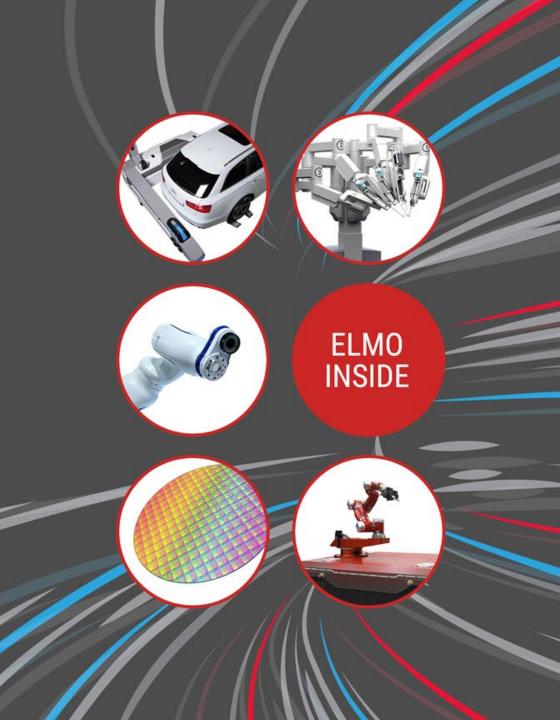


SMART SAFETY

The Ultimate Servo, with the Best of Safety



Smart Safety | Platinum Drive

Integrated Functional Safety IEC 61800-5-2

Safety Feedback

3 ports for in/out, dual absolute encoder support

Safety I/O

SIL-3 PL-e, Safe brake output



THE ULTIMATE SERVO WITH THE BEST OF SAFETY





In compliance with:

SIL-3: (IEC-61800-5-2, Functional safety of electrical safety related systems)

IEC-61800-5-2 Adjustable speed electrical power drive systems)

PL-e, **CAT-4**: (ISO 13849, Safety of machinery, safety related parts of control systems)

*certificated pending





Functional Safety goes beyond the safety of humanmachine collaboration and is extremely useful for the protection of the manufacturing goods or equipment itself.

Functional Safety defines how servo drives can reliably monitor safe motion processes, as main source of system safety



Added Machine Functionality

Through innovative safety features



Simplified Machine

Replace Safety Hardware for motion Software



Less Expensive

Replace Power Components for Logic Level





'Functional Safety' shift the safety responsibility, now relying on the servo drive for reliably monitoring motion processes, and managing critical safety functions.

This shift creates a huge advantage for manufacturing:



Added Machine Functionality
Through Start Constitution Co



Simplif Less Price

Replace Safety Hardware for motion Software



Less Time to Market

Replace Power Components for Logic Leve



Doing all of that,

with this.... And much more



That, is **SMART SAFETY**.





Less Time to Market

Replace Power Components for Logic Level

Why Elmo for Functional Safety?

We didn't invent Functional Safety, simply embedded the Elmo DNA into it

Ultimate Servo, with Best of Safety

Smallest, most powerful, most servo, now also includes the industry's most advanced safety functionality.



Highest Certification of Safety

Platinum drive with redundant architecture will obtain highest level of functional safety certification by TÜV (IEC 61800-5-2 SIL-3, Cat4 PL-e)



Safety over EtherCAT (FSoE)

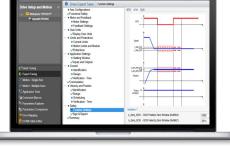
Customers can choose to engage Safety over EhterCAT - FSoE (Fail/Safe over EtherCAT) or with standalone safe digital I/O



Fast & Simple Safety Implementation

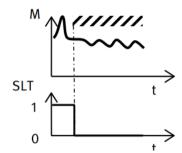
Elmo Application Studio is where all safety functions can be easily customized





Safe Limited Torque (SLT)

Elmo is one of the only drive manufacturers to offer this function



Next Generation Platinum Core



- ☐ Improved Servo Performance
- ☐ Faster **Processing**
- Enhancing System Capabilities:
 Faster Communications, Larger
 Memory, Enhanced Interfaces
- ☐ FFS Full Functional Safety
- **☐** Over EtherCAT network Safety (FSoE)



Fast & Simple Safety Implementation

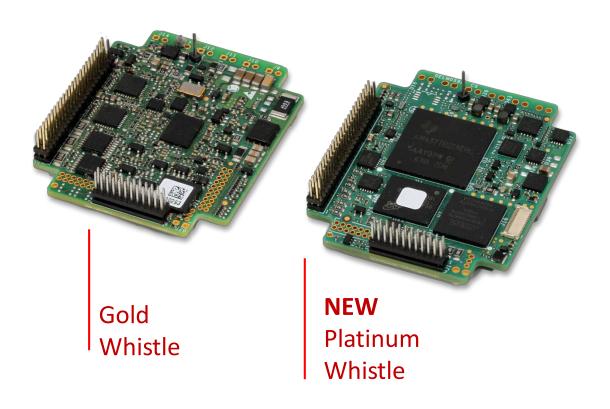
The world's most advanced motion implementations software is now where you can easily customize machine functional safety.



SOS (Safe Operating Stop) Implementation

SLS (Safely Limited Speed) Implementation

The Ultimate Servo with the Best of Safety



Same Size.
Exponentially Safer.
Fully Redundant.
Faster Processing.
Better Networking.
Improved Servo
Performance.
Elmo Platinum.

