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

<table>
<thead>
<tr>
<th>Advantage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reliability and robustness</td>
<td>The highest degree to ensure maximum production</td>
</tr>
<tr>
<td>Cost competitive</td>
<td>Cost-effective options to replace or retrofit obsolete DC drives and minimize shutdown times</td>
</tr>
<tr>
<td>Cost-savings</td>
<td>One DC drive platform fulfills every application, reduces spare parts, simplifies training, one configuration software package</td>
</tr>
<tr>
<td>Global support and availability</td>
<td>Large network of qualified system integrators, distributors and Siemens professionals for consultation, design, commissioning, service and support worldwide</td>
</tr>
<tr>
<td>Highest dynamic performance</td>
<td>Increased productivity and product quality</td>
</tr>
<tr>
<td>Optimal integration with automation</td>
<td>Comprehensive range of network interfaces: PROFIBUS, PROFINET, EtherNet/IP, standard Ethernet TCP/IP</td>
</tr>
<tr>
<td>Integrated intelligence</td>
<td>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</td>
</tr>
</tbody>
</table>
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.

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

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

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?
usa.siemens.com/sinamics-dcm
- Technical information
- Features
- Industry benefits
- Typical applications

usa.siemens.com/sinamics
- SINAMICS DC Drives and EtherNet/IP
- SINAMICS DCM Control Module
- SINAMICS DCM Base Drive
- Success Stories for Siemens DC Drives

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 numbers
- DRBR-DCM01-0613
- DCBR-DCMBD-0115
- E20001-A120-PS20-X-7600
- DRBR-SINF-M-0415
- Catalog D23.1 Edition 2014
- DCCA-D231X-0415
- Catalog D23.2 Edition 2013
- E86060-K5523-A121-A2-7600