

**SIEMENS**

High-performance DC drives for the metals industry

SINAMICS DCM

The versatile DC drive that perfectly integrates into existing and future automation environments

One DC drive platform fulfills any application from 3 to 40,000 hp (2.2 to 30,000 kW) with a flexible, modular design and scalable intelligence

Customers around the globe have been using DC drives from Siemens for decades — and for good reason: many years of experience, extensive and specific expertise, and continual development guarantee drive solutions with the highest degree of reliability reflecting state-of-the-art drive technology.

SINAMICS DCM sets itself apart as a scalable and modular drive system with all the tools necessary to fulfill any application, whether basic or sophisticated and demanding.

As a result, SINAMICS DCM is a cost-effective, flexible DC drive system that empowers you to purchase only what your applications require, yet have peace of mind knowing that the drive's inherent scalable, modular design easily accommodates for future expansion.

SINAMICS DCM — your advantages at a glance

Reliability and robustness	The highest degree to ensure maximum production
Cost competitive	Cost-effective options to replace or retrofit obsolete DC drives and minimize shutdown times
Cost-savings	One DC drive platform fulfills every application, reduces spare parts, simplifies training, one configuration software package.
Global support and availability	Large network of qualified system integrators, distributors and Siemens professionals for consultation, design, commissioning, service and support worldwide
Highest dynamic performance	Increased productivity and product quality
Optimal integration with automation	Comprehensive range of network interfaces: PROFIBUS, PROFINET, EtherNet/IP, standard Ethernet TCP/IP
Integrated intelligence	Free Function Blocks can be optimally adapted to an application's requirements for drive-related open-loop and closed-loop control functions (e.g. winder, sectional drive, load sharing, master-slave, cross-cutter, etc.) in a decentralized manner that relieves the workload on higher level controls

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One control platform can accommodate DC motor ratings in the power range from 3 to 40,000 hp (2.2 kW to 30 MW) and is available in four offerings.



DC converters



Base drives and custom engineered panels



Cabinets



Control modules

SINAMICS DCM delivers cost-effective options to replace or retrofit obsolete DC drives and minimize shutdown times by keeping expensive DC motors and mechanical systems in place.

Features include

- PROFIBUS — standard; PROFINET, EtherNet/IP and standard Ethernet TCP/IP (optional)
- Drive Control Chart (DCC) — scalable integrated intelligence, graphical configuration and online visualization
- Expandable I/O by connecting standardized SINAMICS modules — scalable I/O and interfaces
- Single-phase connection is possible for units ≤ 125 A
- Coated boards and nickel-plated copper busbars
- Wide temperature range

SINAMICS DCM is the scalable DC drive system for every application, whether basic or sophisticated and demanding

Continuous casters	Roughing mill main drives	Finishing mill main drives	Cold mill main drives	Z-mill main drives
Tandem mill main drives	Skin pass mill main drives	Down coilers	Payoff reel	Up coilers
Cold mill coiler	Magnet supplies	Pinch rolls	Bridle rolls	Deflector rolls
Levelers	Slitters	Edge trimmers	Side guides	Edgers
Edger adjusts	Table rolls	Brush rolls	Squeegee rolls	Coil box rolls
Looper drives	Accumulators	Motor-generator sets	Field supplies	Cross-cutters
Crank shears	Flying shears	Laying heads	Cranes, elevators and hoists	

The bottom line

Siemens continues to invest and innovate in DC drive system technology. You can have peace-of-mind knowing you will be supported today and tomorrow.

Need more information?

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- Technical information
- Features
- Industry benefits
- Typical applications

- SINAMICS DC Drives and EtherNet/IP
- SINAMICS DCM Control Module
- SINAMICS DCM Base Drive
- Success Stories for Siemens DC Drives

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- The complete SINAMICS drives family

Brochures

SINAMICS DCM The innovative DC drive — scalable and with integrated intelligence
SINAMICS DCM Base Drives Overview
SINAMICS DCM Cabinets Overview
SINAMICS — one family, one source, all applications

Order number

DRBR-DCM01-0613
DCBR-DCMBD-0115
E20001-A120-P520-X-7600
DRBR-SINFM-0415

Catalogs

SINAMICS DCM Converter Units, Control Module	Catalog D23.1 Edition 2014
SINAMICS DCM Cabinets	Catalog D23.2 Edition 2013

Order number

DCCA-D231X-0115
E86060-K5523-A121-A2-7600