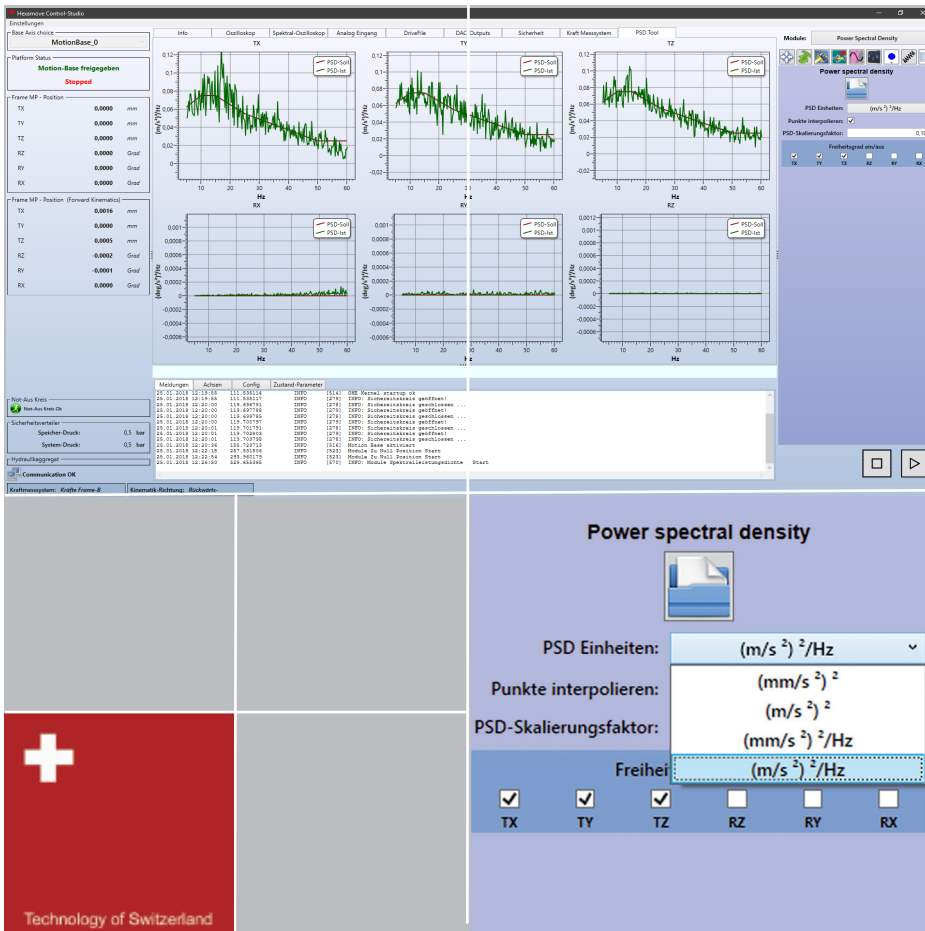


New Hexamove function module „Power Spectral Density“ with *Optimizer*



- 6dof
- Optimization of movement profiles
- Simple user interface
- Based on the EN 60068-2-64 standard

Hexapod test benches are ideally suited to simulating movements in all spatial directions and rotations. In the field of vibration testing, this is especially advantageous since component stresses can be tested under highly realistic conditions – and not just in one dimension.

One common method involves defining noise profiles over a spectral range or at defined frequencies. For this purpose, generation 5 of the Hexamove software has a new

PSD function module. This abbreviation stands for “power spectral density”. In contrast to normal noise profiles, the energy introduced into a component is considered. The test method is thus based on common standards such as EN 60068-2-64.

The optimizer algorithm is a key element of the controller. Depending on the useful load, the amplitude generally drops off at higher frequencies. The optimizer evaluates the deviation on a continuous basis

and adapts the targets to the drive system.

Due to the complex signal analysis, the new module requires the latest CPU generation along with software generation 5. However, this controller also supports older installations with an InfoLink bus system. As a result, this further development is attractive for customers with older installations too. The performance is boosted considerably – even for other functions.



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