

Smart Construction Remote User Manual

Smart Construction
Promotion Division

KOMATSU

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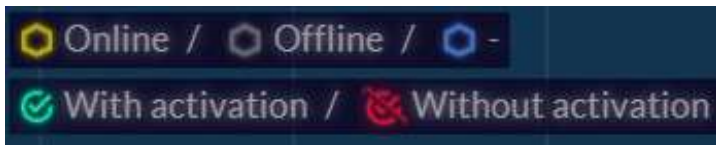
1. Dashboard icon

■ On the dashboard, icons about various functions and machine status are displayed.

The screenshot shows the SMARTCONSTRUCTION Remote interface. A search overlay is active, displaying a list of machines with their IDs and activation status. Red arrows point from specific icons in the dashboard to a legend of icons on the right.

- Search machine
- Machine list
- File transfer
- Activation
- Map type
- Overall Map View
- Zoom in
- Zoom out
- Set default location

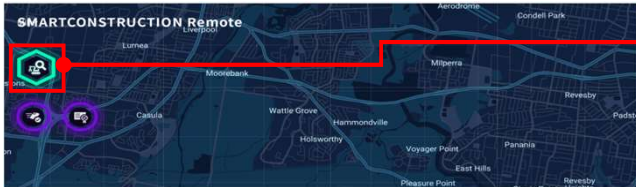
■ Machine status



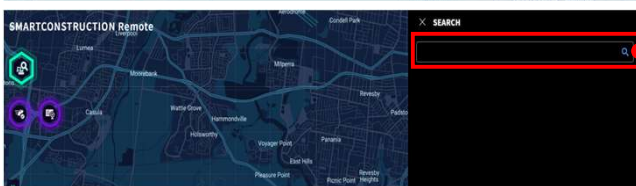
- Online
- Offline
- Offline (Disconnected)
- With activation (with license)
- Without activation (no license)

2. Search machine

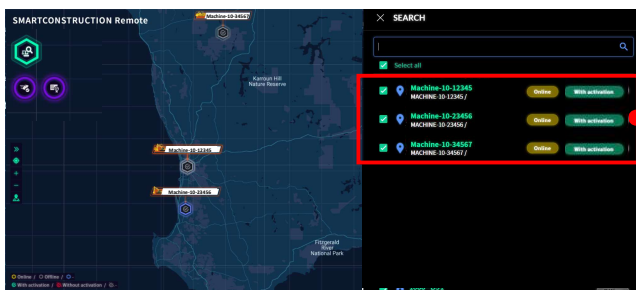
■ This feature allows users to search for machines registered in the organization



■ 1 Click the icon



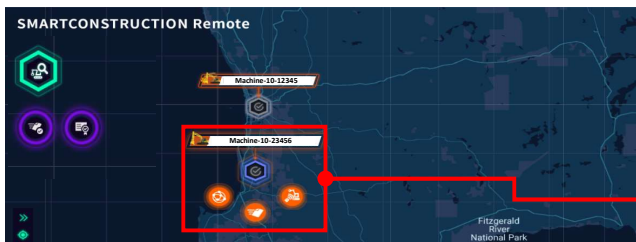
■ 2 Enter the keyword of the machine user want to search and click the icon



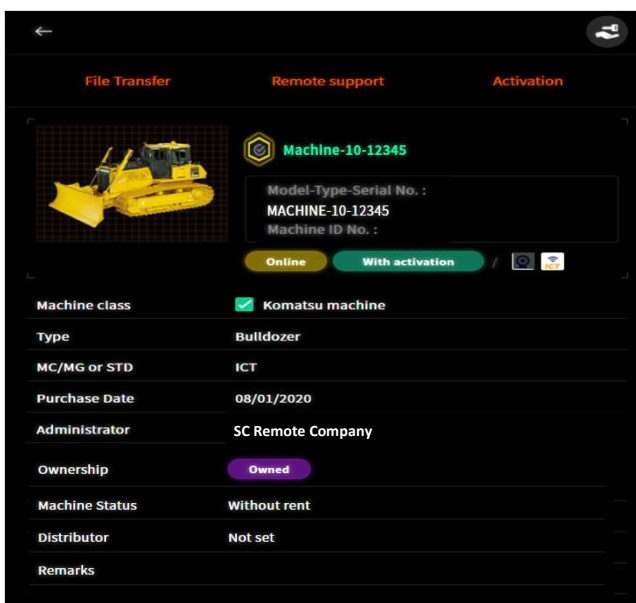
If user search without entering anything, a list of machines registered in the organization will be displayed.



■ 3 The machines that match the search results are displayed.



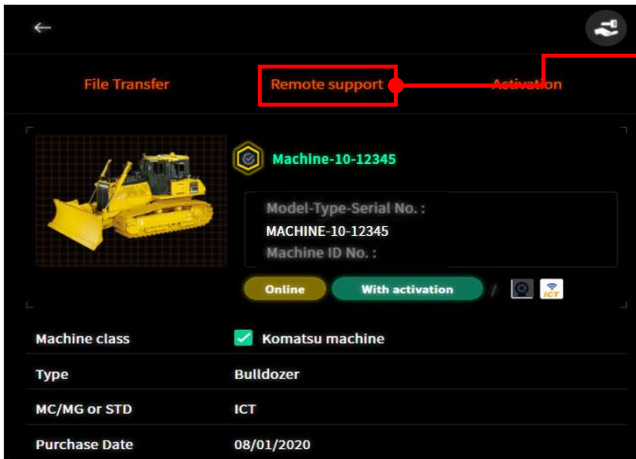
■ 4 You can also search your machines on map and access to it



■ 5 If you select a machine, you can access to detail information of the machine.

3. Remote support

■ This feature allows users to remotely control / view the machines registered in the organization



■ 1 Click “Remote support”



■ 2 Connect to the machine

- “Remote control” allows remote control of the machine monitor
- “Remote View” allows to only view the machine monitor display

Note)

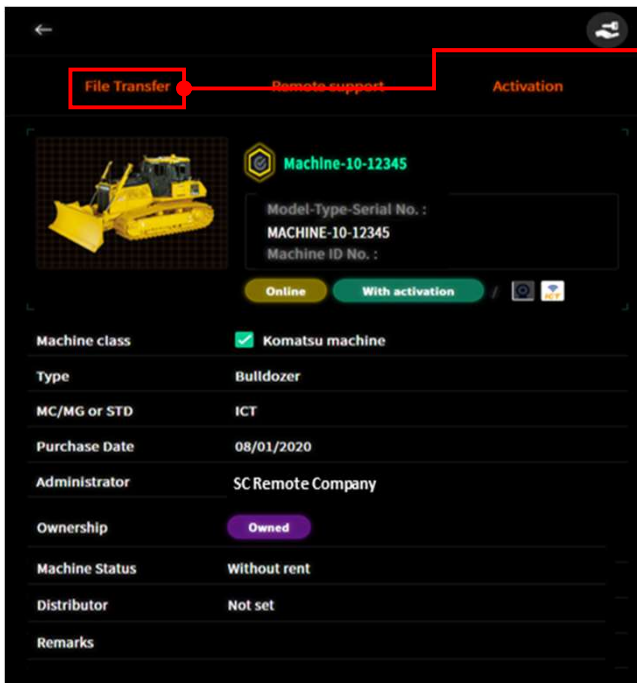
- “Android devices” are available only with remote view.



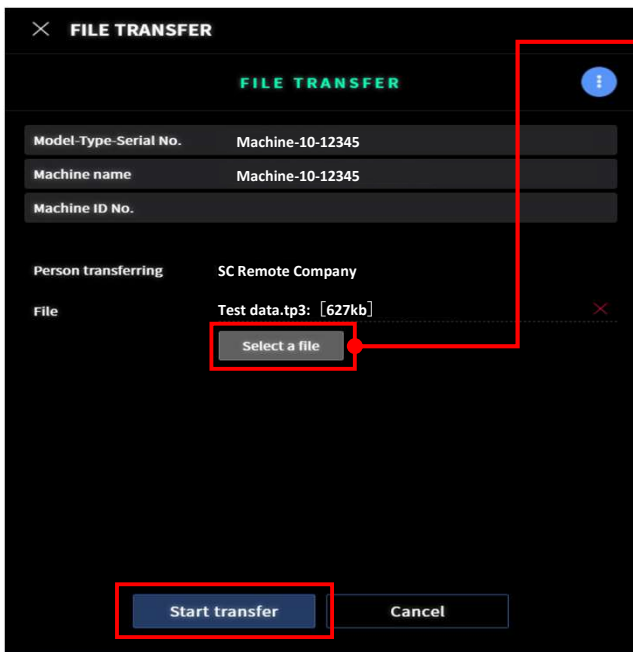
■ Depending on the type of software installed on the device, the connection permission selection screen will appear on the machine side

4. File transfer

■ This feature allows users to transfer data files to the machines registered in the organization



■ 1 Select the machine and click “File transfer”



■ 2 Select a file and send it to the machine

Multiple files can be transferred at the same time by repeatedly selecting files.

4. File transfer

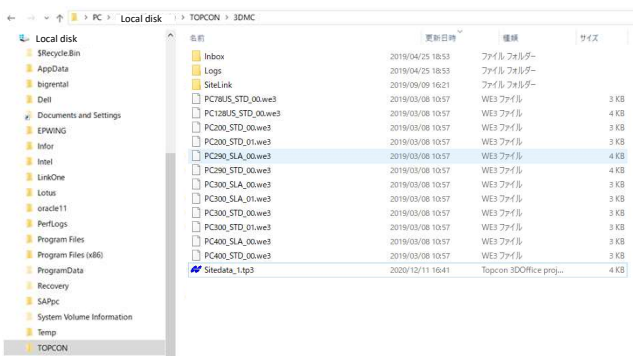
■ Display on the machine monitor during file transfer



■ Depending on the type and settings of the software installed on the device, the file transfer permission selection screen will appear on the machine side

■ In this case, you can transfer the file by pressing the "YES" button and approving it

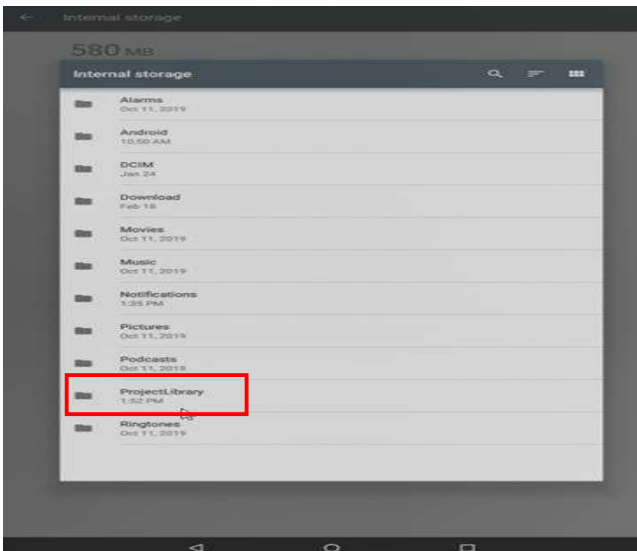
Topcon:X31,GX55,60 remote file storage folder



■ The following is the destination folder for the files received by the machine

Manufacturer	Target monitor	Destination folder
Komatsu	PH700, X31, GX60, GX55	Topcon\3DMC
TOPCON	X31, GX60, GX55	Topcon\3DMC
Trimble	TD520	ProjectLibrary

Trimble:TD520 remote file storage folder



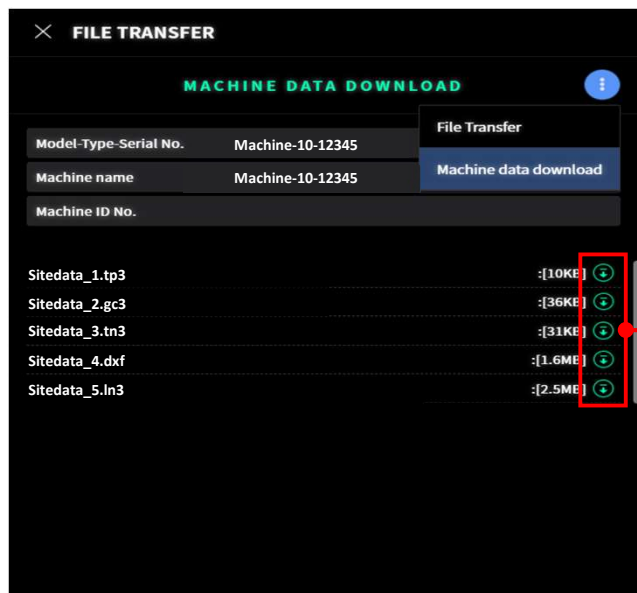
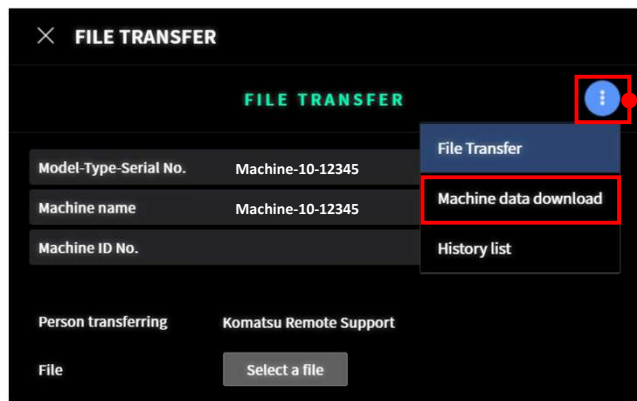
■ Files can be transferred even while the machine is switched off.

■ The files will be waiting in the cloud until the machine is switched on and the MC monitor is connected to the internet.

■ File cloud storage is limited to 72 hours. If the machine wasn't connected to the internet in time, the file will be removed from the cloud and has to be sent again.

5. Machine data download

■ This feature allows users to download various data files from the machines registered in the organization

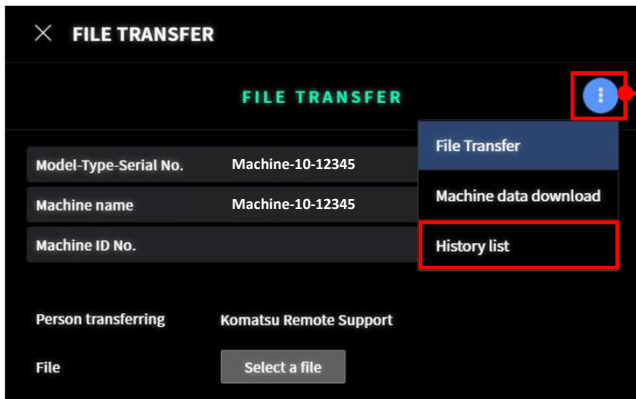


Note)

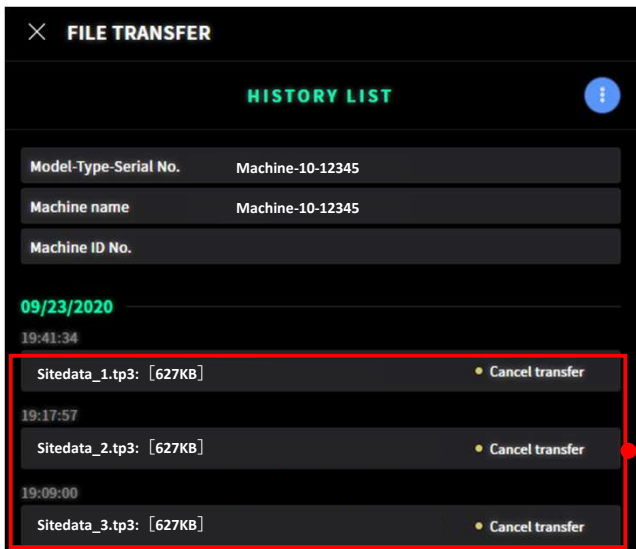
• This feature is only available when the machine is online

6. History list

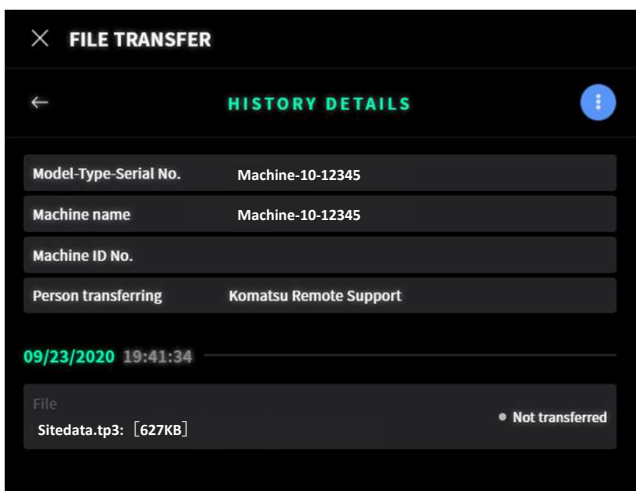
■ This feature allows users to see the history of file transfers to the machines registered in the organization



■ 1 From the File transfer screen, click this icon and select "History list".



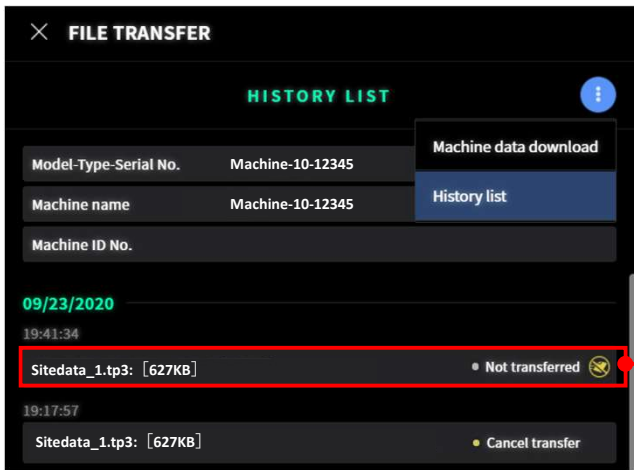
■ 2 Users can see the history of file transfers to this machine



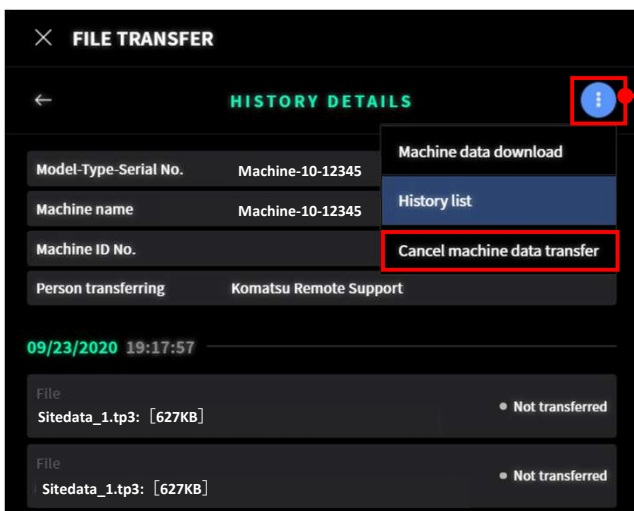
■ 3 Select a file to see more details

7. Cancel file transfer

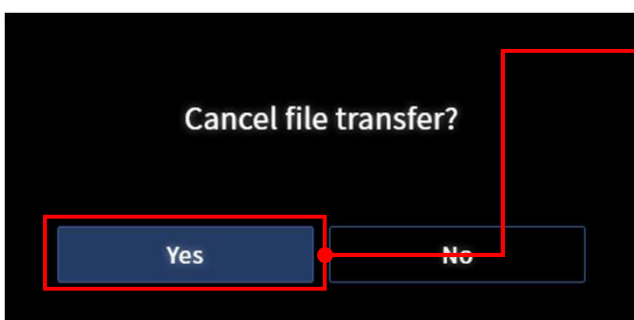
■ This feature allows users to cancel file transfers to the machines registered in the organization



■ 1 From the history list, click the file that has not been transferred yet.



■ 2 Click this icon and select “Cancel machine data transfer”



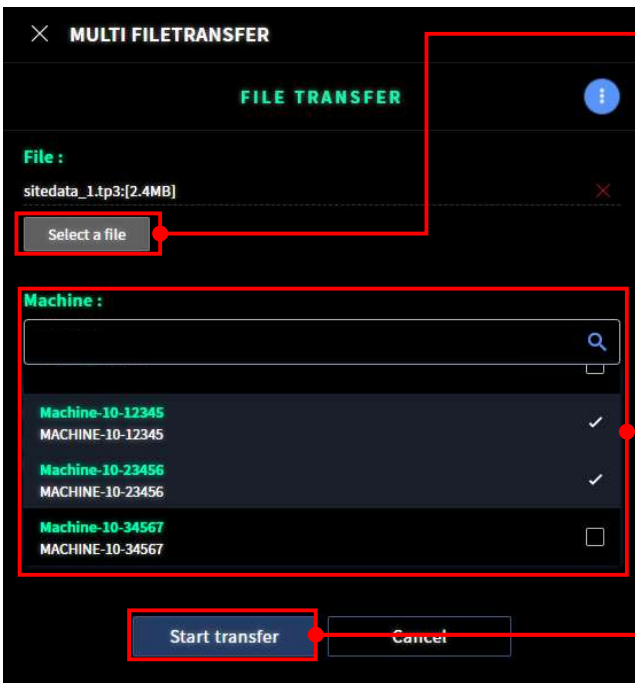
■ 3 Click “Yes”

8. Multi file transfer

■ This feature allows users to transfer files to multiple machines at once registered in the organization



■ 1 Click the icon



■ 2 User can select multiple files by repeatedly selecting the files one by one

■ 3 User can select multiple machines to transfer files at once

■ 4 Click "Start transfer" when the machine selection is complete

8. Multi file transfer

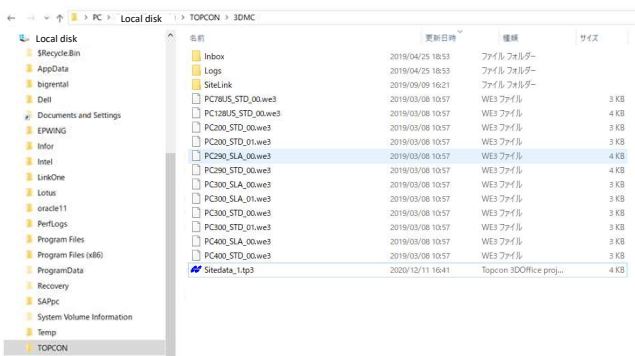
■ Display on the machine monitor during file transfer



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■ In this case, you can transfer the file by pressing the "YES" button and approving it

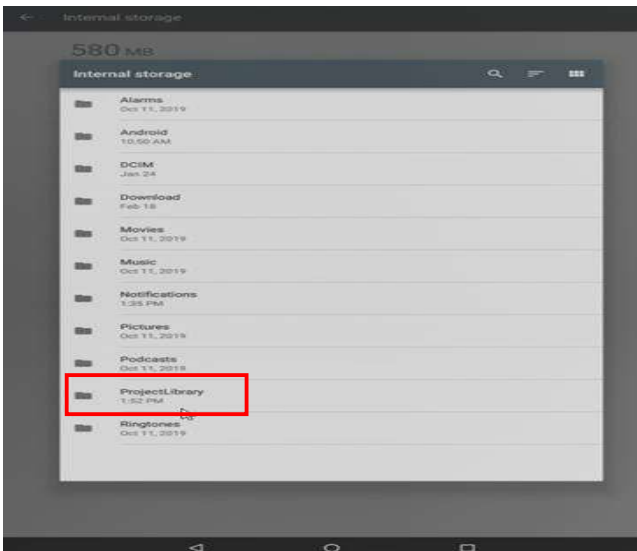
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Trimble:TD520 remote file storage folder



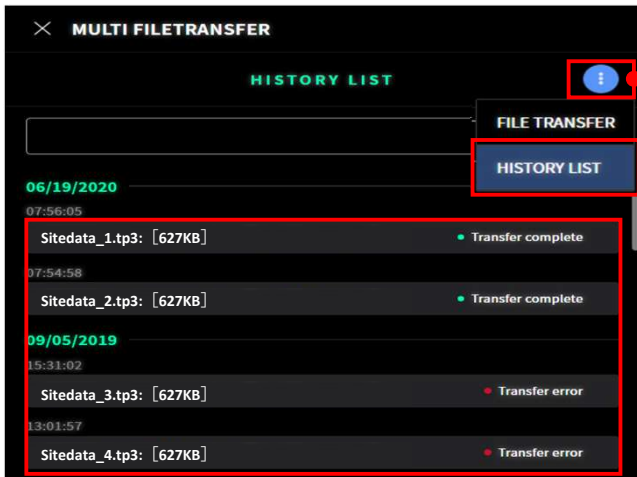
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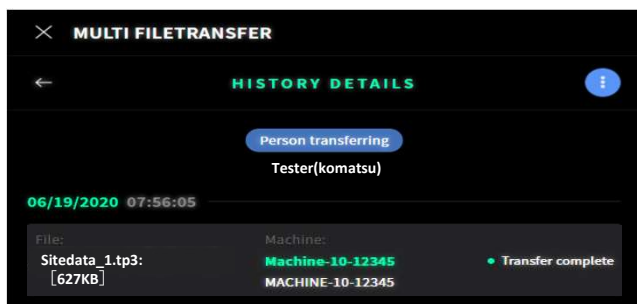
9. Multi file transfer history list

■ This feature allows users to see the history of file transfers to the machines registered in the organization



■ 1 Click this icon and select “HISTORY LIST”

Not only can users see the history of file transfers to all machines, but they can also search the history individually by machine name



■ 2 User can check the details by clicking the files individually

10. Rent/Lease machine

■ This feature allows users to rent / lease machines registered in their organization to customers or users in other organizations



■ 1 Click this icon on the machine the user wants to rent/lease

■ 2 Enter the customer ID (email) that user wants to rent / lease

■ 3 Select the rental start/expected end date from the calendar

Note)

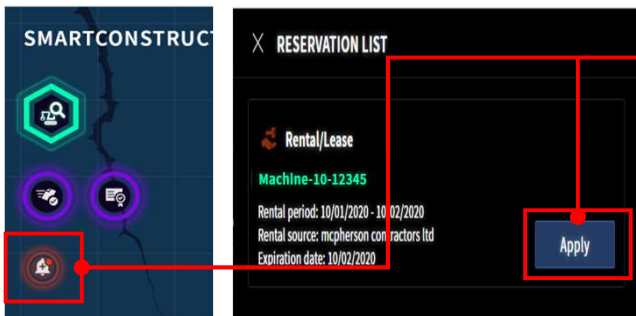
• Expected end date is just for indicative purpose and does not trigger an actual termination of the rental/lease period

■ 4 Set the expiration date of the lending reservation

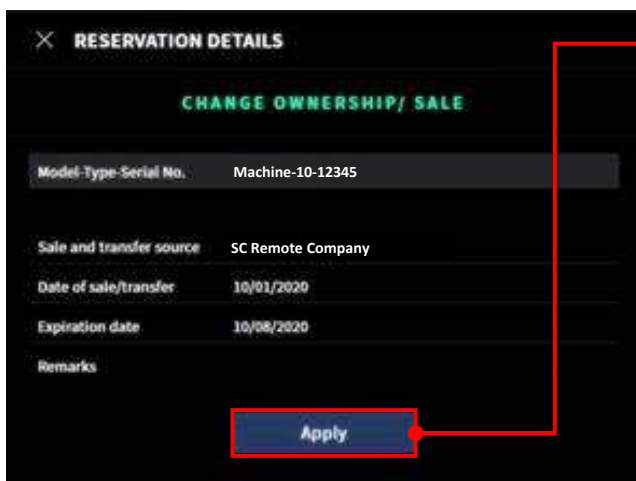
If the user of the lending destination does not register for acceptance within this deadline, this lending reservation will be cancelled

10. Rent/Lease machine

■ Operations that the customer who received the "rental notification" must perform



■ When the machine administrator applied the rental / lease, a notification will be displayed on the screen of the rented customer, so click "Apply".



■ Click the "Apply" button to add the target machine



■ This means that the reservation list is empty and there is no data to display. Therefore, this is not an error message.

11. Set up rental settings

■ This feature allows users to set up various rental settings for machines that are rented to users in other organizations

Note)

• Even if a machine is rented/leased, the owner will have the possibility to manage the machine and use the Remote Support and File transfer functionalities.



■ 1 After selecting a machine that is rented, click this icon



■ 2 Click this icon and select the item you want to work on

11. Set up rental settings

■ Various rental settings (Rental details/Change rental/Cancel rental/Rental completed)

RENTAL/ LEASE PROCESS

RENTAL DETAILS

Model-Type-Serial No.	Machine-10-12345
Machine name	Machine-10-12345
Machine ID No.	
Rental destination	SC Remote Company
Start date of rental	10/01/2020
Expected end date of rental	10/02/2020
Remarks	

■ Rental details:
User can check the rental details of the machine

RENTAL/ LEASE PROCESS

CHANGE RENTAL

Model-Type-Serial No.	Machine-10-12345	
Machine name	Machine-10-12345	
Machine ID No.		
Rental destination	SC Remote Company	
Rental duration*	Start date of rental	10/01/2020
	Expected end date of rental	10/02/2020
Remarks		

■ Change rental :
User can change the rental duration

Note)

• Expected end date is just for indicative purpose and does not trigger an actual termination of the rental/lease period.

Cancel rental?

Yes No

■ Cancel rental:
User can cancel the rental

RENTAL/ LEASE PROCESS

RENTAL COMPLETED.


Model-Type-Serial No.	Machine-10-12345
Machine name	Machine-10-12345
Machine ID No.	
Rental destination	SC Remote Company
Start date of rental	10/01/2020
Expected end date of rental	10/02/2020
End date of rental*	

■ Rental completed :
Use this function to terminate the rental/lease period.
The date selected here will be the actual termination of the rental period.

Note)

• Rented/Leased machines can also be sub-rented/leased to another organization
(eg. rental company A > Rental company B > Contractor)

Date of revision	Version	Revision
Feb/21/2020	00	Released
Nov/01/2020	01	
Dec/21/2020	02	Image and wording corrections



2020.12.21
ver.-02

