



MITSUBISHI ELECTRIC CNC NEWS Vol.9

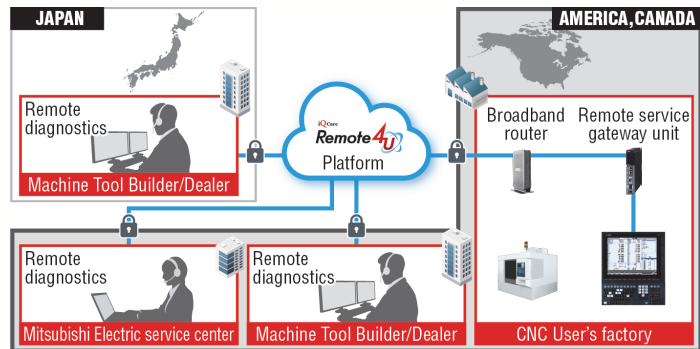
CNC Service

Our remote servicing system enhanced



On February 1, we started to offer our remote service "iQ Care Remote4U" for Mitsubishi Electric CNCs in North America (United States and Canada) as well as in Japan. Our service center in North America offers remote support to machine tools installed in the North America region. The platform of the system is also used to help machine tool manufacturers construct their own remote servicing system.

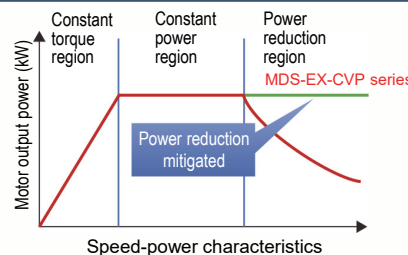
*This service is currently only available for machines installed in North America (United States and Canada) and Japan. Support will be available for other regions at a later date.



New Product & Technology

MDS-EX-CVP series power supply unit

The MDS-EX-CVP series power supply unit is a PWM converter used to stabilize/boost DC voltage. In the driving system of the high-speed, high-power spindle motor, not only the drive unit must have a large capacity, but also the power supply unit must supply stable DC voltage to the drive unit. This product mitigates reduction in output power of the spindle motor, and improves output in the high-speed region. The product has improved maintainability with replaceable fans, which are newly adopted for power supply units.



Information

Smart Manufacturing Summit 2021 in Taiwan (March 16, 2021)

We participated in the Smart Manufacturing Summit 2021 held during the period of the TIMTOS Online held in Taiwan. The theme of the summit was introduction of the state-of-the-art technology and smart NC functions. We gave a lecture on Mitsubishi Electric's thoughts on digital transformation (DX). We introduced our DX strategy and efforts in smart manufacturing that involves functions such as remote maintenance and virtual simulation, which improves productivity supported by our overall FA strategy and open cooperation.



The 16th JSPE Young Engineer Award 2020

Our employees won the JSPE Young Engineer Award 2020.

The technical encouragement prize is given by the Japan Society for Precision Engineering (JSPE) to creative, hopeful, and enterprising company researchers/engineers, who have achieved outstanding performance in the field of precision engineering. JSPE praised the development of the technology that enables rapid detection of chatter vibrations that causes surface defects and tool damage.

Title: Development of a Rapid Chatter Detection System utilizing CNC servo information

Prize winners: Drive System Control Engineering Dept., NC System Group

Drive & Control Systems Dept., NC System Group
Ryosuke Ikeda Kazuki Takahei



Online Mechatronics Solution Center now open

Mitsubishi Electric's online showroom, "Online Mechatronics Solution Center" is now open. You can freely operate the 360-degree view in this virtual space to check the latest products and solutions.

The range of products and solutions displayed in the showroom will be expanded in future. We are looking forward to your visit.



Access Online Mechatronics Solution Center



MITSUBISHI ELECTRIC CORPORATION