



A Professional team specialized in industrial applications



BE FOCUSED



- System Integration
- Inverters & Drives
- Motors
- Industrial PC
- Transducer-Motor feedback



- Stock & Spare Parts
- Technical Assistance
- Installation
- Maintenance

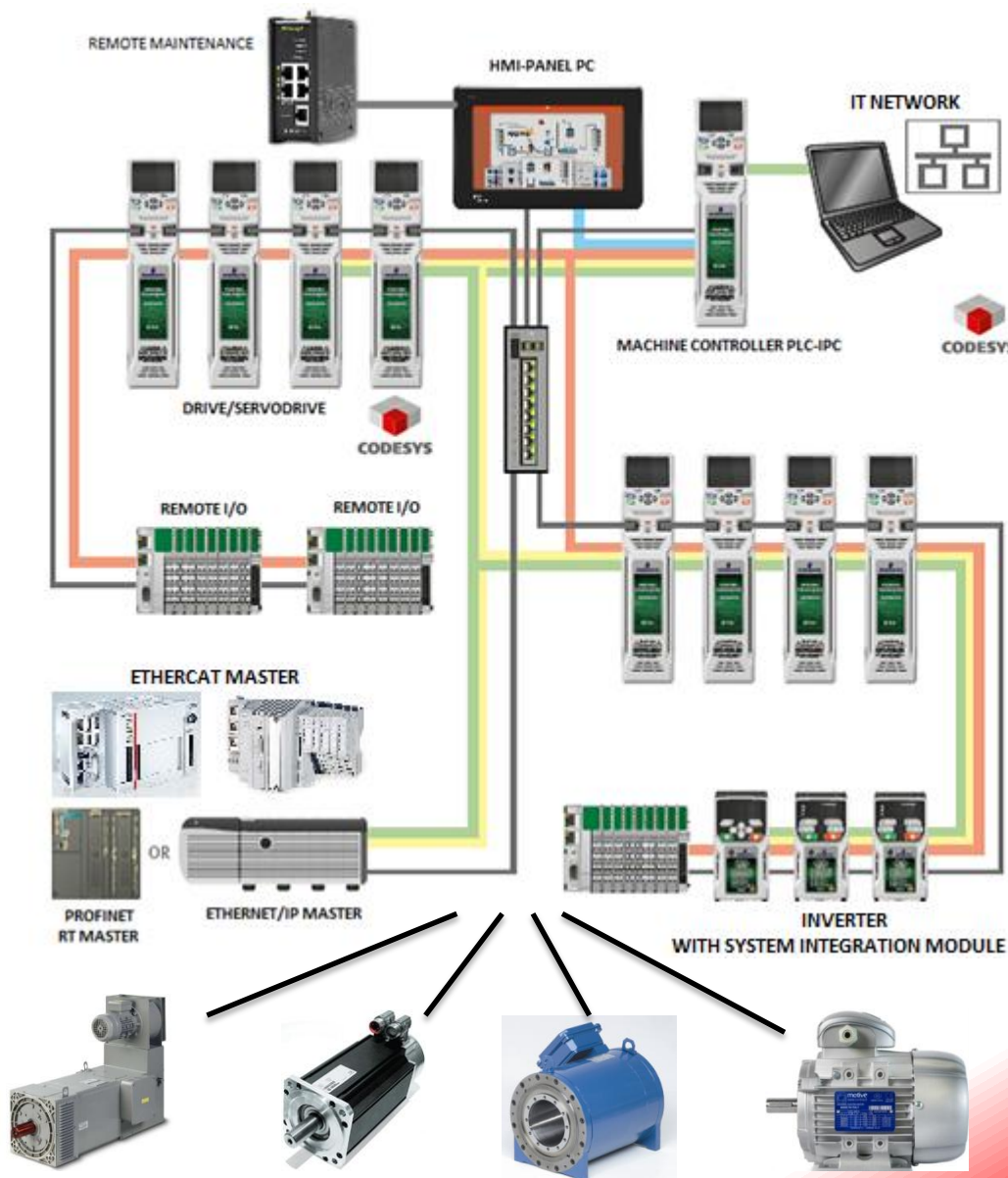


- Lithium batteries for High-performance systems
- Sincrobatt-KERS



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- 1 • Technical-commercial interface
- 2 • Feasibility
- 3 • CO-Planning
- 4 • System sizing
- 5 • Components selection
- 6 • HW / SW development
- 7 • Installation & maintenance
- 8 • **Motion Control Fine Tuning**



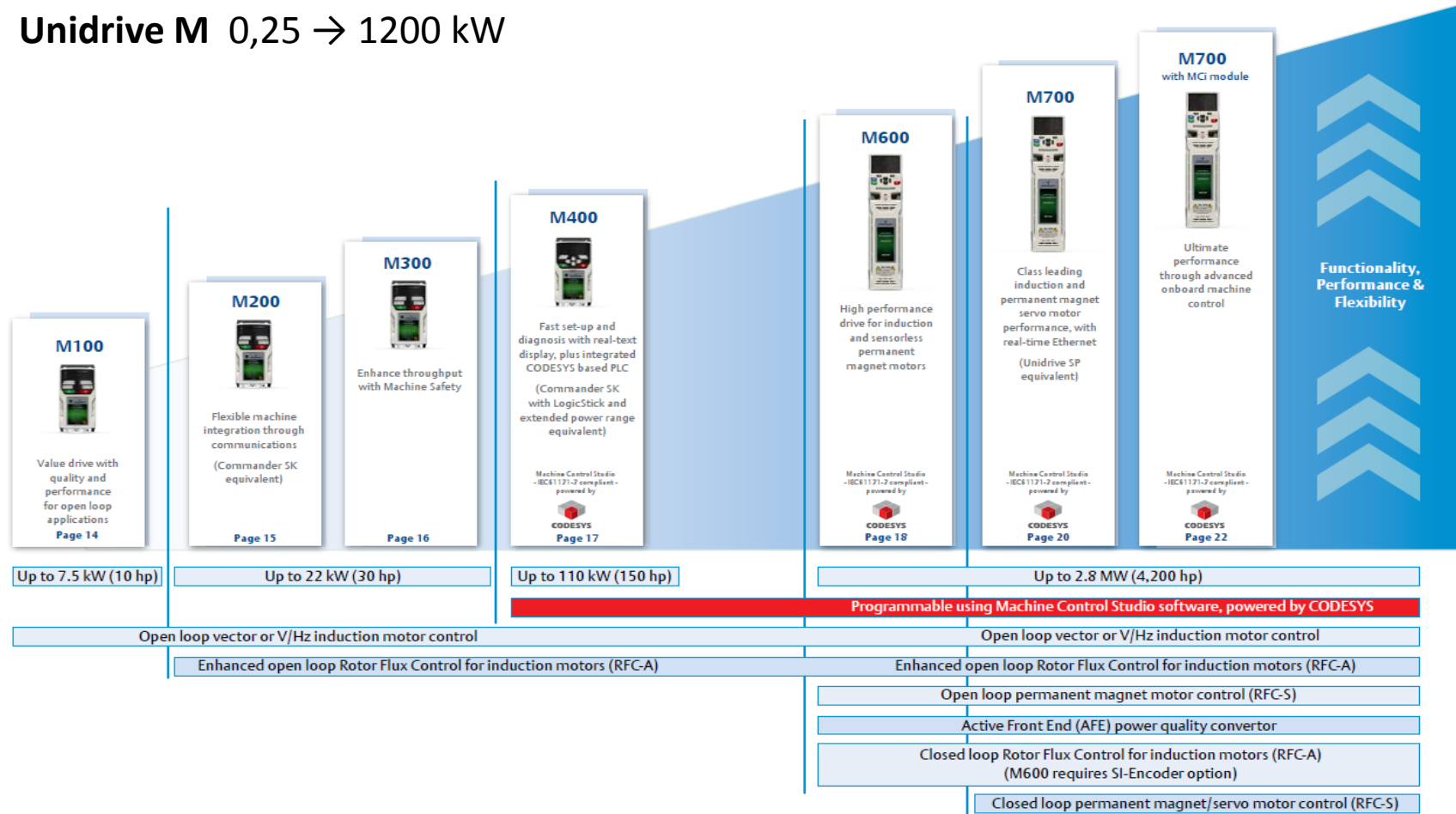
Range:

Commander SK












Unidrive SP


Unidrive M 0,25 → 1200 kW

Inverters CA



Unidrive M drives support a wide range of optional System Integration modules:

Option	Description	
System Integration Modules		
MCI200		Second processor, providing advanced machine control using Engineering Control Studio.
MCI210		Adds to the MCI200 with a dual port Ethernet Interface directly on the processor and additional I/O.
SI-Applications		Second Processor module, which allows SyPTPro application programs to be re-compiled for Unidrive M700.
SI-Safety		An Intelligent, programmable module to meet the IEC 61800-5-2/ISO 13849-1 functional safety standard up to SIL3/PLe.
SI-Ethernet		Ethernet module supports EtherNet/IP and Modbus TCP/IP.
SI-EtherCAT		EtherCAT Interface module.
SI-PROFINET RT		PROFINET RT Interface module.
SI-PROFIBUS		PROFIBUS Interface module.
SI-CANopen		CANopen Interface module
SI-DeviceNet		DeviceNet Interface module.
SI-Universal Encoder		Encoder Input and output Interface supporting Quadrature, SinCos, EnDat and SSI encoders.
SI-Encoder		Quadrature encoder Input Interface module.
SI-I/O		Extended I/O Interface module to Increase the number of I/O analog and digital points on a drive.





**ASINCRONOUS
VECTORS**

**SYNCHRO
RELUCTANCE & MAGNETS**

IEC – IE3

Range:
2-4-6-8 poles
from 0,06 → 630 kW



Range:
Series AQ-BQ Vector H 80 → 355
Torque: 1,4 → 15000 Nm
Series AJ Low inertia H 180 → 280
Torque: 550 → 2870 Nm
Serie AW Liquid Cooled H 100 → 225
Power: 3,2 → 318 Kw
IE4: Series SQ-SJ Permanent Magnets
H 100 → 355 Torque: 30 → 10000 Nm
IE4: Serie SR Reluctance
H 80 → 560 Power: 5 → 1500KW



BRUSHLESS



Range:
Series Unimotor FM - HD
Brushless tg.055 → 250
Torque 0,72 Nm → 136 Nm
Speed 2000-3000-4000-6000 RPM



Range:
Brushless H 100 → 160
Torque 46 Nm → 503 Nm
Speed 1000-2000-3000 RPM
IP54 // Opt. Liquid Cooled



TORQUE

Range:
Air Cooled
Torque 13 Nm (ø135) → 420 Nm (ø480)
Liquid Cooled
Torque 680 Nm (ø400) → 14000 Nm (ø700)





Range:

Series Mentor MP

Digital DC Evolution Drives for DC motors

Current from 25 A up to 1850 A

Powers:

- Monoblock from 7,5 kW to 750 kW
- Parallel up to 2000 kW



Series:

P-NP H 100 → 180

RP H200 → 355

NP 400 → 900

Power: 4 kW → 2000 kW (S1)

Torque: → 40000 Nm

B3/B5 - IP23/IP54





Transducer & Motor Feedback Stock & Spare Parts



HENGSTLER
your solution

Encoder standard:

- AC 58 0
- RI 58 0 Albero sporgente
- RI 58 D Asse cavo Ø 15

Electronics versions HTL, TTL 1024/2048



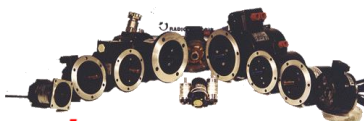
SICK | **STEGMANN**

Encoder *motor feedback* programmable
VFS60A-BHPZO-S01



Tachogenerators :

- REO 110-220-315
- REO444L
- REO444N
- REO444R
- RDC14
- REO588
- RDC215



BaumerHübner

Tachogenerators:

- GTF 7
- TDP 0,2 LS
- TDP 0,2 LT
- GTR 9

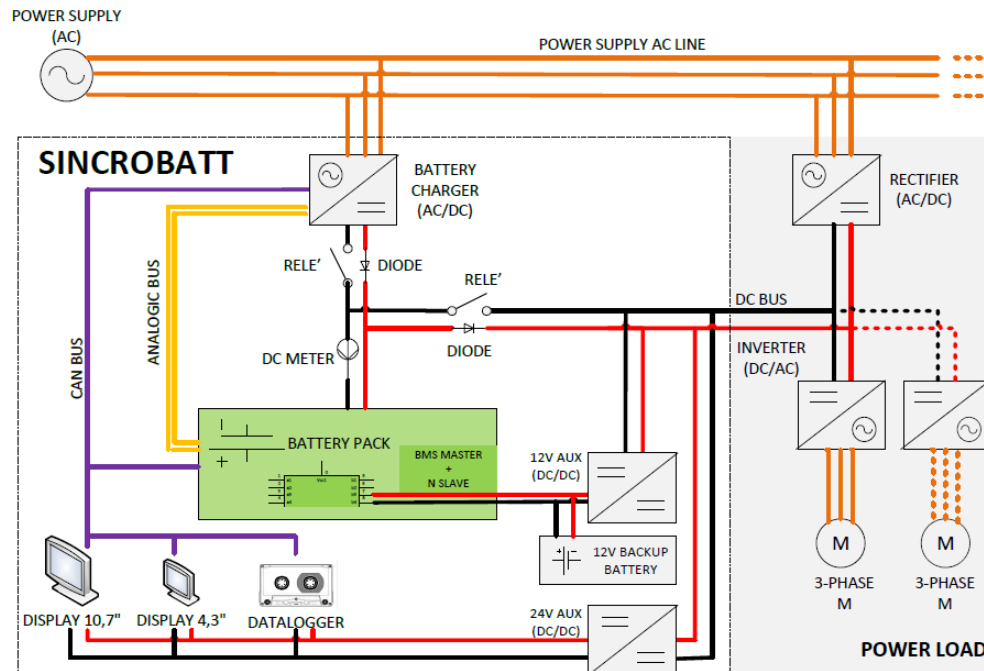


Weekly updated material **Stock list** is available in our website:

www.elsaweb.it



Customized solutions for modular accumulation systems with lithium technology from 600Wh to 100 kWh, from 12 to 1050V DC



- Peak Shaving
- Istant backup of DC Bus
- Scarica potenza 10 sec – 70C
- Scarica potenza 80 sec - 35C