

Giornale – Newspaper – Zeitung N. 02 September 2013

Made in..... Italy in China!



The development of a Worldwide network is one of the main prerogative of - **TC2** - Tecnidea Cidue : export is our forte, today we can underline more than 70% of our turnover under the "column" **Export**.

By now, on the World map, there are less and less spots where TC2 does not have a subsidiary or a reliable distributor.

Yearly we get information and market analysis by our partners and co-operators, which allow us to control constantly the situation, to develop our actual position and to take some

focused actions depending on market situations.

Some Years ago - TC2 - Tecnidea Cidue opened the "frontiers" also to the **Chinese Market** with its own brand:



It was the time to approach also to this market of the East, where TC2 already exports for many years in many other Countries. For the commerce in China there is a very good relationship with our partner, who has a highly motivated staff and a good knowledge of the area:



The know-how of a **25 Years** old company, patents and more than **17 production lines** are now also available in this zone of Far East. The technology and products of TC2 are now at disposal of the Chinese market and this allows local manufacturers to make easily use of TC2 products; therefore articles, solutions and European quality.

This investment of TC2 helps also the foreign companies, that have plants in China, to find without problems our products, thus high quality replacements for their maintenance.

In order to adapt and help the approach of a new market as we always do in Tecnidea Cidue, we translated well several technical catalogues in Chinese.

Moreover **TC2 updated its web-site** giving the chance to its customers to read and download the documentation of Tecnidea Cidue in Chinese:

www.tecnideacidue.com



TC2 attended, for the first time **as exhibitor** with our partner, the power transmission fair **PTC ASIA in Shanghai**.

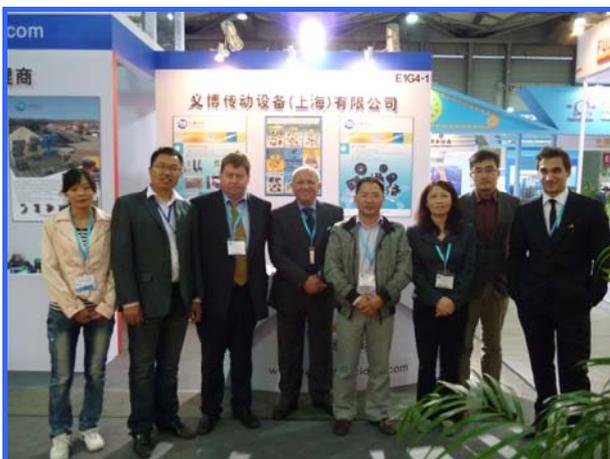


The exhibition was well organized and helped our partner to present himself to the market with the support of qualified staff of the main company Tecnidea Cidue, giving further backing and to granting even more the reliability of the project undertaken.

We took the chance to meet with several customers of Tecnidea Cidue in the Far East, for which is not always that easy to come and visit us at Hannover Messe – Germany, where we exhibit regularly.



Giorgio Canova



Tecnidea Cidue at PCT ASIA in Shanghai: pictures of stand, products and partners.



DISCOVERING TECNIDEA CIDUE...

Solutions for Belt Scrapers.

During the carriage of material on motorized conveyor belts it is advisable to project a system that helps the cleaning of the belt from remaining material right after the point of unload in order to keep it clean and efficient. Often happens that the material transported stays attached to the conveyor belt instead of falling down because of humidity or some other features of the product.

The use of belt scrapers under the unloading area helps in increasing the productivity of the plant itself and avoids accumulation of material on the ground close to the driven drum.

The belt scraper blade has to be mounted on an elastic system which let the blade keeping always under the right pressure on the belt; moreover the belt cleaner should be able to recover the wear of the blade and protect from breakage and laceration of the belt in joint areas.

Tecnidea Cidue presents several products that can solve all the problems related to this application; the most used are in **CRESA - CIAO - VIB - ARCO** production lines.

CRESA belt scrapers: thank to their simple way of use and their working principles, they became the most used and standardized for "belt scraping" applications. CRESA elements take advantage of the elastic deformation of four natural rubber inserts lodged inside two square section elements turned by 45° one compared to the other that if rotated, they create a force that keeps the cleaning blade pressed on the belt.

They can be used for angles of oscillation of up to +/-30°.

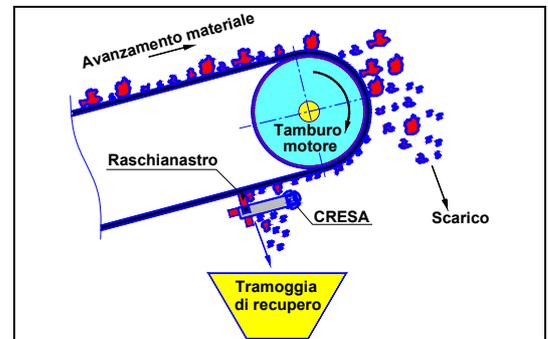
The most used product is the **tensioner type RE** (generally size 40mm). Figure 1.



The scraping blade is mounted on two RE tensioners fixed externally on the conveyor belt. Natural rubber elasticity allows the blade to keep always the right pressure and to not damage the belt in joining points and protected areas.

Tecnidea Cidue, in order to help manufacturers in producing belt scraper units, offers for this application 3 further solutions: **CRESA RER - CRESA REMER - CRESA RERU.**

These products are available on our catalogues for size 40 only (generally the most used size by the manufacturer), but on request they can be customized for other sizes and with different dimensions compared to the ones indicated on our catalogue.



Drawing of a conveyor belt with belt scraper supports.

CRESA RER 40 (Figure 2-3) has already on the lever the hole for the fixing of the square tube (usually 30mm) on which is placed the scraper blade.

Therefore, this solution helps the manufacturer to save money in terms of projecting and producing the clamp between square tube of the scraper and CRESA elastic elements.

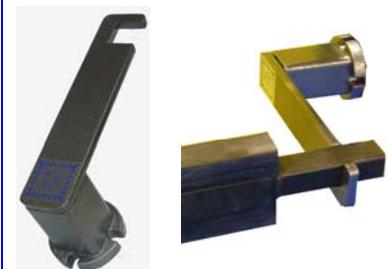


Figure 2: Tensioning device **CRESA** type **RER** (size 40). Figure 3: CRESA type RER (size 40) application.

Figure 1: Tensioning device **CRESA** type **RE** used as elastic suspension for belt scrapers.

CRESA REMER 40 (Figure 4-5), has a double advantage: a) fixing hole for scraper square tube; b) slot on the lever for axial adjusting which allows variation of the distance between cleaning blade and rotational fulcrum of the elastic element, therefore the pressure of the scraper on the belt.



Figure 4. Tensioning device **CRESA** type **REMER** (size 40).
Figure 5. **CRESA** type **REMER** (size 40) application.

CRESA RERU 40 (Figure 6-7): this elastic element allows both regulation of the angle of incidence of the cleaning scraper (total 30°) and of the fixing angle of the element.



Figure 6. Tensioning devices **CRESA** type **RERU** (size 40).



Figure 7. **CRESA** type **RERU** (size 40) application.

Tecnidea Cidue manufactures another tensioner with dimensions interchangeable with CRESA ones, **but made by plastic: CIAO**.

These products are not very expensive and they especially **solve corrosion problems**.

CIAO production line is made by plastic products with stainless steel bolts, so perfect to work outside or in contact with water. CIAO tensioner devices are available in 2 versions: **PX and PX-R** (Figure 8-9).



Figure 8. Tensioner devices **CIAO PX** and **CIAO PX-R**.



Figure 9. **CIAO PX-R** Application.

VIB rubber suspension units are usually used for multi-blade scrapers; each blade is suspended by independent units.

VIB elements work as torque springs and take advantage of the same working principle of CRESA and CIAO production lines.

VIB rubber suspension units suit several applications, starting from simple modular elements to more elaborate structures in welded steel or made of light alloy profiles and cast iron moulds.

Tecnidea Cidue customises also its products in order to find the best solution for customer's application. Figure 10-11.



Figure 10-11. **VIB AR-P** Rubber suspension units application.



Another product in Tecnidea Cidue "family" is **ARCO**. ARCO is taking place, day by day, in belt scraper application. Figure 12-13.

This product is a rotational tensioner that works through deflection of a mechanical spring.

This system allows to reach a **rotation angle of +/- 40°** and to have a loading graphic nearly linear taking into consideration the tensioner rotational degrees.

ARCO tensioners are **very strong** as they are made by steel and at the same time they are not bulky at all. Thank to these features they can be used with high temperatures, for examples for steel factories and blast furnaces conveyors.

On request, ARCO elements can be provided with a rubber covering gaiter which allows to protect the spring from dust and external agents and avoids that dirt may accumulate inside.

Moreover Tecnidea Cidue, for quarry and mining industry offers several solutions as oscillating mountings for screen and feeders, motor bases supports for belt transmissions, shock absorbers for impact beds etc.



Figure 12, **ARCO ABN**.



Figure 13, **ARCO ABGN** special application for belt scraper supports.

Eng. Enrico Caceffo

Tecnidea Cidue is going to exhibit at : **MOTEK 2013 Stuttgart – Germany! Hall 9-Booth 9617**



Come and visit us at
Motek Messe Stuttgart
07.-10. October 2013



TECNIDEA CIDUE
S.r.l.

ideas in motion...

25 Anni
di
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