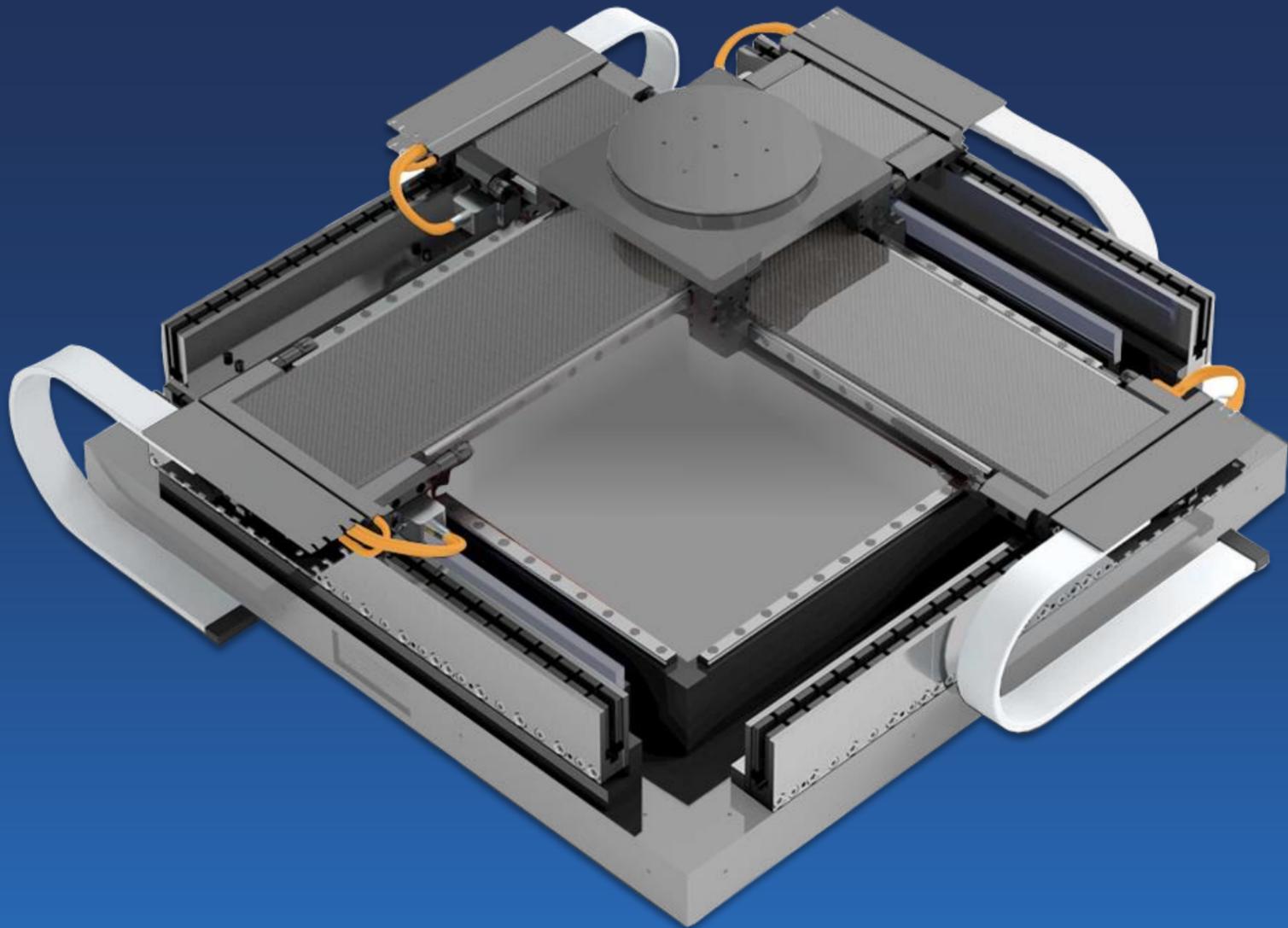


Integrated motion stage



Full system
integration



In-house
manufacturing
of all key
components



Optimized
performance



Optimized
quality



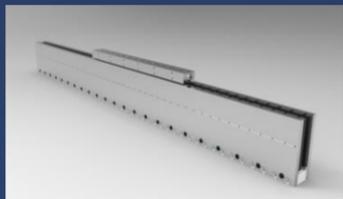
Optimized
cost

With a proven track record in the semiconductor & life sciences industry and providing custom stages and mechatronic solutions for application ranging from digital microscopy to electronics manufacturing, Prodrive Technologies developing an off-the-shelf wafer stage for application in vacuum. Integrating the existing motion components optimized towards performance and quality results in optimized quality for the best price.

Prodrive Technologies is offering is to take full functional responsibility of the motion stage and provide improvements depending on the customer specific challenges.

Integrated motion stage

Proven performance on component level



Linear motors for ultra-high-vacuum:

Major players in semicon & life sciences switched to Prodrive Technologies vacuum linear motors thanks to:

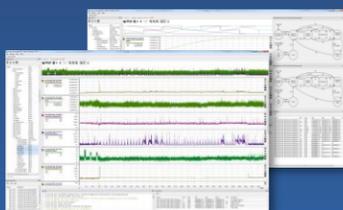
- optimized costs
- optimized performance (thermal, motor coefficient, outgassing)
- the possibility to customize the motor



Motion Drives:

Prodrive Technologies has an extensive track record in motion drives:

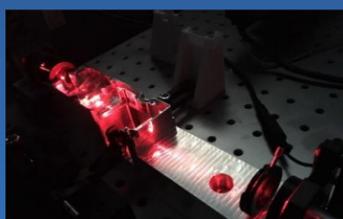
- Specialized in PWM drives (class D) with linear drive (class A) performance without the downsides such as poor reliability and power limitations
- OTS drives specifically designed for use in semiconductor applications
→ No large development expenses or time required!



Motion software (PMP):

The Prodrive OTS motion software has been specifically tailored to stage motion control and has been widely adopted by key players in semicon, life science, medical & electronics manufacturing:

- Generic software platform is readily available
- Customizations towards customer needs are always possible



Laser interferometry for Positioning

Prodrive has an extensive track record into optical solutions at system level integration. Today, we have developed a position measurement module based on laser interferometry for sub-nanometer positioning.

- Optimized to allow customizations to improve system level improvements
- Synchronization options for trigger in, sample moment to achieve sub-ns accuracy on latency

Integrated motion solution

