



## IsaMill™ Ceramic Media Supplier Options

Glencore Technology (GT) has experience using the following media types in IsaMills™ (both at Glencore-owned operations and those of external clients). The media types listed below have been deemed suitable for use in the IsaMill™ and as such GT is comfortable to recommend them for commissioning and long term use. Following these recommendations lowers the risk of running into media-related issues during IsaMill™ commissioning and operation. Media suppliers/types not listed below may be trialled after completion of commissioning and once the IsaMill™ circuit process and maintenance performance have been stabilised.

Poor quality grinding media can result in broken or misshapen beads, high consumption rates, poor grinding efficiency, poor product size distribution, higher IsaMill™ component wear rates, inability to draw full mill power or mill overloading/bogging.

Media quality should be continuously monitored, ideally with pictures and samples of dumped charges. Flat, misshapen or broken beads should be documented for quality control.

For recommendations on grinding media size selection for your particular application, please contact GT directly.

The client must approach each supplier individually for pricing and make their own decision on which is the best media to select. Each supplier can provide IsaMill™ references.

Supplier	Supplier Head-quarters	Country of Manufacture	Contact Details	Media Name <sup>1</sup>	Website
Cenotec	Korea	Korea	John Joung <a href="mailto:hanioha@hotmail.com">hanioha@hotmail.com</a> Tel. +82 55 584 9181	CZM	<a href="http://www.cenotec.com">www.cenotec.com</a>
Keramos	Australia	China	Cameron Jordan <a href="mailto:cameron@keramos.com.au">cameron@keramos.com.au</a> Tel. +61 438 808 680	Series 92	<a href="http://www.keramos.com.au">www.keramos.com.au</a>
Bitossi	Italy	Italy	Baio Giuseppina <a href="mailto:baiog@colorobbia.it">baiog@colorobbia.it</a> Tel. +39 0571 709 228	Microbit Leonardo	<a href="http://www.bitossiceramiche.it">www.bitossiceramiche.it</a>
Saint-Gobain ZirPro	France	China	Paul Hassall <a href="mailto:paul.hassall@saint-gobain.com">paul.hassall@saint-gobain.com</a> Tel. +44 1744 882 941	Minerax	<a href="http://www.zirpro.com">www.zirpro.com</a>
Magotteaux	Belgium	China	Arno Van Schalkwyk <a href="mailto:arno.van.schalkwyk@magotteaux.com">arno.van.schalkwyk@magotteaux.com</a> Tel. +27 11 467 0240	Keramax - M	<a href="http://www.magotteaux.com">www.magotteaux.com</a>
Dakot Milling Media (DMM)	South Africa	South Africa	Cobus Kotze <a href="mailto:cobuskotze@dakot.co.za">cobuskotze@dakot.co.za</a> Tel. +27 35 337 0053	AZ +	<a href="http://www.dakot.co.za">www.dakot.co.za</a>
CARBO Ceramics	USA	USA	Ricardo Santander <a href="mailto:Ricardo.Santander@carboceramics.com">Ricardo.Santander@carboceramics.com</a> Tel. (+1) 281 921 6544	Zirplus	<a href="http://www.carboindustrial.com">www.carboindustrial.com</a>
Kings Beads	China	China	Daniel Binckli <a href="mailto:daniel.binckli@kingsbeads.com">daniel.binckli@kingsbeads.com</a> Tel. (+1) 250 258 9150	King's MineMate®	<a href="http://www.kingsbeads.com/en_index/">http://www.kingsbeads.com/en_index/</a>

<sup>1</sup> Other types of media manufactured by the above suppliers have not been tested in industrial operations so may not be suitable for use in the IsaMill™.



For further information, please contact:

Glenn Stieper: [Glenn.Stieper@glencore.com.au](mailto:Glenn.Stieper@glencore.com.au)

Websites: [www.isamill.com](http://www.isamill.com)  
[www.glencoretechnology.com](http://www.glencoretechnology.com)