

QHS

Quality Handling Systems Pty Ltd



CROSS BELT SAMPLER - LARGE SERIES -



QHS Cross Belt Samplers are designed to collect representative samples of bulk materials from moving conveyor belts. These samplers comply with the requirements of Australian and International Standards for the sampling of bulk materials.

QHS large series Cross Belt Samplers are available to suit conveyors up to 2,500 mm belt width.



BR-LCB003



Features

The QHS Cross Belt Sampler may appear similar to many other brands of Cross Belt Sampler, but there are some important features that other brands do not often include :

- The sample cutter is driven electro-mechanically through a 360° sample stroke. The electro-mechanical drive ensures a constant cutting velocity is maintained through the complete material stream being sampled.
- The sample cutter is angled to match the angle of the resultant velocity of the belt and cutter velocities. This ensures the cutter follows the sample cut path on the belt, to maintain sample integrity.
- Specially designed, adjustable, five roll idler sets are used either side of the sampler to form the conveyor belt to suit the radial path of the sample cutter.
- The sample cutter is manufactured in stainless steel and is designed to push down on the conveyor belt during the sample cut to ensure collection of fines from the belt.
- The sample enclosure is sealed to the conveyor belt, including underneath the belt, to restrict spillage.
- A manual cranking system is provided for inching the cutter and drive for maintenance.
- Full safety guarding is provided in compliance with AS1755 and AS4024.1.
- All chutes and covers on the samplers are fabricated in stainless steel.
- All fasteners, including studs, nuts, etc. are stainless steel.
- Special designs are available to suit unique materials or requirements, e.g., enclosed units for sampling ultra fine material.

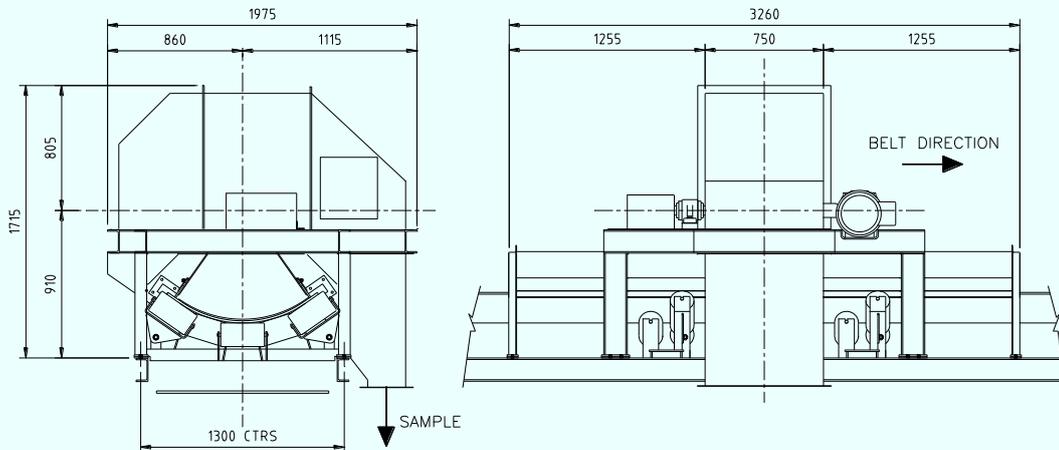




Photo of cutter taking sample.

The QHS Cross Belt Sampler samples the complete cross section of material on a moving conveyor. The conveyor belt profile is modified with specially designed adjustable 5 roll idlers to form an arc matching the path of the cutter. The sample cutter has long side walls and a rear wall which come into contact with the surface of the conveyor belt. These walls form a seal with the conveyor surface collecting the sample. The cutter is designed to hold a complete sample increment and not to overflow.





**TYPICAL DIMENSIONS
(SAMPLER TO SUIT A 1050mm WIDE BELT CONVEYOR)**

For further information or advice on sampling equipment, please contact:

Quality Handling Systems Pty Ltd

ABN 68 058 807 766

Main Office: 6 Metters Place (PO Box 6987)
Wetherill Park, Sydney, Australia 2164

Telephone: 61 2 9756 1921

E-mail: qhs@qhs.com.au

Fax: 61 2 9756 4212

Website: www.qhs.com.au

QHS European Agent - Bulk Testing International (BTI), France

Telephone: 33 235711760

E-mail: adeloye@bti-europe.eu

Fax: 33 235887519

Website: www.bti-europe.eu

QHS Indonesian Agent - PT. Geoservices (Ltd)

Telephone: 62 542 872157 or 872152

Fax: 62 542 872151

E-mail: steve.studdert@geoservices.co.id or E-mail: bdgoff@geoservices.co.id

Website: www.geoservices.co.id

Quality Handling Systems Pty Ltd are continually striving to improve our products and we therefore reserve the right to alter design and/or specifications without notice.