Perform precise positioning using an MPG* when teaching and maintaining a machine.

Issue 1: A machine vibrates due to fluctuations in the motor rotation speed when the axis is moved using an MPG*.

Issue 2: A complicated filter processing program is required to keep the motor rotation speed constant.

* MPG is an acronym for manual pulse generator. An MPG is sometimes called a manual handle.

MC Test Run Library offers solution!

Thanks to the MPG Filter Function Block, precise positioning using an MPG can be achieved with simple programming.
**Compatible Models**

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Automation Controller</td>
<td>NX701-□□□□□/ NJ101-□□□□□*</td>
<td>Version 1.10 or later</td>
</tr>
<tr>
<td></td>
<td>NZ501-□□□□□/ NJ301-□□□□□</td>
<td>Version 1.10 or later</td>
</tr>
<tr>
<td>Automation Software</td>
<td>SYSMAC-SE2□□□□</td>
<td>Version 1.14 or higher</td>
</tr>
<tr>
<td>Sysmac Studio</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS Servo Drive with Built-in EtherCAT Communications</td>
<td>R88D-KN□□□□-ECT</td>
<td>Ver. 2.10 or later</td>
</tr>
<tr>
<td>Encoder input device</td>
<td>NX-EC□□□□□□, GX-EC0211/EC0241</td>
<td>Version 2.10 or later</td>
</tr>
<tr>
<td>NX-series Pulse Output Unit</td>
<td>NX-PG0□□□□□</td>
<td>Version 1.10 or later</td>
</tr>
</tbody>
</table>

* This Library is not available for NJ101-□□□□ CPU Units.

**Function Block (FB) Specifications**

<table>
<thead>
<tr>
<th>Name</th>
<th>FB name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPG Filter</td>
<td>MPGFilter</td>
<td>Creates a command position for the specified axis according to an MPG input.</td>
</tr>
</tbody>
</table>

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