

Instrowest belt weighing solutions

Let Instrowest assist you with your belt weighing issues. We are not a weightometer manufacturer, and therefore we can give unbiased advice.

We are able to service many makes of weightometers and are the WA service Agents for Tecweigh.

We are also able to service:

- Siemens
- Tecweigh
- Thermo Ramsey
- Schenck
- CST
- Webtech
- Belt way

Instrowest can also assist you with the rest of your process instrumentation requirements. Feel free to give us a call or contact us via email.

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EC 8070

Siemens MSI / MMI Weightometer, accurate & reliable

Instrowest was asked by one of our clients to report on one of their weightometers. The weightometer was mounted on the discharge conveyor from an underground head frame and was found to be badly degraded, with worn out pivot points, bad corrosion, mounted over an uneven weigh area, with un-aligned and unevenly spaced idlers.

Instrowest suggested that the best course of action would be to start fresh with a new weighing solution. This involved the removal of the existing weightometer and refurbishing the entire weigh area with new stringers, toughened idler frames, new balanced and adjustable rollers and two new Siemens MSI weigh frames.



Old uneven weigh area, curving throughout and weightometer

Instrowest worked closely with the client's project team to remove the old weightometer and idlers, as well as install two new stringers that provided a flat and level weigh area in which to install the idler and weigh frames. The stringers were custom made by the project team to create the flat area required.



Client Project team removing old frames



New flat and level conveyor stringers fitted

With the new stringers fitted, Instrowest shimmed up all the idler frames and weigh frames to achieve level mounts for the balanced and adjustable rollers. All idlers were spaced exactly the same distance apart over the weigh area to ensure that the load was evenly distributed. Once all the idler frames were fitted, Instrowest fitted the balanced and adjustable rollers; these were string lined to ensure that a perfectly aligned weigh area was achieved. These rollers needed very little adjustment due to the attention to detail in aligning the frames earlier.



String lining and adjusting balanced rollers



New MSI frames fitted and aligned



Siemens BW500 Integrator

Instrowest then commissioned the weightometer completing a zero calibration. The Span calibration was conducted using a highly accurate set of roller calibration chains.

Results

The new Siemens weightometer installation has been installed for 5 months and has proven to be accurate and reliable. Installed in this manner it has an advertised accuracy of 0.25%. Instrowest's client has been more than happy with the achieved results.

Future Improvements

Instrowest is currently working with the client to plan the installation of an electrically driven winch to assist in the deployment and retraction of the roller calibration chain.



Roller Calibration Chains

If you would like Instrowest to assist you with your belt weighing problems please contact Instrowest. Email: admin@instrowest.com.au
Or on our website: instrowest.com.au