

Controller requirements: Productivity+™ Scanning Suite

www.renishaw.com/SPRINT

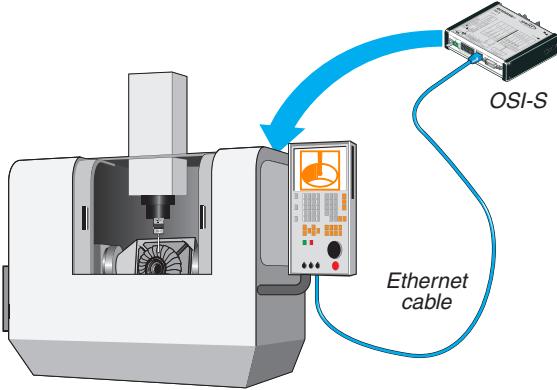
Mori Seiki MAPPS II, III, IV (Fanuc Series 31i)

The information within this document provides the minimum recommended controller requirements to enable the use of the Productivity+™ Scanning Suite on a Mori Seiki machining centre with MAPPS operating system and a Fanuc Series 31i control.

NOTE: Part numbers and descriptions within this document relating to items provided by organisations other than Renishaw are provided for information only. Whilst every effort has been made to ensure these are accurate, please contact the machine tool or controller OEM or distributor for confirmation before purchasing.

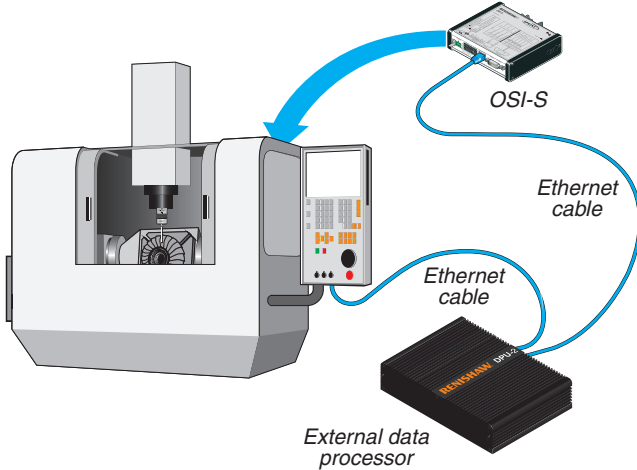
Embedded installation

Productivity+™ CNC plug-in installed on CNC machine tool control



External installation

Productivity+™ CNC plug-in installed on external data processor (Renishaw DPU-2 shown)



Embedded or external installation

The use of NC controller firmware version Gxx4 78.1 or later is recommended. ¹

| | |
|---|-----------------------------|
| High-speed serial bus (HSSB) extended driver library option | A02B-0207-J900 ² |
| Continuous positional data output function | A02B-03xx-J989 ² |
| Interruption type custom macro (UINT) | A02B-03xx-J874 ² |
| High-speed skip (2 × minimum) | A02B-03xx-J848 ² |
| Multi-step skip | A02B-03xx-J849 ² |
| 'Macro B' user macro option | Contact Fanuc |
| Additional custom macro common variables | A02B-03xx-J887 ² |
| Three pairs of M-codes | |
| PC-based front end ³ or external data processor ⁴ | |

| Application dependent options | For use with | |
|---|----------------------------------|---|
| Part program memory 512 KB | | A02B-03xx-J946 ² |
| Number of program expansion 1 | | A02B-03xx-J953 |
| Three dimensional co-ordinate system conversion (G68) | Multi-axis prismatic measurement | A02B-03xx-J713 ² |
| Titled Working Plane (TWP) (G68.2/G68.4) | SPRINT™: Blade Toolkit | A02B-03xx-S676 ² Model 'A' only (not 32i) |
| | | A02B-03xx-R522 ² Model 'B' only |
| Tool centrepont control (TCP) (G43.4) | SPRINT™: Machine Health Check | A02B-03xx-5677 ² |

¹ For earlier firmware versions, please contact Renishaw.

² Please contact Fanuc for further information and the appropriate option number.

³ PC-based front end

Microsoft Windows 7

4 GB RAM

1 GB free hard disk space or flash drive space

10/100Base-T Ethernet connection (1 × minimum, 2 × recommended)

Microsoft Windows 7 Embedded

or

Please contact Renishaw for minimum requirements

⁴ External data processor (external PC)

Microsoft Windows 7 or Microsoft Windows 7 Embedded (32-bit)

i5-2400 3.1 GHz CPU

4 GB RAM

1 × free USB port (or CD/DVD drive) for software installation

3 × 10/100Base-T Ethernet connection (2 × for SPRINT, 1 × for customer network)

An external PC meeting the required specification is available to order, Renishaw part no. A-5465-4000

NOTE: It is possible to install the CNC plug-in onto a PC with a lower specification, however this is the recommended PC specification based on the data processing requirements of SPRINT software applications.

Subject to controller configuration, use of a mouse and keyboard will help to simplify installation, programming, data entry and navigation through the Productivity+ CNC plug-in application.

Renishaw plc
New Mills, Wotton-under-Edge
Gloucestershire, GL12 8JR
United Kingdom

T +44 (0) 1453 524524
F +44 (0) 1453 524901
E uk@renishaw.com
www.renishaw.com

RENISHAW 
apply innovation™

**For worldwide contact details,
visit www.renishaw.com/contact**

RENISHAW HAS MADE CONSIDERABLE EFFORTS TO ENSURE THE CONTENT OF THIS DOCUMENT IS CORRECT AT THE DATE OF PUBLICATION BUT MAKES NO WARRANTIES OR REPRESENTATIONS REGARDING THE CONTENT. RENISHAW EXCLUDES LIABILITY, HOWSOEVER ARISING, FOR ANY INACCURACIES IN THIS DOCUMENT.

© 2013–2018 Renishaw plc. All rights reserved.

Issued: 07.2018



H - 5 4 6 5 - 8 5 0 8 - 0 6

Part no. H-5465-8508-06-B