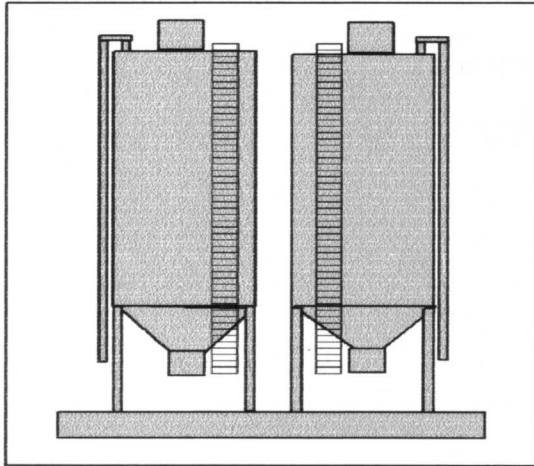




SILO-WEIGH



**Consistent and reliable
bulk solids measurement**

Capacities to > 100 tonnes

High operator confidence

Measuring the actual weight of the contents in your bulk solids silos is well proven to be overall a **more accurate, and reliable, method** than internally mounted probe, sonic, or radar systems.

Because material profiles vary, depending on whether the vessel is filling or emptying, single point methods such as probes, sonic, and radar can have significant inaccuracies.

The **weighing** method **overcomes** such **inaccuracies** because it measures the total vessel contents independent of profile.

In addition, **weighing is an external measurement**, and therefore unaffected by material type or profile, product temperature, airborne dust, or moisture effects.

Silo **weighing** systems do not replace weighbridge measurements however they can **provide reliable silo contents measurement** with accuracies upon which timely purchasing decisions can be made.

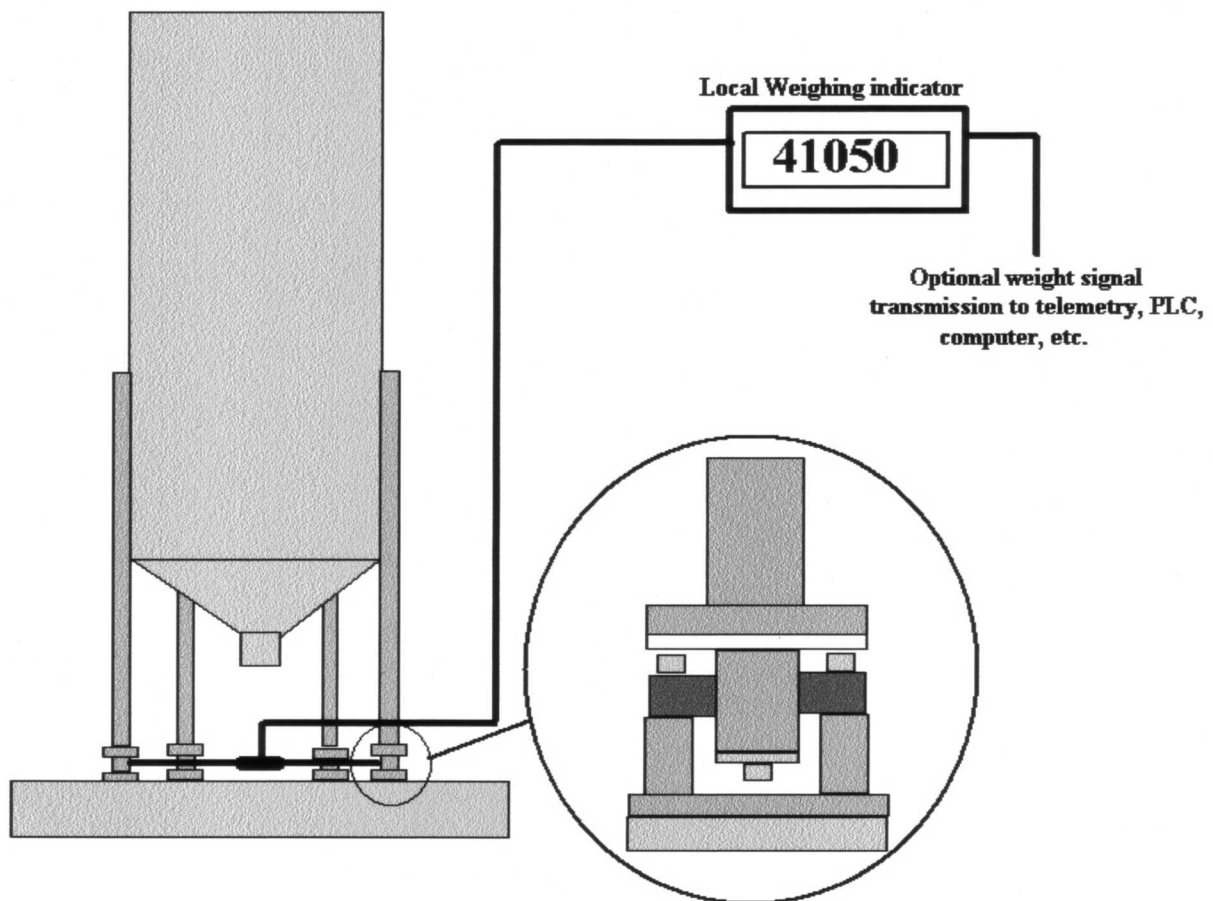
To complete the measurement, a range of instrumentation is available from simple local indication to complete monitoring and control packages.

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System Specifications

Silo capacity range: 40 tonne using 4 x Model KDSB-11 loadcell assemblies
 80 tonne using 4 x Model KDSB-22 loadcell assemblies
 120 tonne using 4 x Model KDSB-34 loadcell assemblies
 Larger capacities refer to Kelba

Construction: Loadcells—electroplated tool steel
 Mounting assembly—electroplated steel

Environmental: Both the loadcells and their mounting assemblies are environmentally protected and finished for corrosion resistance.

Summing box: The loadcells are wired through a specially designed IP67 junction box which effectively sums the individual leg loads and provides a single cable output which is representative of the total product weight being measured.

Weighing indicators: Indication of the silo contents can be provided by way of; a simple locally mounted indicator, an indicator together with a retransmitted weight signal, a local large digit display, or other optional arrangements.

Power supply: The weighing indicator is externally powered by AC or optionally DC. The loadcells are powered from the weighing indicator.

Drawings: Refer to Kelba for specific loadcell assembly drawings.