



VPSS 4ie Data Explorer

V3.03.04
Release Note

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Basic Operation Environment



■ Recommended Hardware

Processor (CPU)	Intel Core i5 or higher
Memory	x64 (Did not bundle with AP100 / PCL server) : More than 4GB x64 (Bundled with AP100 / PCL Server) : More than 8GB (Win10/11) More than 16GB (Win2016/2019/2022/2025)
Hard Disk	System area - More than 30GB, Data area - More than 100 GB

■ Basic Software

OS	Type	32 bit	64 bit
	Windows 10 Pro/Enterprise	N/A	OK
	Windows 11 Pro/Enterprise	N/A	OK
	Windows Server 2016 Standard	N/A	OK
	Windows Server 2019 Standard/Essentials	N/A	OK
	Windows Server 2022 Standard/Essentials	N/A	OK
	Windows Server 2025 Standard/Essentials	N/A	OK
.NET Framework	3.5, 4.6.2		

■ Operation Mode

Server Supported	vSDD, SDDJ
Supported Language	English, Japanese, German, French, Italian, Spanish, Portuguese, Polish, Russian, Hungarian, Chinese (Simplified), Chinese (Traditional), Korean, Thai, Vietnamese, Indonesian
System Unit	Metric, inch
Decimal, Comma Environment	Supported
AP100 System [SDD Support]	Possible; AP100 Client, Server, PCL Client – V6.00.00 or later

■ SQL Server

OS	DB Engine
Windows Server 2025 Standard	SQL Server 2022 (Standard Edition) 64bit
Windows Server 2022 Standard	SQL Server 2019 (Standard Edition) 64bit
Windows Server 2019 Standard	SQL Server 2016 SP3 (Standard Edition) 64bit
	SQL Server 2019 (Standard Edition) 64bit
Windows Server 2016 Standard	SQL Server 2016 SP3 (Standard Edition) 64bit
Windows 10 Pro/Enterprise (64bit)	SQL Server 2014 SP3 (Express Edition) 64bit
	SQL Server 2019 (Express Edition) 64bit
Windows 11 Pro/Enterprise	SQL Server 2019 (Express Edition) 64bit

Basic Operation Environment



(Reference) SQL Server list used by each software

	AP100/PCL		VPSS 4ie	
	V5.XX	V6.00~V7.00	V3.02	V3.03
Windows Server 2025 Standard	Not Supported	Not Supported	Not Supported	SQL Server 2022 (Standard Edition)
Windows Server 2022 Standard	Not Supported	V7.00.03 : SQL Server 2019 (Standard Edition)	SQL Server 2019 (Standard Edition)	SQL Server 2019 (Standard Edition)
Windows Server 2019 Standard	Not Supported	V6.00 : Not Supported V7.00.00 : SQL Server 2016 SP3 (Standard Edition) V7.00.02 : SQL Server 2019 (Standard Edition)	SQL Server 2016 SP3 (Standard Edition) SQL Server 2019 (Standard Edition)	SQL Server 2016 SP3 (Standard Edition) SQL Server 2019 (Standard Edition)
Windows Server 2016 Standard	Not Supported	V6.00 : Not Supported V7.00.00 : SQL Server 2016 SP3 (Standard Edition)	SQL Server 2016 SP3 (Standard Edition)	SQL Server 2016 SP3 (Standard Edition)
Windows 10 (64bit)	Not Supported	V6.00 : SQL Server 2014 SP1 (Express Edition) V7.00.00 : SQL Server 2014 SP2(Express Edition) V7.00.02 : SQL Server 2019 (Express Edition)	SQL Server 2014 SP3 (Express Edition) SQL Server 2019 (Express Edition)	SQL Server 2014 SP3 (Express Edition) SQL Server 2019 (Express Edition)
Windows 11 (64bit)	Not Supported	V7.00.03 : SQL Server 2019 (Express Edition)	SQL Server 2019 (Express Edition)	SQL Server 2019 (Express Edition)

- SQL Server can be bundled with different service packs.
Install the version appropriate for the software to be used.
Install SQL Server with the same language setting of VPSS 4ie.

There are no improvements that affect the screen operation or output in this version.

Notes when unique name management is effective (1/3)



When validating unique name management and saving from AMNC3i/4ie BEND, if there is a part with the same name on vSDD, the following behavior will be in the current version.

Type of data to save	Duplicate data type	Data read source	Details
PART(BEND)	PART(BEND)	Read from SDD	Save fails
		Read from vSDD	Move the PART(BEND) of the same name to the folder specified by user, overwrite and save the changed difference.
	Other than PART(BEND)	-	Save fails
PART (Including when loading and saving ASSY)	PART	Read from vSDD	Move the PART of the same name to the folder specified by user, overwrite and save the changed difference.
	SUB PART (PART in ASSY)	-	Save fails
	Other than PART	-	Save fails
Bend NC(3i/4ie)	Bend NC(3i/4ie)	Create new from AMNC	Move the Bend NC(3i/4ie) of the same name to the folder specified by user, overwrite it and save it.
		Read from vSDD	
	Other than Bend NC(3i/4ie)	-	Save fails

Saving failed To save data, you need to use AMNC3i/4ie Bend corresponding to part lock.

Notes when unique name management is effective (2/3)



* When One DB option is enabled.(AEE/AAI market)

When validating unique name management and saving from AMNC V5, if there is a part with the same name on vSDD, the following behavior will be in the current version.

Type of data to save	Details
SDD	Move the SDD of the same name to the folder specified by user, overwrite it and save it.
Bend NC(V5)	Move the Bend NC(V5) of the same name to the folder specified by user, overwrite it and save it.

When saving with SheetWorks please use the corresponding version. If saving is performed with an unsupported version, if there are parts with the same name on vSDD, saving will fail.

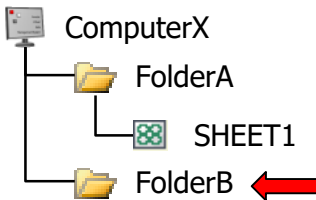
For the corresponding version, please refer to "vSDD function and availability version in each application".

Notes when unique name management is effective (3/3)



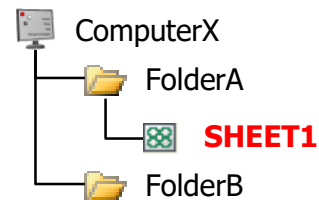
When saving from AMNC3i BLANK / AMNC4ie BLANK / AMNC-F / FMS Controller when vSDD 's unique name management is effective, it will be overwritten on the vSDD to the same name sheet / part.
At that time, the overwrite save confirmation message will not be displayed. The same is true even if the machine name is different.

<Example 1> **SHEET1** on **FolderA** is called to specify **FolderB** and saved



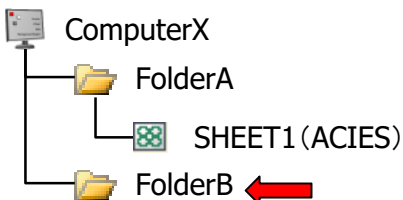
Specify FolderB and save SHEET1

<Result>



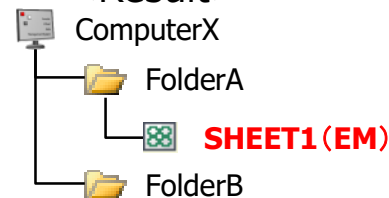
It is overwritten on
SHEET1 of FolderA.

<Example 2> When **SHEET1** exists in another folder when saving **SHEET1** (machine: **EM**) on **FolderB**



Specify FolderB and save SHEET1 (EM)

<Result>



It is overwritten on
SHEET1 of FolderA.

vSDD function and availability version in each application



Unique Name Management

Application name	Available version	Restrictions on use of unavailable version
AMNC3i BEND	Over V1.10.0	It is available with some restrictions. See "Notes when unique name management is effective (1/3)".
AMNC3i BLANK	Over AI1.9.0	It is available with some restrictions. See "Notes when unique name management is effective (3/3)".
AMNC V5	Over V5.5.02	It is available with some restrictions. See "Notes when unique name management is effective (2/3)".
AMNC-F FMS Controller	Over V2.2.15	It is available with some restrictions. See "Notes when unique name management is effective (3/3)".
SheetWorks	Ver19 SP3.0	Bundle of VPSS 3i V1.10.0 and SheetWorks is Ver19 SP 3.0 or later. Version before Ver19 SP 3.0 is not included in the bundled support.

Part Lock

Application name	Available version	Restrictions on use of unavailable version
AMNC3i BEND	Over V1.10.0	Out of service.
AMNC3i BLANK	Over AI1.11.0 (Read locked data)	Out of service.
AMNC V5	Over V5.5.02	Out of service.
AMNC-F FMS Controller	Over V2.2.15 (Read locked data)	Out of service.
SheetWorks	-	It is not applicable because there is no function to open vSDD data.

vSDD function and availability version in each application



Weld TP Upload

Application name	Available version	Restrictions on use of unavailable version
AMNC-FLW	AW2.02.00	TP can not be saved.

Reading and saving pipe data (only pipe processing)

Application name	Available version	Restrictions on use of unavailable version
Dr.ABE Tube	Over V2.60.00	You cannot save to vSDD.
AMNC3i BLANK	AI1.15.03	You cannot select pipe processing on the UI.

Reading and saving PART(Tube) and ASSY(Tube)

Application name	Available version	Restrictions on use of unavailable version
Dr.ABE Tube	Over V2.70.00	You cannot save to vSDD and read from vSDD.
SheetWorks for Tube	Over Ver21 SP2.0	You cannot save to vSDD.

Reading ASSY(Shared)

Application name	Available version	Restrictions on use of unavailable version
vLot	Pending	You can display an ASSY(Shared), but you cannot retrieve the PARTs under the ASSY.

Precautions and Limitations on use (1/3)

PD: Production Designer

PX: Parameter Explorer

DX: Data Explorer



#	Category	Content	Planned date
1	DX	The 3D model view (HSF Viewer) does not function in the calling dialogue of WELD CAM.	Undecided
2	vSDD	The UAC level needs to be the lowest on the control panel so as to connect vSDD to AMNC-F by DCOM. See C:\Program Files\AMADA3i\Tools\DataExplorer\Connect AMNC-F Settings.pdf(.xps) for the setting procedure.	Restriction on OS No plan
3	vSDD	Regarding the definition "Fitting the data name when storing the data to the specification of SDD (32 big letters, one-byte characters: A-Z, 0-9, + , -)", vSDD does not check, support of the application side is needed, and an out-of-definition data which is stored in the past can be restored, called or overwritten and stored.	No plan
4	vSDD	You cannot return from the SQL Server mode to the MDB mode.	No plan
5	vSDD	You cannot restore the backup data outputted in the SQL Server mode to the MDB mode.	No plan
6	vSDD	The bending schedule support of vSDD is needed to update to a version in which the AMNC3i BEND side corresponds to the bending schedule.	No plan

Precautions and Limitations on use (2/3)

PD: Production Designer

PX: Parameter Explorer

DX: Data Explorer



#	Category	Content	Planned date
7	vSDD	The service may not start when Windows is rebooted. In this case, execute the file "C:\Program Files\AMADA3i\DataExplorer\bin\Tools\Win10\ServiceTimeOutChange.reg" with privileges.	No plan
8	vSDD	When unique name management is enabled, please change all version of VPSS 3i connected to over V1.9.100.	No plan
9	DX	When updating from V1.11.X or earlier, "Assy size X / Y / Z" will be empty. If you copy or overwrite it, the value will be entered. Since values are present in the saved file, problems do not occur in processing applications such as PD.	No plan
10	AMNC	If you change the schedule that was imported with AMNC-F, AMNC 3i/4ie BLANK, or FMS Controller, the achievements for numbers after the order is changed will not increase.	No plan
11	DX	The estimation criteria information saved based on the CAD file input data from ABE Planner BLANK and output for the part data includes "3D image data", "Rectangular weight", "Actual weight", "Assy size X", "Assy size Y", "Assy size Z" is not output.	No plan
12	DX	In the estimate standard information that is saved based on the SDD development figure data from ABE Planner BLANK and output for the part data, "Rectangular weight", "Actual weight", "Assy size X", "Assy size Y", and "Assy size Z" are output. not.	No plan

Precautions and Limitations on use (3/3)

PD: Production Designer

PX: Parameter Explorer

DX: Data Explorer



#	Category	Content	Planned date
13	AMNC	After installing the March 14, 2023 security update, AMNC-F/FMS Controller communication may not be available. In that case, please upgrade AMNC-F to AF2.04.01 or later, FMS Controller to Ver5.02.06, FMS Controller(EU) to Ver5.02.04 SP2, and change the connection settings.	V2.07.06
14	DX	The [Estimation Work Time] on the [Detailed Information] screen is updated when you press the [Reestimation] button. Alternatively, it is updated when saved from Production Designer if [Process Planning] - [Share method with production management] is enabled.	No plan