Silicon-Controlled Rectifiers: Technologies and Global Markets

Description: This report provides an up-to-date analysis of recent developments and current trends in the global SCR market, including identifying significant drivers of revenue growth. Forecasts provided through 2020.

This report provides:

- An overview of recent developments and current trends in the global markets for silicon controlled rectifiers
- Analyses of global market trends, with data for 2014, estimates for 2015, and projections of compound annual growth rates (CAGRs) through 2020
- Evaluation of major drivers of this market including increasing demand for power transmission across long distances and increasing investments on smart grids and power infrastructures
- Breakdowns of the market into major packaging types, regions, property, application and end user industries
- A look at end-use industries including automotive, power transmission, renewable energy, industrial electrical and electronics, locomotive and consumer electronics
- A discussion of the major players in each of the regional markets, current trends, major challenges, and the regional dynamics of the market

Use this report to:

- Receive an up to date analysis of recent developments and current trends in the global SCR market.
- Gain information about many applications for SCRs globally in various types of end industries.
- Review the major vendors in the SCR industry and the market share of the major players by region.
- Analyze major global drivers, current trends, major challenges, as well as regional dynamics of the market.

Reasons For Doing The Study
Rapidly growing emerging economies - mainly China and India, in terms of both economy and population - have significantly increased SCR demand over the past 10 years. In addition, SCR production is growing after the construction of new manufacturing facilities and start-up companies in Asia-Pacific.

Scope Of Report
The scope of this report is broad and covers many applications for SCRs globally in various types of end industries. The market is broken down into major packaging types, regions, property, application and end-user industries. Revenue forecasts from 2015 through 2020 are given for each major type of SCR, including for application and regional market.

The report also includes a discussion of the major players in each of the regional markets and explains the major global drivers, the current trends, major challenges, as well as regional dynamics of the market. The report concludes with a special focus on the supplier landscape. It includes detailed profiles of the major vendors in the SCR industry and discusses the market share of the major players by region.

Intended Audience
This report is intended especially for producers, suppliers, and consumers with a vital interest in SCRs and their applications. In addition, because of this report's business focus, it will be useful to sales executives and business managers as an up-to-date guide that includes challenges, drivers and trends that are expected to be significant factors in the current and future markets. The report should also be of interest to those in industries such as automotive, power transmission, renewable energy, industrial electrical and electronics, locomotive and consumer electronics.

Contents:
Chapter 1: Introduction
- Study Goals And Objectives
- Reasons For Doing The Study
- Scope Of Report
- Intended Audience
Chapter 2: Summary

Chapter 3: Overview
- Definition
- Introduction
- Construction
- Working Principle Of SCR
- SCR Triggering
- Commutation Of SCR
- Modes Of Operation
- V-I Characteristics Of SCR
- Application Of SCR By End User Industry

Chapter 4: Patent Analysis

Chapter 5: Global Market Forecast For SCR
- Global Forecast For SCR Market By Packaging Types
- Global Forecast For SCR Market By Application
- Global Forecast For SCR Market By Property
- Global Forecast For SCR Market By End Industry
- Global Forecast For SCR Market By Region
- Global Forecast For SCR Application By Region
- Global Forecast For SCR Used In End-User Industry By Region
- Global Forecast For SCR Application By Property By Region
- Global Forecast For Discreet SCR Market By Application
- Global Forecast For Module SCR Market By Application
- Global Forecast For Discreet SCR Market By End-User Industry
- Global Forecast For Module SCR Market By End-User Industry
- Global Forecast For SCR Market By Power Transmission Industry
- Global Forecast For SCR By Power Ratings In HvdC Industry
- Global Forecast For SCR Applications In Facts

Chapter 6: Drivers And Challenges
- Rising Electricity Demand And Installation Of Power Grids
- Growth Of Automotive Industry
- Increase In High-Speed Rail Train Sets Fleet
- Growth Of Aerospace And Defense Industry
- Growth Of Wind Turbine Energy
- Increasing New Technologies - A Threat

Chapter 7: Suppliers Landscape And Company Profiles
- ABB Ltd.
- Asi Semiconductor Inc.
- Bourns Inc.
- Central Semiconductor Corp.
- Continental Device India Ltd. (Cdil)
- Crydom Inc.
- Dydac Controls
- Dynex Semiconductor Ltd.
- Fairchild Semiconductor International Inc.
- Freescale Semiconductor Inc.
- Fuji Electric Co.
- Hitachi Ltd.
- Infineon Technologies Ag
- Insel Rectifiers (India) Pvt. Ltd.
- Ixys Corp.
- Jiangsu Jiejie Microelectronics Co. Ltd.
- Littelfuse Inc.
- Micro Commercial Components
- Microsemi Corp. (Mscc)
- Mitsubishi Electric Corp.
- Nec Corp.
- Nell Semiconductor Co. Ltd.
- Nxp Semiconductors
- On Semiconductor
- Recons Power Equipment Pvt. Ltd.
- Rectron Ltd.
- Redkoh Industries Inc.
- Renesas Electronics Corp.
- Sanken Electric Co. Ltd.
- Sanrex Corp.
- Semikron Elektronik Gmbh & Co. Kg
- Semitronics Corp.
- Shindengen Electric Manufacturing Co. Ltd.
- Stmicroelectronics
- Texas Instruments Inc. (Ti)
- Tsmc Ltd.
- Toshiba Corp.
- Vishay Intertechnology Inc.
- Zhejiang Huajing Rectifier Co. Ltd.
- Zhejiang Liujing Rectifier Co. Ltd.

List Of Tables

- Summary Table : Global Market For SCR By Application, Through 2020
- Table 1 : Multi-Stage High Voltage Solid State Switch
- Table 2 : Flicker-Free Fuser Control
- Table 3 : Thyristor Hard-Firing Circuit
- Table 4 : Electronic Power Tool Controller
- Table 5 : Thyristor Memory Cell Integrated Circuit
- Table 6 : Diode-Assisted Gate Turn-Off Thyristor
- Table 7 : Global Market Forecast For SCR By Packaging Types, Through 2020
- Table 8 : Global Market Forecast For SCR By Application, Through 2020
- Table 9 : Global Market Forecast For SCR By Property, Through 2020
- Table 10 : Global Market Forecast For SCR By End User Industry, Through 2020
- Table 11 : Global Market Forecast For SCR By Region, Through 2020
- Table 12 : Global Market Forecast For SCR In Motor Controls Application By Region, Through 2020
- Table 13 : Global Market Forecast For SCR In Light Dimmers Application By Region, Through 2020
- Table 14 : Global Market Forecast For SCR In Pressure Control Application By Region, Through 2020
- Table 15 : Global Market Forecast For SCR In Liquid Level Regulator Application By Region, Through 2020
- Table 16 : Global Market Forecast For SCR In Electronic Automotive Ignition Application By Region, Through 2020
- Table 17 : Global Market Forecast For SCR In Other Applications By Region, Through 2020
- Table 18 : Global Market Forecast For SCR In Automotive Industry By Region, Through 2020
- Table 19 : Global Market Forecast For SCR In Industrial Electrical And Electronics By Region, Through 2020
- Table 20 : Global Market Forecast For SCR In Power Transmission Industry By Region, Through 2020
- Table 21 : Global Market Forecast For SCR In Renewable Energy Industry By Region, Through 2020
- Table 22 : Global Market Forecast For SCR In Aerospace And Defense Industry By Region, Through 2020
- Table 23 : Global Market Forecast For SCR In Locomotive Industry By Region, Through 2020
- Table 24 : Global Market Forecast For SCR In Consumer Electronics Industry By Region, Through 2020
- Table 25 : Global Market Forecast For SCR In Other Application Industry By Region, Through 2020
- Table 26 : Global Market Forecast For SCR In Power Control Applications By Region, Through 2020
- Table 27 : Global Market Forecast For SCR Applications In Switching Systems By Region, Through 2020
- Table 28 : Global Market Forecast For SCR In Overvoltage Application By Region, Through 2020
- Table 29 : Global Market Forecast For SCR In Battery Charging Regulators By Region, Through 2020
- Table 30 : Global Market Forecast For DisCREte SCR By Application, Through 2020
- Table 31 : Global Market Forecast For Module SCR By Application, Through 2020
- Table 32 : Global Market Forecast For Module SCR By End-User Industry, Through 2020
- Table 33 : Global Market Forecast For DisCREte SCR By Other Properties By Region, Through 2020
- Table 34 : Global Market Forecast For Module SCR By End-User Industry, Through 2020
- Table 35: Global Market Forecast For SCR By Power Transmission Industry, Through 2020
- Table 36: Global Market Forecast For SCR In Hvdc Power Transmission Industry By Region, Through 2020
- Table 37: Global Market Forecast For SCR In Facts Power Transmission Industry By Region, Through 2020
- Table 38: Global Market Forecast For SCR By Power Ratings In Hvdc Industry, Through 2020
- Table 39: Global Market Forecast For SCR Below 500 Mw By Region, Through 2020
- Table 40: Global Market For SCR In 500 Mw To 999 Mw Range By Region, Through 2020
- Table 41: Global Market Forecast For SCR In The 1,000 Mw To 2,000 Mw Range By Region, Through 2020
- Table 42: Global Market Forecast For SCR Market Above 2,000 Mw By Region, Through 2020
- Table 43: Global Market Forecast For SCR Applications In Facts, Through 2020
- Table 44: Global Market Forecast For Shunt Compensation SCRs Used In Facts By Region, Through 2020
- Table 45: Global Market Forecast For Series Compensation SCRs In Facts By Region, Through 2020
- Table 46: Global Electricity Demand, 2000-2040
- Table 47: Top 8 Countries' Electrical Vehicle Production, 2014
- Table 48: Major High-Speed Rail Tracks Under Construction In France, 2014
- Table 49: Major High-Speed Rail Tracks Under Construction In Germany, 2014
- Table 50: Major High-Speed Rail Tracks Under Construction In Spain, 2014
- Table 51: Major High-Speed Rail Tracks Under Construction In Switzerland, 2014
- Table 52: Proposed High-Speed Rail Tracks In Europe By Country, 2014
- Table 53: Global Air Traffic Flow, Through 2033
- Table 54: Sale Of Passenger And Freighter Aircrafts, Through 2034
- Table 55: Global Military Expenditures By Region, Through 2014
- Table 56: Top 10 Countries For Installed Wind Capacity, H1, 2014
- Table 57: Abb's Recent Financial Performance, Through 2014
- Table 58: Dynex's Recent Financial Performance, Through 2014
- Table 59: Fairchild's Recent Financial Performance, Through 2014
- Table 60: Freescale's Recent Financial Performance, Through 2014
- Table 61: Fuji Electric's Recent Financial Performance, Through 2014
- Table 62: Hitachi's Recent Financial Performance, Through 2014
- Table 63: Infineon's Recent Financial Performance, Through 2014
- Table 64: Ixys Recent Financial Performance, Through 2014
- Table 65: Littelfuse's Recent Financial Performance, Through 2014
- Table 66: Microsemi's Recent Financial Performance, Through 2014
- Table 67: Mitsubishi Electric's Recent Financial Performance, Through 2014
- Table 68: Nec Corp's Recent Financial Performance, Through 2014
- Table 69: Nxp Semiconductor's Recent Financial Performance, Through 2014
- Table 70: On Semiconductor's Recent Financial Performance, Through 2014
- Table 71: Rectron's Recent Financial Performance, Through 2014
- Table 72: Renesas Electronics' Recent Financial Performance, Through 2014
- Table 73: Sanken's Recent Financial Performance, Through 2014
- Table 74: Shindengen's Recent Financial Performance, Through 2014
- Table 75: Stmicroelectronics' Recent Financial Performance, Through 2014
- Table 76: Texas Instruments' Recent Financial Performance, Through 2014
- Table 77: Tsmc's Recent Financial Performance, Through 2014
- Table 78: Toshiba Corp's Recent Financial Performance, Through 2014
- Table 79: Vishay's Recent Financial Performance, Through 2014

List Of Figures

- Summary Figure: Global Market Share For SCR By Application, 2015 And 2020
- Figure 1: Construction Of SCR
- Figure 2: V-I Characteristics Of SCR
- Figure 3: Global Market Share For SCR By Packaging Types, 2015 And 2020
- Figure 4: Global Market Share For SCR By Application, 2015 And 2020
- Figure 5: Global Market Share For SCR By Property, 2015 And 2020
- Figure 6: Global Market Share For SCR By End User Industry, 2015 And 2020
- Figure 7: Global Market Share For SCR By Region, 2015 And 2020
- Figure 8: Global Market Share For SCR In Motor Controls Application By Region, 2015 And 2020
- Figure 9: Global Market Share For SCR In Light Dimmers Application By Region, 2015 And 2020
- Figure 10: Global Market Share For SCR In Pressure Control Application By Region, 2015 And 2020
- Figure 11: Global Market Share For SCR In Liquid Level Regulator Application By Region, 2015 And 2020
- Figure 12: Global Market Share For SCR In Electronic Automotive Ignition Application By Region, 2015 And 2020
- Figure 13: Global Market Share For SCR In Other Applications By Region, 2015 And 2020
- Figure 77: Fuji Electric’s Revenue Share By Segment, 2014
- Figure 78: Fuji Electric’s Revenue Share By Region, 2014
- Figure 79: Hitachi’s Revenue Share By Segment, 2014
- Figure 80: Hitachi’s Revenue Share By Region, 2014
- Figure 81: Infineon’s Revenue Share By Segment, 2014
- Figure 82: Infineon’s Revenue Share By Region, 2014
- Figure 83: Ixys Revenue Share, By Region, 2015
- Figure 84: Ixys Revenue Share, By Segment, 2015
- Figure 85: Littelfuse’s Revenue Share By Segment, 2014
- Figure 86: Littelfuse’s Revenue Share, By Division, 2014
- Figure 87: Microsemi’s Revenue Share By Segment, 2014
- Figure 88: Microsemi’s Revenue Share By Region, 2014
- Figure 89: Mitsubishi Electric’s Revenue Share By Segment, 2014
- Figure 90: Mitsubishi Electric’s Revenue Share By Region, 2014
- Figure 91: Nec Corp’s Revenue Share By Segment, 2014
- Figure 92: NXP Semiconductor’s Revenue Share By Segment, 2014
- Figure 93: NXP Semiconductor’s Revenue Share By Region, 2014
- Figure 94: On Semiconductor’s Revenue Share By Segment, 2014
- Figure 95: On Semiconductor’s Revenue Share By Region, 2014
- Figure 96: Renesas Electronics’ Revenue Share By Segment, 2014
- Figure 97: Renesas Electronics’ Revenue Share By Region, 2014
- Figure 98: Sanken’s Revenue Share By Segment, 2014
- Figure 99: Shindengen Revenue Share By Business Segment, 2014
- Figure 100: Shindengen Revenue Share By Region, 2014
- Figure 101: STMicroelectronics’ Revenue Share By Segment, 2014
- Figure 102: STMicroelectronics’ Revenue Share By Region, 2014
- Figure 103: Texas Instruments’ Revenue Share By Segment, 2014
- Figure 104: Texas Instruments’ Revenue Share By Region, 2014
- Figure 105: TSMC’s Revenue Share By Region, 2014
- Figure 106: Toshiba Corp.’s Revenue Share By Segment, 2013*
- Figure 107: Toshiba Corp.’s Revenue Share By Region, 2014
- Figure 108: Vishay’s Revenue Share By Segment, 2014
- Figure 109: Vishay’s Revenue Share By Region, 2014

Ordering:

Order Online - [http://www.researchandmarkets.com/reports/3635971/](http://www.researchandmarkets.com/reports/3635971/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

- Product Name: Silicon-Controlled Rectifiers: Technologies and Global Markets
- Web Address: http://www.researchandmarkets.com/reports/3635971/
- Office Code: SCPL87XK

Product Formats
Please select the product formats and quantity you require:

- Electronic (PDF) - Single User: USD 6650
- Electronic (PDF) - 1 - 5 Users: USD 8500

Contact Information
Please enter all the information below in BLOCK CAPITALS

- Title: [Mr] [Mrs] [Dr] [Miss] [Ms] [Prof]
- First Name: ____________________________ Last Name: ____________________________
- Email Address: * ____________________________
- Job Title: ____________________________
- Organisation: ____________________________
- Address: ____________________________
- City: ____________________________
- Postal / Zip Code: ____________________________
- Country: ____________________________
- Phone Number: ____________________________
- Fax Number: ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World