

# Renishaw Central



## Specification

<b>Principal application</b>	Renishaw Central is a manufacturing connectivity and data platform that collects, and provides visibility of, manufacturing process data. Central enables users to monitor and update machining and quality control systems. Its features also allow for manufacturing process parameters to be updated using its IPC (Intelligent Process Control) functionality.						
<b>System requirements</b>	Maximum concurrent device connections						
	Small – up to 10	Medium – up to 25			Large – up to 150		
<b>Operating system</b>	Windows 10 64-bit <sup>1</sup> Windows server 2016 or later	Windows server 2016 or later			Windows server 2016 or later		
<b>Processor (minimum)</b>	2.5 GHz to 2.9 GHz dual-core or equivalent	3 GHz quad-core or equivalent			High performance Intel® Xeon® or equivalent		
<b>RAM</b>	8 GB	12 GB			32 GB		
<b>Disk space</b>	1 TB	4 TB			8 TB		
<b>Client browser</b>	Microsoft Edge or Google Chrome						
<b>Network</b>	Ethernet LAN interface card						
<b>Software</b>	Microsoft® .NET Framework 4.8 or later Microsoft .NET Core Hosting Bundle 6.0 <sup>2</sup> Microsoft IIS 7.0 or later <sup>3</sup>						
<b>Database</b>	PostgreSQL <sup>2</sup>						
<b>API</b>	Web API						
<b>Data available</b>	Machine status	Machine alerts	Job progress	Job yield	Metrology data	Time series data	Process updates <sup>8</sup>
<b>Renishaw products</b>							
<b>MODUS UCC Suite</b> <sup>4</sup>	✓	✓	✓	✓	✓	✓	✓
<b>Reporter</b> <sup>5</sup>	✓		✓	✓	✓	✓	✓
<b>Equator ESS</b> <sup>6</sup>	✓	✓	✓	✓	✓	✓	✓
<b>Additive MSS</b> <sup>7</sup>	✓	✓	✓			✓	
<b>Renishaw Central API</b>	✓	✓	✓	✓	✓	✓	
<b>Non-Renishaw products</b> <sup>8</sup>							
<b>MTConnect</b> <sup>9</sup>	✓	✓	✓	✓	Future release	✓	
<b>Other data sources</b> <sup>10</sup>	API integration is available for leading brands of CMM software.						

<sup>1</sup> Including Professional and Enterprise. Care must be taken not to exceed the maximum permitted connections of the operating system.

<sup>2</sup> Installed by Central if no usable version is currently installed.

<sup>3</sup> A number of Windows features including IIS services will need to be enabled.

<sup>4</sup> Available for CMMs using UCC 5.6 or later with Modus 1.11 or later.

<sup>5</sup> Available for CNC machines using Reporter 3.0 or later.

<sup>6</sup> Available for Equator machines using ESS 2.2.0.

<sup>7</sup> Available for Additive Manufacturing machines using MSS 1.40 or later.

<sup>8</sup> Contact your local Renishaw office for the latest device and CNC compatibility.

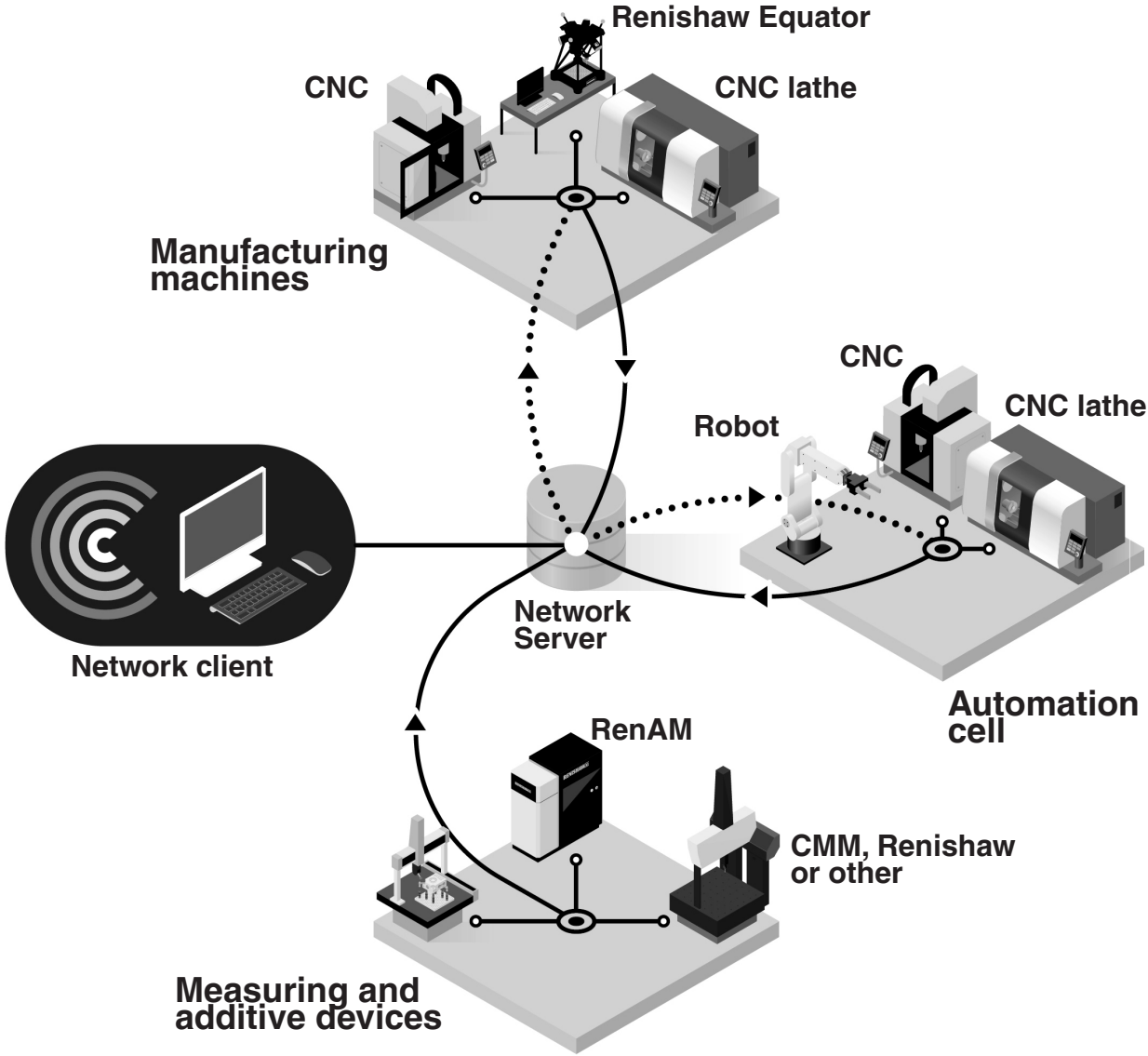
<sup>9</sup> Central outputs MTConnect 1.4 data.

<sup>10</sup> This is subject to additional application development. Bespoke custom data connectors may be required depending on the data format of exported data.

\* Functionality varies depending on the software version used.



Example system



————— Data sent over the machine shop LAN to Renishaw Central  
 ..... IPC data sent over the machine shop LAN from Renishaw Central

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