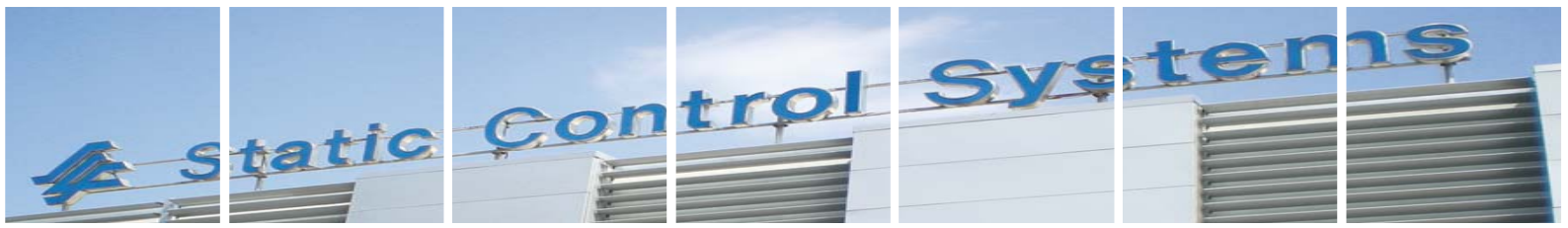
Product List

SCS Static Control Systems
Electronic Drives and Automation



SCS: Driving your Solutions to Success

The Company

SCS Static Control Systems has been successfully operating in the industrial automation field since 1977. In the beginning, the company designed and manufactured static electrical controls for automated machines and systems and, starting in 1978, it began designing and manufacturing analog converters for DC-powered motors. Thanks to its technical expertise, in 1986 SCS was chosen by Mitsubishi Electric as the sole distributor for Italy. In 1994, the company began manufacturing analog drives for trapezoidal brushless motors and in 1997, it designed and manufactured the first family of digital drives for sinusoidal brushless motors. In just a few years, the sinusoidal vector converter became the company's leading product and in 2005, a new generation of brushless motor drives was launched to upgrade the control section of the motor. The recent release of third-generation brushless servo drives crowns the 10 years evolution of the product line.

SCS operates in Italy and abroad currently offering a wide services portfolio. From analog and digital systems design, based on the expertise of its R&D department, to system integration design and deliver, based on the experience and know-how of its Engineering Department. The corporate mission is focused on quality, flexibility and the ability to assist the customer through all phases of machine realisation. After-sales service and technical support have also always been a significant part of corporate policy and have become well-known and appreciated by all operators in the industry.

The Research & Development Dept.

SCS' pride is its R&D team, which designs innovative solutions to support the most demanding performance requirements of the market. The company provides consulting and engineering services while continuously ensuring a complete product customization. Qualified engineers always up-to-date to the latest technologies concerning development platforms, design the hardware and software for our products while focusing on innovation and reliability. Digital solutions have been studied to facilitate the task of machine design engineers and the most advanced tools have been used to simulate, debug and test new-generation DSP and FPGA platforms. The daily exchange of information between the Technical Support and R&D department leads to continuous product evolution, which not only allows the customer to make the most suitable technical choices, but also guides our company to identify specifications for new product generations.

The Engineering Dept.

The significant experience gained by designing systems based on all state-of-the-art products on the market, has allowed SCS' Engineering Department to ensure maximum reliability and expertise. Specifically, SCS is a SIEMENS Certified System Integrator, thanks to 30 years of experience using specific products for the industrial automation industry. Our Engineering Department's hardware and software design engineers look for increasingly innovative solutions to simplify the commissioning and the maintenance of the systems and to achieve increasingly high performance. Our technicians' significant design experience allows them to manage commissioning and start-up phases in a timely and safe manner.

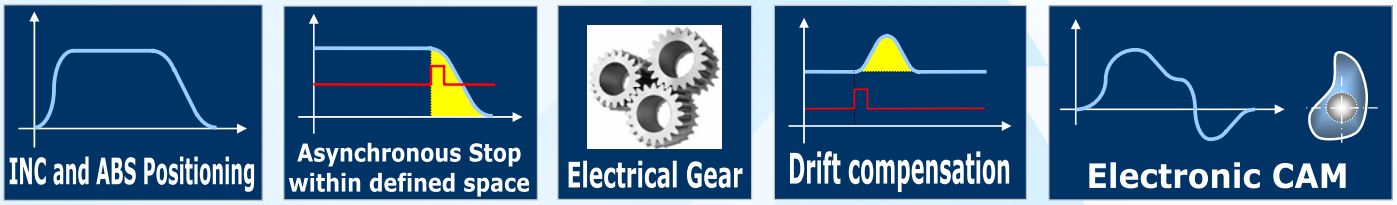
The production

Every internal phase including production, assembly and testing is performed by qualified personnel under the supervision of highly experienced managers. Thanks to close collaboration and co-design with our suppliers, the quality of our components is also constantly under control, thus guaranteeing maximum product reliability. In fact, SCS products undergo rigorous static and functional testing procedures, both for the Systems Division as well as for the Drives Division. Our personnel is continuously trained and this contributes to spread inside the company the mission concepts such as quality assurance, proactive testing and specific expertise regarding all production process phases. The R&D department provides technicians and testing operators, support regarding all requests for personalisation or to successfully pass the commissioning phase. These are just a few reasons why SCS is truly an ideal partner when it comes to positive, long-lasting collaboration based on significant technological value.

SCS has made its name in the sector over the years thanks to the excellent quality of its staff. Our staff has played an important role in this growth through constant updates and professional improvements in order to respond to increasingly strict quality standards, thereby making a vital contribution to the success of the company.

SERVO BRUSHLESS

WideLoop control designed by SCS integrates in a single loop all of the typical servo drive control modes so that you can surf between them simply using the correspondent commands without modifying the drive parameters.



PRODUCT FAMILIES

CVS$_{II}$
DIGITAL SERVO DRIVE - General Pur pose

400VAC – up to 27 A nominal (54 A peak)
230VAC – up to 18 A nominal (36 A peak)

CVS$_{Nano}$
COMPACT DIGITAL SERVO DRIVE

230VAC – up to 4 A nominal (8 A peak)

DC DRIVES

FULL CONTROLLED

CT38

2/4 QUADRANT FULL CONTROLLED THREE-PHASE DRIVES

Power supply: from 230VAC to 415VAC (on request up to 500VAC)
Current: up to 1600 A nominal (2100 A peak)

CM38

4 QUADRANT FULL CONTROLLED SINGLE PHASE DRIVES

Power supply: from 230VAC to 415VAC (on request up to 500VAC)
Current: up to 33 A nominal (50 A peak)

CM220-TR

4 QUADRANT FULL CONTROLLED SINGLE PHASE DRIVES

Power supply: 230VAC
Current: up to 16 A

HALF CONTROLLED

CM22

HALF-CONTROLLED SINGLE PHASE CONVERTER

Power supply: from 230VAC to 415VAC (on request up to 500VAC)
Current: up to 27 A nominal (40,5 A peak)

CM 220-9S

UNIDIRECTIONAL SINGLE-PHASE HALF-CONTROLLED

Power supply: 230VAC
Current: up to 9 A

DC SERVO DRIVES

CH220 - CH22

UNIDIRECTIONAL MOSFET DRIVE

Power supply: from 24VAC to 230VAC
Current: up to 6 A nominal (9 A peak)

ST

EUROCARD SERIES TRANSISTOR PWM SERVO AMPLIFIER

Output: from 24VCC to 80VCC
Current: 4 A nominal (8 A peak)

SM

EUROCARD E1 SERIES MOSFET PWM SERVO AMPLIFIERS

Output: from 23VCC up to 140VCC
Current: up to 10 A nominal (20 A peak)

PHASE SHIFTERS

PM22

FULL-WAVE SINGLE PHASE CONTROL CHARACTERISTICS

Power supply: 230VAC e 400VAC
Current: up to 50 A

PS380

FULL-WAVE THREE PHASE CONTROL CHARACTERISTICS

Power supply: 230VAC e 400VAC
Current: up to 20 A

LINE-SIDE

DCB

3 PHASE HALF CONTROLLED LINE MODULE

Power supply: from 230VAC to 415VAC (on request up to 500VAC)
Current: up to 2400 A

UFS

BRAKING UNIT FOR FREQUENCY INVERTERS/CONVERTERS

RUFC

BRAKING RESISTORS

LT

LINE INDUCTANCES

RF

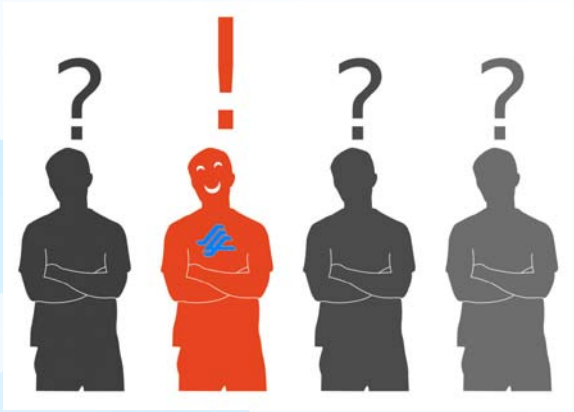
EMC FILTERS FOR INVERTERS AND CONVERTERS

SCS: Driving your Solutions to Success

SCS is the right innovation partner for you.

Our Technical Support and Research & Development engineers are ready to give you suggestions about the best design choices for your application and about the specifications of the motion control issues you are facing.

Feel free to contact us to ask our opinion.



Contact us:

WebSite: www.scs.it

Info point: info@scs.it

Sales info: sales@scs.it

Phone: **+39 - 039 999 56 1**

Fax: **+39 - 039 999 56 30**

Download manuals: directly from **SCS** website

SCS Static Control Systems S.r.l.
- ITALY -
(Milan Area)

23879 - via Piave n.84
Verderio Inferiore (LC)
Tel. +39-039.99956.1
Fax. +39-039.99956.30
info@scs.it - www.scs.it