

## ROSTA Performance Show 2014 (September 8–10)



anniversary of the founding of ROSTA AG, which naturally also was celebrated.

Under the meeting motto, **“the great benefits of the modules”**, the national Area Sales Managers and the ROSTA Technology Department showed the guests the current large-scale production applications of standardised and customer-specific rubber suspension elements.

It went high up with the first application, the Highstepper personal climbing system for service employees working on high voltage pylons and wind generator towers, where the ROSTA mounts compensate for distortion, thermal expansion and the effects of high winds between the mast and the climbing profile. A couple of daring participants embraced the opportunity to climb the demo mast.

At the beginning of September 2014, ROSTA AG management invited the product managers from all of the 38 ROSTA branches and subsidiaries to **Interlaken, Switzerland**, for the triennial Product Manager Meeting. A total of 44 ladies and gentlemen were welcomed to the beautiful Berner Oberland for the three-day happening in the Event Center of the Jungfrau park.

It was decided that for once this meeting should not be held in the ROSTA home base at Hunzenschwil; the spaciouly built Convention Center at the Jungfrau park offered the ideal synergy between daily work and accompanying sightseeing in the world of the Alps. This year's meeting also coincided with the 70-year





The Vertical Wind Generator mounted on the non-tearing V-special anti-vibration mounts generated great interest among the product managers. This simple and very cost-efficient type of wind generator guarantees high-energy output even under low wind conditions and enjoys broad acceptance both in the private as well as small commercial sector.



The E-Bike, with unbelievable 6 integrated ROSTA components (seat parallelogram, handlebar suspension, front suspension, two elastic suspension friction-drive rollers and a belt tensioner), took almost everyone for a quick test ride.

The test ride with the Omnichair, the most manoeuvrable electric wheelchair in the world, amazed the spectators. The ROSTA rubber suspension elements supporting the diagonal roller wheels enable absolute in-place steering, lateral travel, pirouettes, and fast manoeuvring.



The conveyor trough with the revolutionary Shovel Drive (eccentric crank drive with three-times greater return speed) also demonstrated amazingly high conveying speeds even at low revolutions. These chutes can be designed to extend to a length of up to 40 meters.



Almost all underground trains worldwide are equipped with elastic third-rail collectors to transfer power from laterally mounted tracks. The collectors themselves are mounted using ROSTA type DK 18 rubber suspension elements for elastic and vibration-free use. This application of the Blue Ones from ROSTA has proved itself since 1982.



Using type DR 27 ROSTA elements, the elastically mounted and pivoting swivel taillights for lorry trailers reduce expensive rear light wear and tear when manoeuvring long lorry trailers. When the light beam deflects by 20°, an acoustic warning signal sounds in the driver's cab.



The planting of seeds using a multi-furrow seeding machine requires the immediate covering of the seeds so that a large portion of the seed does not become bird-feed. The rotary harrow with the furrow cover wheel has the necessary furrow cover pressure from a DR-27 spring parallelogram, which also compensates for uneven soil conditions (the two oscillating control arms, black).



The DW-A 70 mine-sweeping pressure wheel bearing is very representative of a large-series application. Over 31,000 elements equipped with special dampening rubber were delivered to a manufacturer of mine sweepers. These special vehicles have been very successfully used for finding and detonating mines in Iraq and Afghanistan. An active contribution to the protection of personnel and material transportation.



The playcore see-saw with a type DW-A 50 galvanised rubber suspension element is an example of a peaceful application. The futuristic looking rocker hangs diagonally in the support stand and is secured against overloading with a mechanical stop to counter possible acts of vandalism.





Keeping to tradition, once again **the best oscillating engineer** in the ROSTA organisation has been selected in a humorous interlude. On ROSTA element suspended "riding ponies" two

jockeys competed on the racetrack. The run could only be won by maintain a constant body oscillating movement – the winner was **André Hop** from Mijnsbergen B.V. in Holland.



The product optimisation on the bestselling MB 50 motorbase was greeted with considerable interest among the product managers. With the pre-tensioning unit now horizontally oriented with a self-locking trapezoidal thread, it was possible to eliminate the somewhat awkward friction plate. In addition, the adjustment thread is protected from corrosion and dirt in a sleeve.



Two newly built exhibition displays demonstrate the universality of the ROSTA components in general machine engineering. The product managers reserved the attractive demonstration machines for the coming trade shows in their countries.

On the final evening of the meeting at Piz Gloria (the filming location for the Bond film, *On Her Majesty's Secret Service*), the best ROSTA application from the last year was announced. The proud winner was **Alex Bonatti** from Tracsa S.L. Spain. His ingenious contribution concerned the mechanical limiting of the element deflection, which earned him great applause from all of the meeting participants.



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