

A NEW ERA OF SERVO CONTROL



*Go Safer, Smarter, Smaller, Simpler.
Go **Platinum**.*

Platinum
by **Elmo** 

Safer, Smarter, Smaller, Simpler

The Next Generation of the Most Powerful Servo Drives

The Elmo Platinum series meets the evolving needs of OEM designers for safer, smarter, smaller, and faster servo drives by delivering higher functionality and capabilities, more advanced servo performance and greater ease of use for fast and simple implementation in varied applications. With the help of Platinum servo drives, manufacturers can create significantly better machines featuring both superior motion control and utmost safety.

Platinum drives provide an unmatched solution for applications requiring the highest-quality of motion and performance, in medical, robotics, material handling, semiconductor, laser processing, printing, and inspection, as well as for other applications in varied industries.

The Platinum line features ultra-precise EtherCAT networking and processing power, delivering faster cycling at higher synchronisation rates, with negligible jitters and near-zero latency. The higher processing power enables super-fast data handling, execution of advanced internal control algorithms, a larger memory and endless real-time recording and "on-line" monitoring capabilities, for high performance applications.

Additionally, Platinum servo drives are certified by TUV SUD as Safety Related Programmable Electric Systems with safety functions according to EN 61508, EN 61800, EN ISO 13849, IEC 61784 up to SIL 3 CAT4 PLe. The Platinum drives can be safely activated via TUV SUD-certified safety communication – FSoE (Fail Safe over EtherCAT) and as a stand-alone safety drive using the embedded Safe Inputs and Outputs for activating and monitoring the safety functions. Platinum drives can support up to 32 safety functions in parallel and report back parameters such as safety position, safety velocity and safe torque over safety communication.

Elmo provides a unique, friendly and simple safety configuration tool that leads the system engineer through the parameterisation, commissioning, validation and acceptance of the safety functions with a built-in CRC-protected reporting system. Elmo also offers an advanced built-in monitoring tool via EASII (Elmo Application Studio), which simplifies the integration and allows monitoring and reporting of the safety functions status.

Platinum Product Families

Platinum Bell

Next Generation Servo Driving "Any Motor"
With Certified Functional Safety

- Up to 25A/100V & 9A/200V
- Up to 2kW of Continuous Power



Platinum Solo Bell

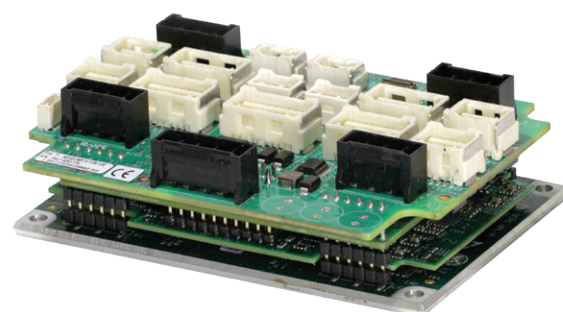


Platinum Bell

Platinum Solo Quartet

4-Axis Miniature "Ready to Use" Motion
Control System Next Generation Servo drive

- 4 X 5000W Servo Drives
- 4 Axis Motion Controller



Platinum Whistle

Next Generation Miniature
Most Powerful Servo Drive
With Certified Functional Safety

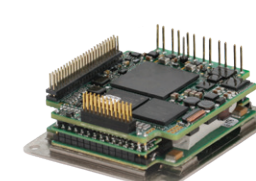
- Up to 25A/100V & 9A/200V
- Up to 2kW of Continuous Power



Platinum Solo Whistle



Platinum Solo Whistle
with Safe I/O



Platinum Whistle

Platinum Twitter

Next Generation World's Smallest
Most Powerful Servo Drive
With Certified Functional Safety

- Up to 80A/80V & 30A/200V



Platinum Solo Twitter



Platinum Solo Twitter
with Safe I/O



Platinum Twitter

Platinum Technology Highlights

Enhanced Servo Performance	> Faster More responsive Higher resolutions Additional algorithms for better control
Single Drive - Multi-Axis Control	> Drive 2 axis from a single core, 3 & 4 axis on Quartet
Enhanced EtherCAT Networking	> Faster cycling Full synchronisation of EtherCAT to position, velocity and current Loops Negligible jitters Near-zero latency
Certified Safety, Functional Safety & FSoE	> EN 61508 EN 61800 EN ISO 13849 IEC 61784 up to SIL 3 CAT4 PLe Over the network safety Rich safety I/Os Safety software
Rich Feedback Support	> More feedback support Up to 3 simultaneously (of which 2 may be absolute) Safe sensors support One cable technology
High Processing Power	> Faster data handling Larger memory Enhanced processing Realtime Recorder
Flexible Control Design	> Implement your own control design Elmo's cloud technology (SIL - Software In the Loop)



Any Motor

Any Feedback

Elmo Motion Control Ltd.

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