graphical part view. As soon as the required data is entered, the dimension appears automatically and the operator is guided to the next feature to be measured. Once completed, a simple pass fail report is displayed with more detailed reports generated automatically.

## Technical info

For more information please go to our website using the QR code.



## Boost your Profile Projector with Baty

**Dramatically enhance the performance & functionality of your existing profile projector at a fraction of the cost of a new machine.**

Upgrade your existing profile projector to a 2D coordinate Measuring Machine by replacing its simple DRO with the FT2-E touch screen DRO developed by Baty specifically for profile projectors. This windows 10 based system includes full geometric functionality including true position, and SPC batch reporting.

Powerful excel compatible reports are automatically generated and shared on the network.



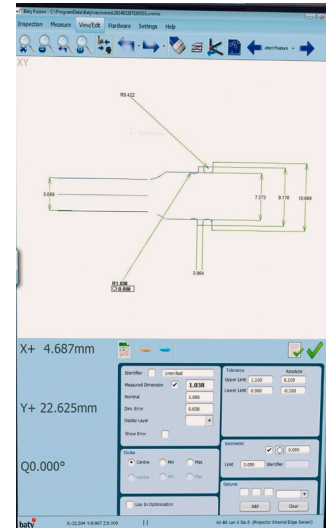
SM350 FT2-E

# FT2-E Retrofit Display

## The Software Package Upgrade

We have everything you need to transform your profile projector into a sophisticated measuring system with unrivaled functionality. The retrofit kit contains everything needed to suit your projector encoder type.

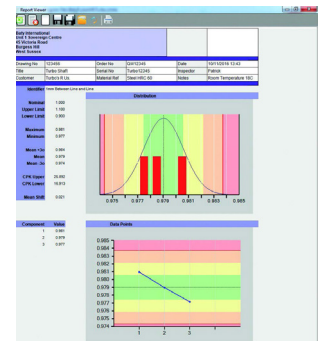
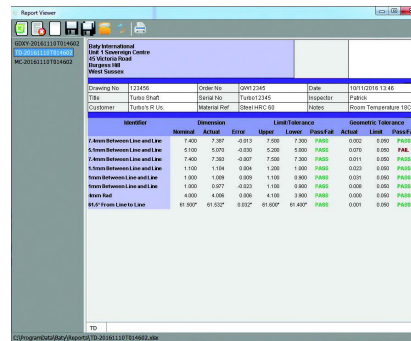
- 22" Full HD touch screen monitor with stand or mounting arm
- Mini Windows 10 PC with Fusion FT2-E software
- Interface box for connection to existing scales
- Optical edge sensor and screen mounting bar
- All necessary hardware & cables to convert from your existing scales
- Optional fitting and training from your dedicated Baty Service Engineer
- Supplied with sample component and training manual



## The Software

FUSION metrology software is the foundation for Baty's camera based, non-contact inspection systems. The combination of ease of use, advanced edge detection and graphical reporting has established this remarkable software as the standard by which other vision packages are measured.

As part of this package, all the functionality below is available to rejuvenate your exiting profile projector.

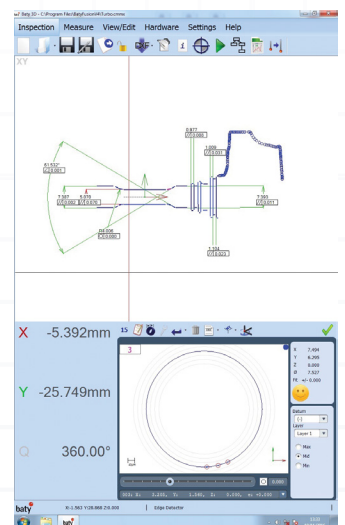


## FUSION Software Functionality

- Best fitting of profile data to imported .DXF file
- 2D Geometric measurement functions
- Graphical reporting
- SPC capability and charting
- Output to Excel
- USB / LAN connectivity
- Windows OS
- Includes inspection playback
- Function for batch inspection
- Solid state hardware from INTEL

## Optical Edge Sensor Includes

- Newly designed edge sensor is highly repeatable
- Fast data point acquisition
- No operator influence
- Can be easily retrofitted with no need for reference probe
- Easy to set up
- Entire system is plug and play
- Probe is easily fitted with no need for a second reference probe to be fitted in the lamphouse



## Get in Touch

Want to upgrade your profile projector for a fraction of the price of a new machine? Contact us for an on-site demo on YOUR projector or get in touch with your service engineer today!

Compatible Profile Projector Types: Baty, Starrett, Deltronic, Nikon, Mitutoyo, Tesa, ST and more...



# Case Study

## Bowers & Wilkins

Bowers Group has provided world-renowned loudspeaker manufacturers Bowers & Wilkins with a retrofit upgrade solution for its Baty profile projector. Based in Worthing, West Sussex, Bowers & Wilkins is a well-known British firm producing a range of audio equipment, most notably loudspeakers.

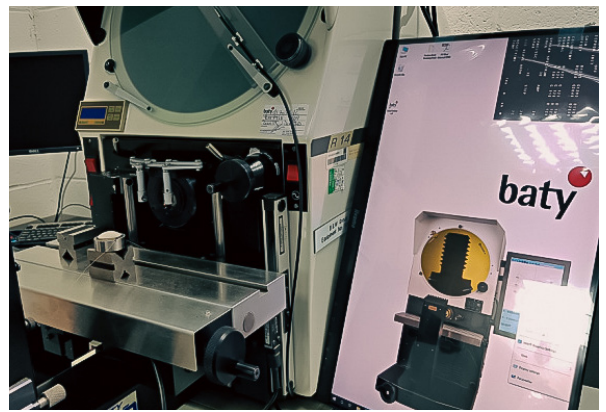
Bowers & Wilkins' diamond dome tweeter loudspeakers contain small, exceptionally delicate parts are very hard to handle, and easily distorted with contact. As a leading name in the industry with exceptionally high standards, quality is very important to Bowers & Wilkins. The tolerance of every component made, therefore, must be met with exceptional accuracy. The components had proven difficult to measure with more traditional methods of measurement such as CMM machines or calipers, as these require the parts to be touched, therefore increasing the likelihood of the component becoming distorted, damaged, or out of tolerance.

### Repeatable and Accurate Measurements

As part of the Bowers Group, the team at Baty upgraded Bowers & Wilkins' existing Baty R14-GXL to the R14-FT2E, meaning that the company now benefits from the Fusion 2D touch screen DRO and optical edge detection not offered on the previous model.

David Naylor, Quality Supervisor at Bowers & Wilkins said:

“ Highly accurate, perfectly made components are essential for the quality of our products, and the Baty unit enables us to meet those standards by ensuring repeatable and accurate measurements. ”



### Enhancing the Functionality of the Profile Projector

The company previously had an R14 GXL Shadowgraph for over 25 years, but the DRO on the Baty R14-GXL had developed a small fault after decades of use, prompting Bowers & Wilkins to look into options for replacement.

After receiving an email from Bowers Group regarding its retrofit services from the team at Baty, Bowers & Wilkins decided to upgrade its existing machine, dramatically enhancing the functionality, accuracy, and usability of the profile projector without the massive expense of a brand new machine.

“ We're very pleased with the retrofit ” said David. “ It has completely solved the problems with the old DRO and made the unit function like a new machine. It's still very user friendly, and the operators are able to use it comprehensively with fairly basic training. ”

### Significantly Increased Speed of Measurement

“ We'd never had the optical edge detection until the upgrade; it has significantly increased the speed of the measurement process, and the touch screen really is easy to use. ” It is visually very important that Bowers & Wilkins products are well made, and also very important for the sound quality. ”

- David Naylor, Quality Supervisor