WideTEK® 48/60ART

Setup Instructions
English

09/2025

Table of Contents

Revision overview

Date	Rev.	Name	Description of the change	Reason for the change
24.09.2025	1.0	JKN	First draft	First published version

Notes on the instructions and the manufacturer

These instructions will help you to safely prepare and carry out the setup for the WideTEK® 48/60ART-800 art scanners. The WideTEK® 48/60ART-800 art scanners are referred to in the following as "scanners" for short.

The start button is called the "power button" in these instructions.

Keep instructions available

This manual is part of the scanner.

- Always keep this manual with the scanner.
- Make sure the manual is available to the user.
- Include this manual when selling or otherwise transferring the scanner.

Design features in the text

Various elements of this guide have specified design features. This allows you to easily distinguish the following elements:

normal text

BUTTONS OF THE SCREEN

"menu labels"

➢ Action steps

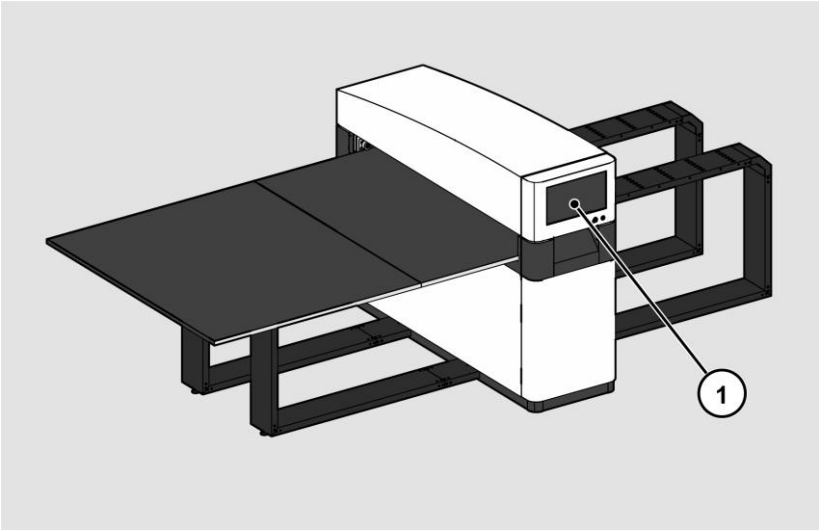
- first level enumeration

Cross-references

Tips contain additional information, such as special details on preparing and executing the setup.

Design features in illustrations

When elements are referred to in a legend or in the running text, they are given a number (1).



Associated documents

The accompanying documents include:

- Unpacking and packing instructions
- Legal information (EC declaration of conformity, safety and EMC certificates, RoHS etc.).

Copyright

Trademark

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Device safety

Intended use

The scanner is used to scan art and other documents. Art objects and documents must comply with the properties specified in the technical data. The scanner is intended for use in closed rooms in the commercial sector.

Intended use also includes reading and understanding these instructions and observing and following all information in these instructions, in particular the safety instructions. Any other use is expressly considered improper and will invalidate the warranty and liability claims.

Environmental conditions

Ensure that the scanner is only used under the following ambient conditions:

- Ambient temperature during operation: +5 °C to +40 °C
- Storage temperature: 0 °C to +60 °C
- Relative humidity: 20 to 80 %, non-condensing
- Ambient light between 100 and 1,000 lux

➢ Ensure that the scanner is not exposed to direct sunlight.

Basic safety instructions

Avoid injury or death from electric shock

- Never open the scanner case.
- Do not expose the scanner to dripping or splashing water, and do not place liquid-filled containers on the scanner. Liquid penetration can damage the scanner.
- Do not insert objects into the scanner through any slots or openings.
- Connect the scanner only to a properly installed and grounded AC outlet using the supplied AC adapter.
- Do not use the AC adapter if the AC adapter case or cord is damaged. In this case, replace the AC adapter with an AC adapter of the same type.
- Do not use the scanner if it is visibly damaged. In this case, unplug the power cord from the power outlet. Contact Image Access technical support, see section *Technical* Support from page 9.

Avoid burns

- Do not cover the existing openings in the scanner housing. They are used for ventilation. Otherwise, the scanner could overheat.
- Do not place the scanner in front of air conditioners that emit intense heat.

Avoid broken bones, bruises and contusions

Incorrect cable routing can lead to tripping.

- Lay the connection cables so that nobody can trip over them.

The scanner weighs 200 kg (440 lbs.).

- Only handle the scanner with the help of a second person and a pallet truck. To do this, follow the unpacking and packing instructions
- Only place the scanner on a firm, level and vibration-free surface that has sufficient load-bearing capacity for the weight of the scanner.

Avoid material damage or malfunctions

- To comply with the ambient conditions, ensure good room ventilation.
- Do not place the scanner near devices that emit strong electromagnetic radiation.
- Do not lean against the scanner.
- Ensure that the thickness of the original to be scanned does not exceed the gap of 100 to 240 mm.
- Do not use cleaning agents that contain abrasive additives, solvents or acids. Use a moistened microfiber cloth.
- Only operate the touchscreen with your finger. Other objects can damage the touchscreen.

Responsibility of the operator

The scanner operator must ensure that only qualified personnel perform the scanner setup.

Personnel qualification

Personnel performing setup of the scanner must be knowledgeable in setting up, connecting, and operating computer accessories.

Design features of warnings

This manual contains the following warnings:

WARNING	
	Notes with the word WARNING warn of a dangerous situation that can possibly lead to death or serious injury.

CAUTION	
	Notes with the word CAUTION warn of a situation that may result in minor or moderate injury.

The following symbols are used in the warnings:

Symbol	Explanation
	Danger due to electric shock
	General danger symbol

Design features of notices of damage to property

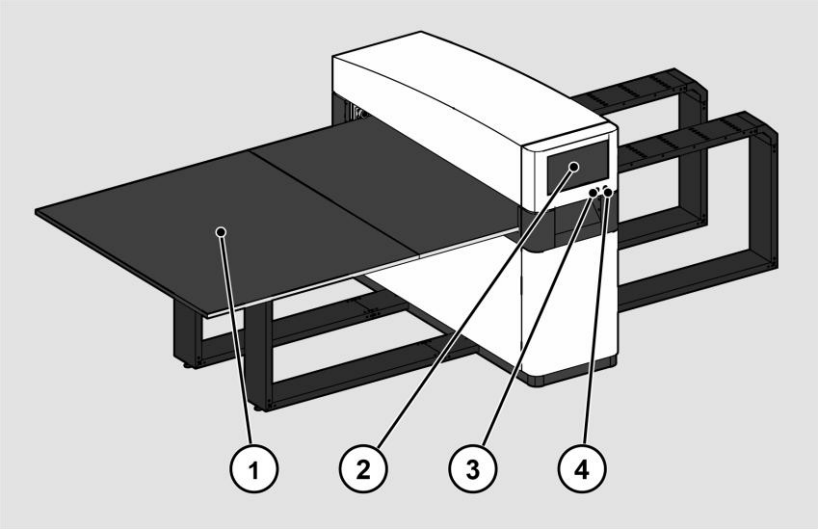
CAUTION!	
	Notes with the word CAUTION warn of a situation that will result in property damage.

Description

Task and function

The scanner is used to scan art and other objects as well as documents of all kinds. The originals must comply with the properties specified in the technical data. The scanner is intended for use in closed rooms in the commercial sector.

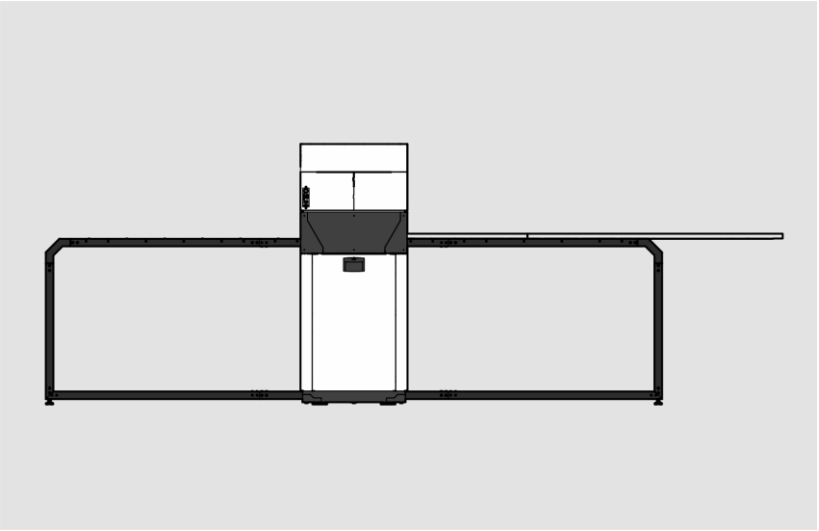
Overview WideTEK® 48/60ART

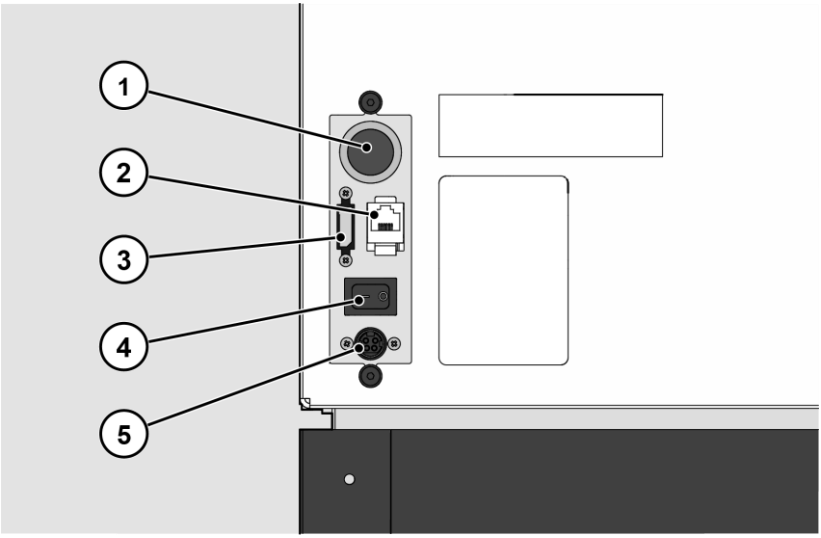


No.	Designation
1	Scan table
2	Touchscreen
3	USB connector socket
4	Power button

Overview back side

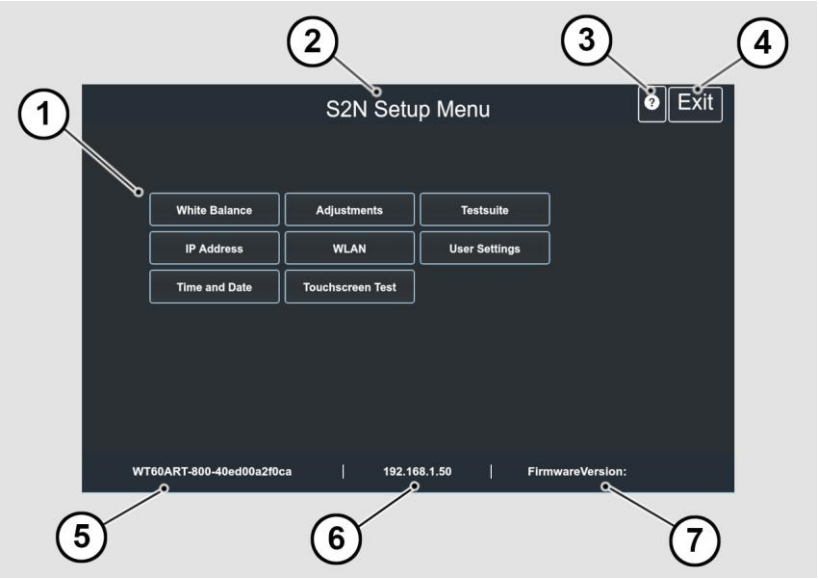
The following illustration shows the rear of the WideTEK® 48/60ART model.





No.	Designation
1	Reset button
2	Network connection socket
3	DisplayPort connector socket
4	Main power switch
5	Connection socket 24 V DC for external power adapter

Overview screen page for the setup menu



No.	Designation
1	Buttons and parameters
2	Display of the menu name
3	Display of the online help
4	Button for exiting the setup menu to the start screen
5	Display of the serial number
6	Display of the IP address
7	Display of the firmware version

Rating plate

The rating plate is located on the back of the scanner.

The following illustration shows the type plate of the WideTEK® 60ART model (example).

Installation site

Environmental conditions

When operating the scanner, make sure that the room is well ventilated to ensure the proper operating conditions.

The installation site must be chosen so that

- The side distance between scanner and wall is at least 100 mm,
- The distance between the back of the scanner and the wall is at least 50 mm,
- The distance to a door or room entrance is at least one meter.

Place the scanner on a level and stable base. The load-bearing capacity of the base must be suitable for the weight of the scanner (maximum 200 kg, (440 lbs.)). The dimensions of the base must be suitable for the footprint of the scanner.

After changing from a cold to a warm environment, allow at least one hour for the scanner to adjust to the ambient temperature before turning it on.

When the scanner changes from a cold to a warm environment, condensation moisture may form inside the housing.

This disappears when the housing temperature has adjusted to the ambient temperature. Condensation moisture can lead to poor scanning results or even damage the scanner.

Prepare setup

Connecting the power supply

⚠ WARNING	
	Risk of electric shock due to incorrect connection. ➢ Ensure that the mains socket is earthed in accordance with local regulations.

⚠ CAUTION	
	Incorrect routing of the connection cables can cause tripping, broken bones, bruises and crushing. ➢ Lay the connection cables so that no one can trip over them.

To connect the power supply, proceed as follows:

- ➢ Make sure that the main switch of the scanner is switched off (0 position).
- ➢ Only use the power adapter and power supply cable supplied.
- ➢ Make sure that the power supply cable is undamaged.
- ➢ Connect the low-voltage plug to the corresponding DC connection on the back of the scanner.
- ➢ Connect the mains plug of the power supply unit to a mains socket with a suitable voltage. (100-240 V AC)

Establish network connection

CAUTION	
	Incorrect routing of the connection cables can cause tripping, broken bones, bruises and crushing. ➢ Lay the connection cables so that no one can trip over them.

To establish the network connection, follow the steps below:

- ➢ Connect one plug of the supplied network cable to the network connection jack on the back of the scanner.
- ➢ Connect the second plug to the network connection socket of an existing network.

Connecting the optional monitor

CAUTION	
	Incorrect routing of the connection cables can cause tripping, broken bones, bruises and crushing. ➢ Lay the connection cables so that no one can trip over them.

To connect an optional monitor, follow the steps below:

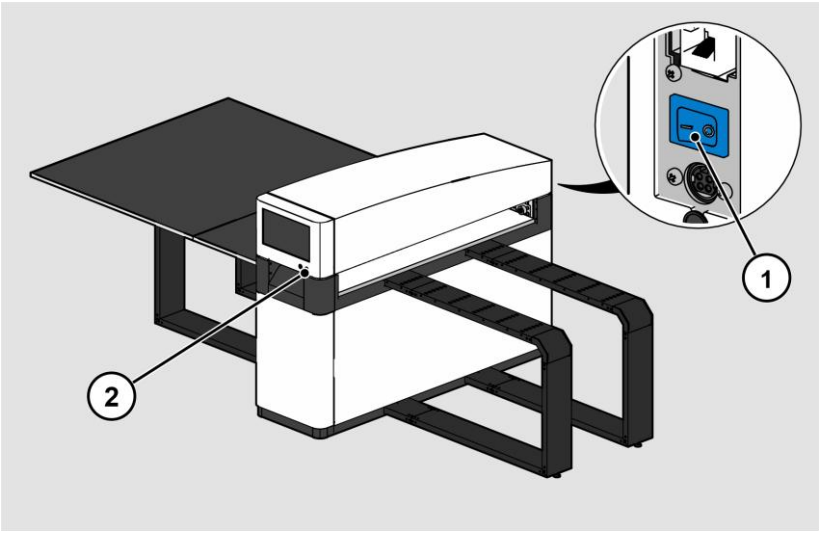
- ➢ Connect the DisplayPort connector of the monitor to the DisplayPort connector on the back of the scanner.

Switch on scanner

To switch on the scanner, proceed as follows:

➢ Press the MAIN SWITCH (1) to the "I" position.

The following illustration shows the WideTEK® 48/60ART model.



To start the scanner from standby mode, proceed as follows:

➢ Touch the power button (2).

The power button lights up blue.

The scanner performs a system test.

After a short wait, the "ScanWizard start screen" is displayed in English.

Switch off scanner

To switch the scanner to standby mode after performing the setup, proceed as follows:

- Touch the blue illuminated power button (2) and confirm the dialog displayed on the touchscreen.

The scanner shuts down. This process can take up to approx. 40 seconds.

The power button (2) is unlit. The scanner is in standby mode.

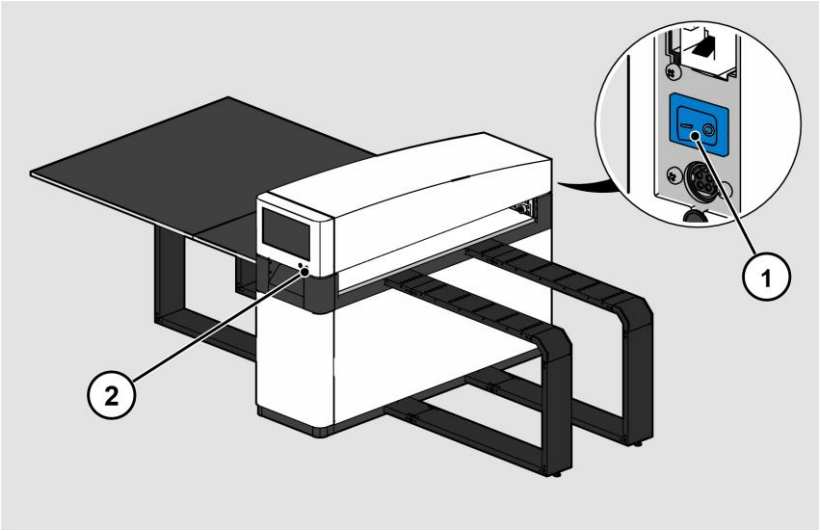
To switch off the scanner for a longer period of time, proceed as follows:

- Make sure that the scanner is in stand-by mode.

The power button (2) is unlit.

- Press the MAIN SWITCH (1) to the "0" position.

The following illustration shows the WideTEK® 48/60ART model.



To hard power off the scanner, do the following:

➢ Press and hold the power button (2) for more than 4 seconds.

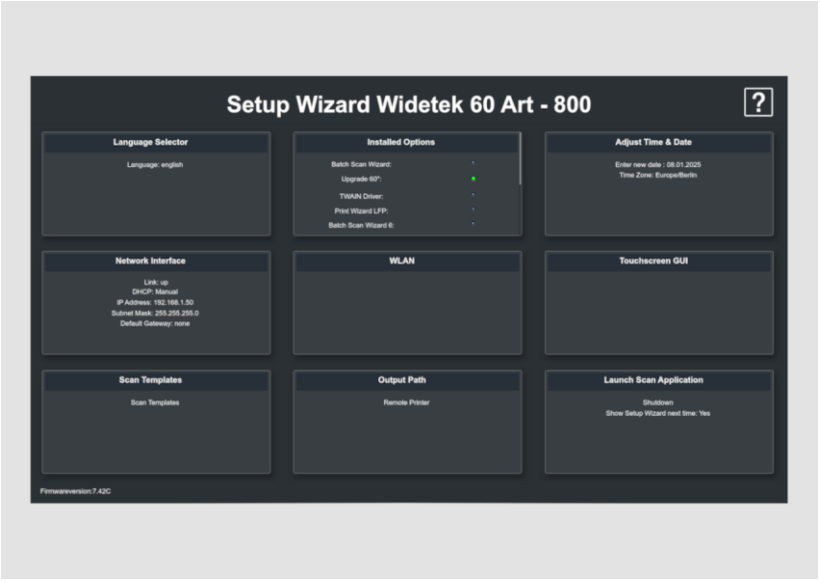
The power to the running scanner will be cut off immediately.

➢ Press the MAIN switch (1) to the "0" position.

Perform setup

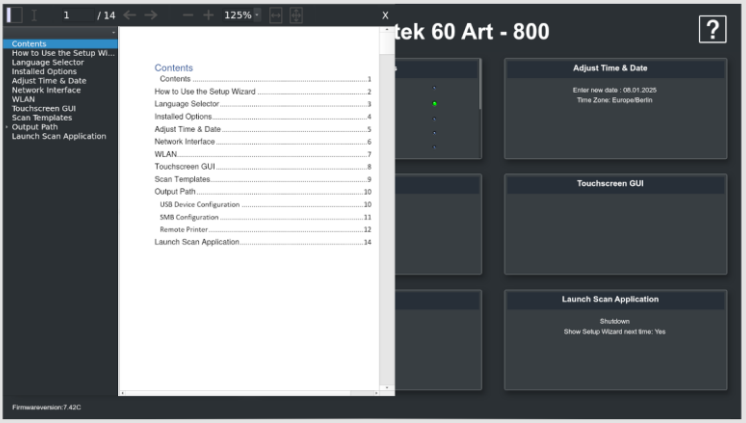
Setup Wizard

The Setup Wizard is displayed on the touchscreen immediately after the startup process is complete.



The Setup Wizard allows the user to perform the most important settings on the touch screen during the initial installation of a Scan2Net scanner. After the Setup Wizard has been successfully completed, the scanner can be used immediately without any further settings.

All user interfaces of the Setup Wizard are described in the online help.



To exit the Setup Wizard, you must deactivate it in the LAUNCH SCAN APPLICATION tile.

Starting the Setup Wizard after booting the scanner can be reactivated in the DEVICE SETUP section of Scan2net.

- Open a tab in a web browser and enter the IP address assigned to the scanner in the address bar.
- The Scan2Net window will appear.
- Click the SETUP DEVICE button, and then click the POWERUSER button.
- Enter "Poweruser" as the login name and password.
- Select the SETUP WIZARD button from the Administrative Settings menu.
- Finally, select YES in the Setup Wizard menu.

Change menu language

To change the menu language, proceed as follows:

➢ Tap the LANGUAGE button (1) to see all available languages.

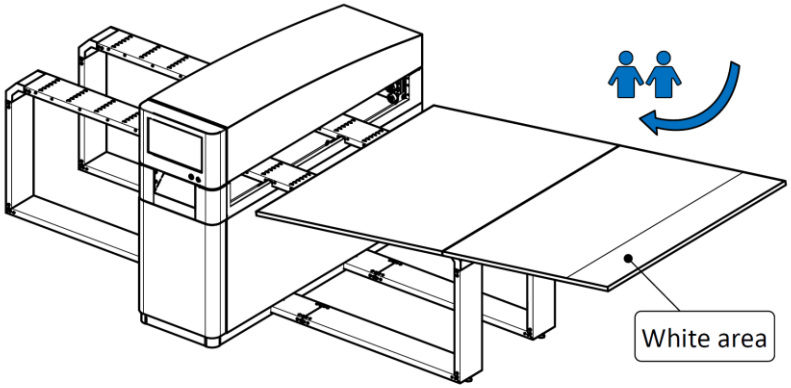
A window for selecting the language is displayed.

➢ Tap on the desired menu language.

The window for selecting the menu language closes.

The ScanWizard Touch user interface is restarted with the selected menu language.

Inserting and aligning the scanning table



The scan table of the WideTEK 48/60ART, on which the objects to be scanned are placed, can be inserted into the scanner and moved by hand.

The scanning table rests on the roller conveyors.

The start position is on the left-hand side.

The left side of the scanning table is inserted first on the right side of the scanner. It is characterized by its black surface and two additional white lines between the white corner markings.

The right-hand side is characterized by the integrated white test template for the white balance.

- Place the scanning table on the table holders.
- Slide the scanning table through the four pressure rollers until it is flush with the right-hand side of the scanner.
- You can check that the table is not slanted by moving the left end forwards and backwards until the right side is square with the stand.
- To check that it is level, stand in front of the scanner on the right side and look at how the top edge of the scanning table runs along the right side of the scanner.

The only physical connection between the table and the scanner are the transport axes and the four pressure rollers. They move the table with limited friction, which is a safety feature. The four pressure rollers can be adjusted by unscrewing the center screw with the SW4 Allen key. The pressure rollers should exert an appropriate amount of pressure to ensure friction and must not be free to move in any position. There is also no position switch to tell the scanner where the start position is. The start position is the position the scan table is in when a scan command is called. If the scan table reaches its end or the scan is interrupted, press the START POSITION button to move it back to the start position.

Place an object to be scanned on the scanning table

➢ Place the object to be scanned on the table so that it is below the red laser lines.

The red laser lines are seen by the camera and determine the focus point.

Depending on the size of the material to be scanned, the laser lines should lie completely on the object.

If the object is smaller, one laser line should be completely on the object and another laser line must be completely away from the object. The laser lines should not lie partially on one edge of the object, but either completely on the object or not at all.

The laser lines not required for the scanning process can be deactivated via the WideTEK 48/60Art control panel.

The scanning process starts at the white corner markers, so the object must be placed within these lines, but it can also be placed further below the lines as required.

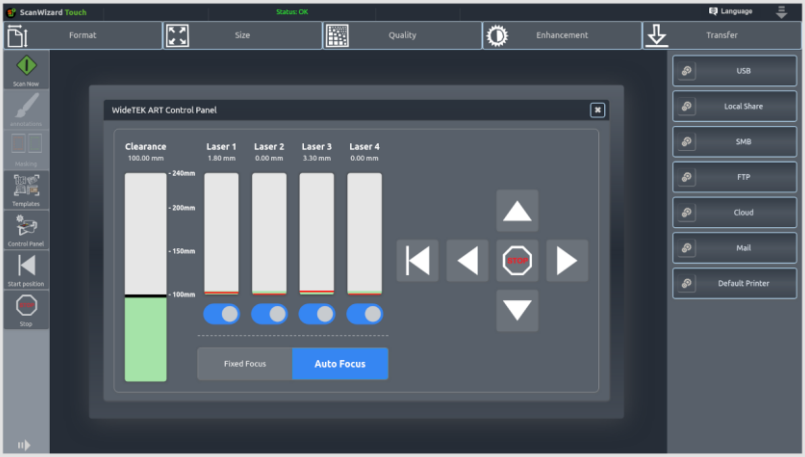
Make sure that the weight of the item to be scanned does not exceed 10 kg / 22 lbs.

The preset standard scan length is 50.8 cm / 20 inches from the corner lines. This can be adjusted in the software and allows increased increments of 25.4 cm / 10 inches up to a maximum scan length of 152.4 cm / 60 inches; with an optional extension of the scan table 223 cm / 87.8 inches.

Adjusting the camera position

➢ In the ScanWizard, tap the CONTROL PANEL button (1).

➢ The WideTEK 48/60Art Control Panel window is displayed.

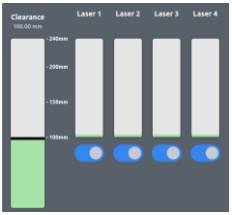


Adjusting the camera position

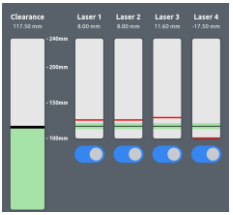
Button	Naming	Default User	Poweruser
	END POSITION TOP	-	+
	HIGH	+	+
	STOP	+	+
	DOWN	+	+
	END POSITION DOWN	-	+
	BASE POSITION	-	+

1. Move the camera to the home position*.
2. Move the camera using the ▲ button until the correct laser focus position is found.
3. Move the camera up until the correct camera position is found.

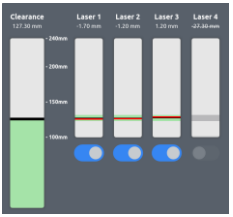
* (Note: Please follow the instructions for power user login in the chapter Activate Setup Menu).



1. camera height in home position



2. laser focus in correct position



3. camera height in correct position

Auto focus - Fixed focus buttons

Button	Name
Auto Focus	AUTO FOCUS
Fixed Focus	FIXED FOCUS

If all focus settings are set to AUTO FOCUS, the resulting image is merged based on the height measurement of both lasers. This is the default setting.

If one of the focus settings on the control panel is set to AUTO FOCUS and the other to FIXED FOCUS, the image is merged based on the height measurement of the AUTO FOCUS laser. The height of the measured object under the other seam line is assumed to be the same height as the height under the AUTO FOCUS laser. This can be useful for scanning small objects that are not large enough to be measured with both lasers.

If all focus settings on the control panel are set to FIXED FOCUS, only a small area around the seam line is adjusted to eliminate seam artifacts. This can be useful for scanning targets that cause seam artifacts when using the default setting.

Table position control

Button	Name
	LAST SCAN START POSITION
	LEFT
	STOP
	RIGHT

- Finally, move or shift the scan table back to its start position.
- Go to the ScanWizard application to select scan parameters and start a scan.

Scanning and observing the object as it moves through the scanner

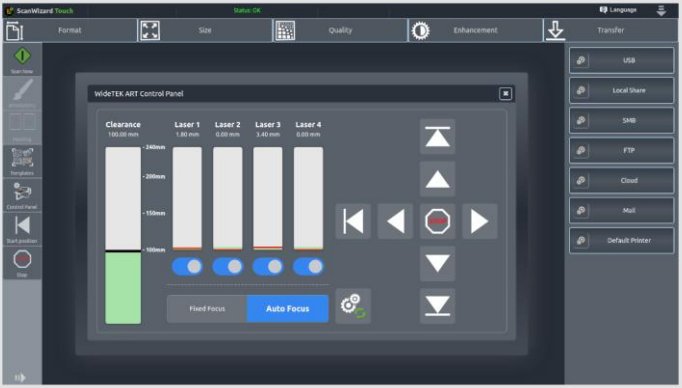
Once the scan has been started, the operator can observe how the object moves under the illumination line. As the object moves through the scanner, the image is scanned line by line.

Once the object has passed the illumination line, the scan is complete and can be stopped by pressing the stop button.

To avoid unnecessary adjustments to the scanning table, it is advisable to observe the object to be scanned as it passes through the scanner until the illumination line goes out and the scanning process is automatically ended.

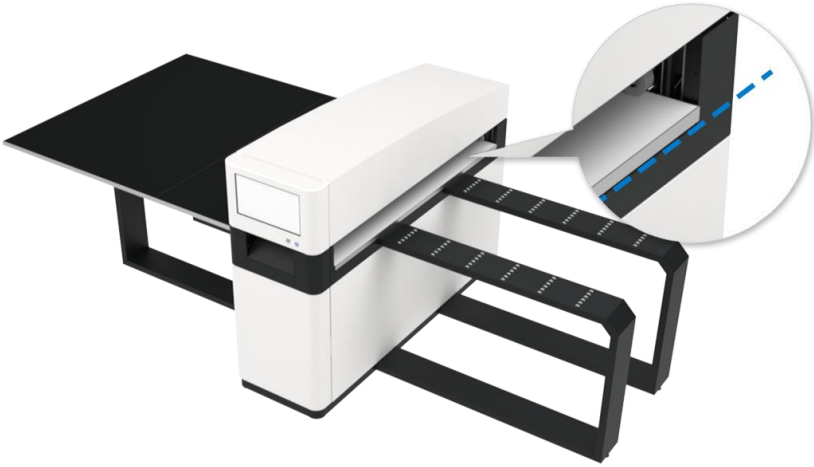
Prepare Adjustments

- In the ScanWizard, tap the CONTROL PANEL button (1).
- The WideTEK 48/60Art Control Panel window is displayed.


Format
Size
Quality
Enhancement
Transfer
USB
Local Share
SMB
FTP
Cloud
Mail
Default Printer
WideTEK ART Control Panel
Clearance
Laser 1
Laser 2
Laser 3
Laser 4
Fixed Focus
Auto Focus

➢ Move the camera to its home position using the BASE POSITION button (1).

- Move the scanning table to the start position using the ◄ and ► buttons so that the top edge of the scanning table is flush with the right-hand side of the scanner.
  - ✓ The following image shows the white balance template in its final starting position.



The same applies to the procedure for setting the stitching deviations via the stitching template WT36C-Z-02-A. The stitching deviations can only be set via a web browser connection from a PC in the Power User Level.

Activate setup menu

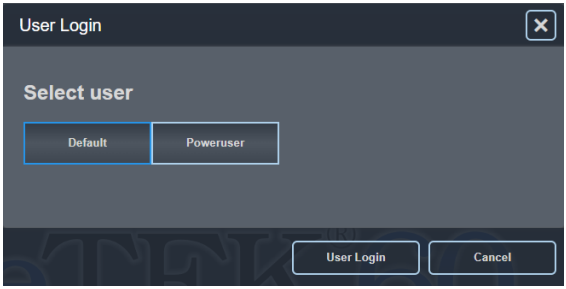
To activate the setup menu, you must log in. To do this, proceed as follows:

➢ Open the ScanWizard Touch Top menu by tapping the menu button (1).

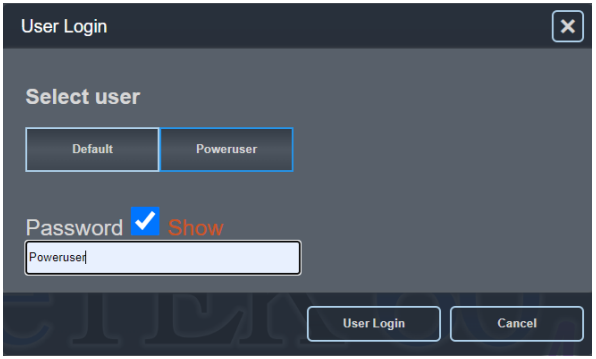
➢ Tap on the USER DEFAULT button (1).


1
System Shutdown
ScanWizard Touch
Status: OK
Language
Scan Now
Templates
Control Panel
Start position
Stop
USB
Local Share
SMB
FTP
Cloud
Mail
Default Printer
WideTEK 60 Art

The User login window is displayed.



➢ Select the user Poweruser.



- Tap the "Password" input field with your finger.
- Activate the "Show" field to see the password as you enter it.

The on-screen keyboard is displayed.

- Enter the password "Poweruser" in the "Password" input field.
- Note that the password is case-sensitive.
- To complete the entry, tap OK.

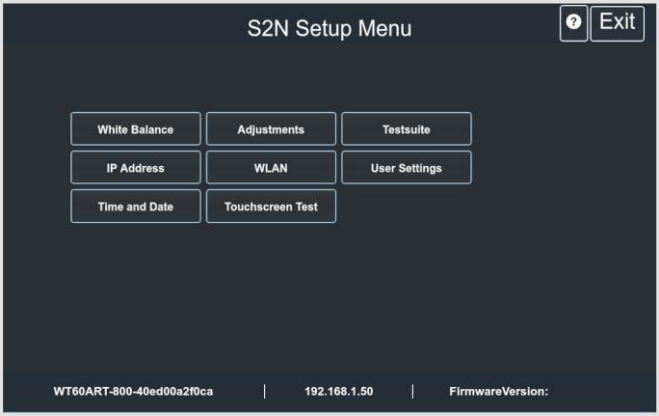
The User login window is displayed.

- To complete the registration, tap on the USER REGISTRATION button.

The ScanWizard window is displayed.

- To call up the setup menu, tap the SETUP MENU button (1).

The S2N Setup Menu screen appears.



Naming	Description
White balance:	Display of the "White balance" submenu
Settings:	Display of the "Settings" submenu
Test suite:	Display of the "Test suite" submenu
IP address:	Display of the "IP address" submenu
WLAN	Display of the "WLAN" submenu
User settings:	Display of the "User settings" submenu
Time and date:	Display of the "Time and date" submenu
Touchscreen test	Display of the "Touchscreen test" submenu

- To select a submenu on the S2N Setup Menu screen page, tap the corresponding button on the screen page with your finger.
- All user interfaces of the setup menu are described in the online help.

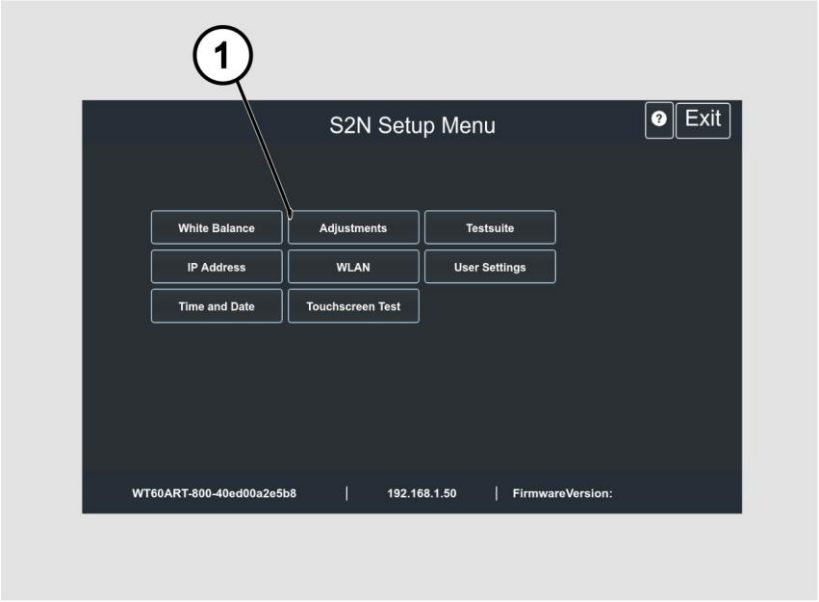
Adjustments

Once the scan has been started, the operator can observe how the object moves under the illumination line. As the object moves through the scanner, the image is scanned line by line.

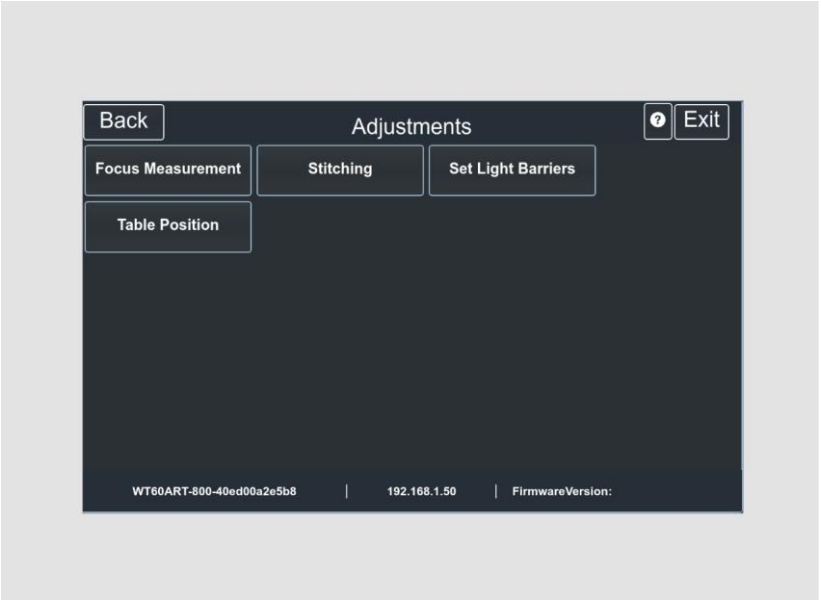
Once the object has passed the illumination line, the scan is complete and can be stopped by pressing the stop button.

To avoid unnecessary adjustments to the scanning table, it is advisable to observe the object to be scanned as it passes through the scanner until the illumination line goes out and the scanning process is automatically ended.

➢ On the "S2N Setup Menu" screen, tap ADJUSTMENTS (1).



The "ADJUSTMENTS" screen is displayed.



Naming	Name Description
Setting	Explanation
Focus measurement:	Calibrate the camera lasers
Stitching:	Set the overlapping areas of the cameras
Setting the light barriers:	Setting the maximum table travel positions left and right
Table position:	Setting the starting position of the table

Set Light Barriers

- Move the scan table to the start position using the ◄ and ► buttons or move it manually so that the top edge of the scan table and its two corners are exactly flush with the right-hand side of the scanner.
- On the "Adjustments Menu" screen, tap SET LIGHT BARRIERS (1).

The "SET LIGHTBARRIERS" screen is displayed.

➢ On the "Set Light Barriers" screen, tap NEXT STEP (1).

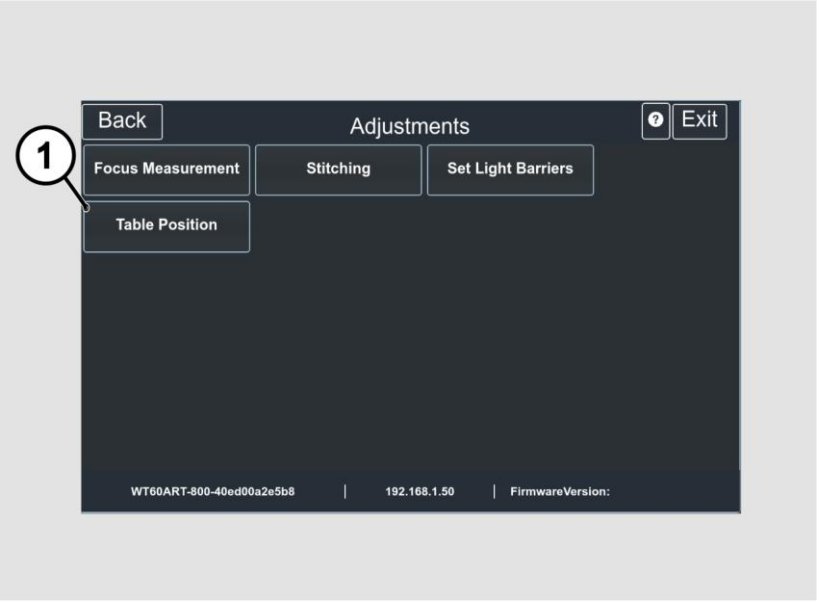
If the light barrier setting is correct, the result is displayed in green. An incorrect result is displayed in red. In this case, check the position and surface of the scan table and the position of the camera head and carry out the light barrier setting again.

End of the light barrier adjustment.

Table position

This procedure adjusts the scan table start position.

- ➢ Move the scan table to the start position using the ◄ and ► buttons or move it manually so that the top edge of the scan table and its two corners are exactly flush with the right-hand side of the scanner.
- ➢ On the "Adjustments Menu" screen, tap TABLE POSITION (1).



The "TABLE POSITION" screen is displayed.

- ➢ On the "Tableposition" screen, tap NEXT STEP (1).

If the table position adjustment is correct, the result is displayed in green.

An incorrect result is displayed in red.
In this case, check and correct the position of the scanner table and perform the table position procedure again.

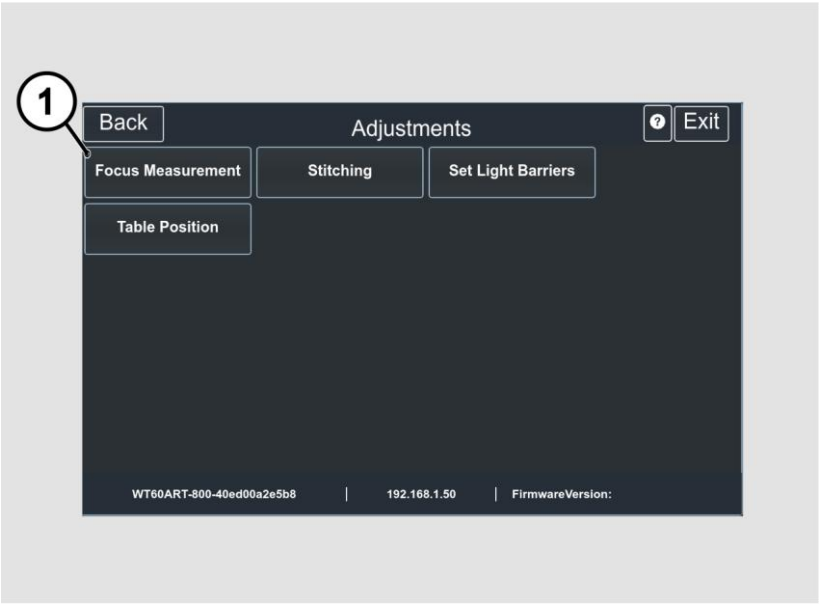
End of table position adjustment procedure.

Focus Measurement

With this procedure, all camera lasers are recalibrated to a height of 0 mm.

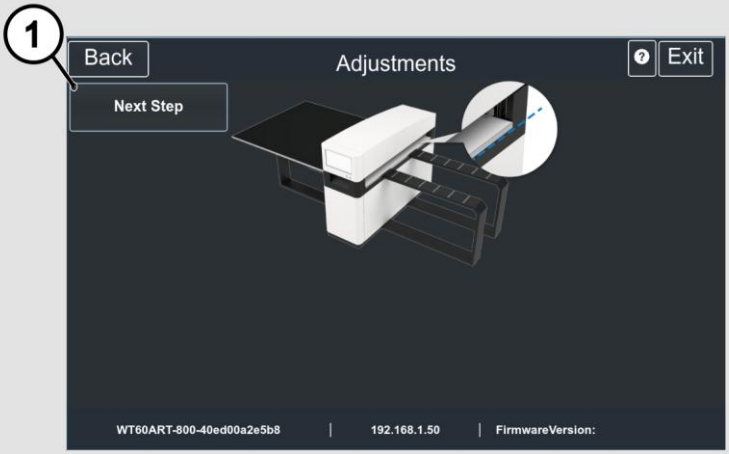
The following figure shows laser 1, which does not automatically adjust to the expected height of 0.00 mm when the camera is positioned at a height of 100 mm.

- ➢ Move the scan table to the start position using the ◄ and ► buttons or move it manually so that the top edge of the scan table and its two corners are exactly flush with the right-hand side of the scanner.
- ➢ On the "Adjustments Menu" screen, tap FOCUS MEASUREMENT (1).



The "FOCUS MEASUREMENT" screen is displayed.

➢ On the "Focus Measurement" screen, tap NEXT STEP (1).



If the focus measurement is correct, the result is displayed in green. An incorrect result is displayed in red. In this case, check the position and surface of the scan table, the position of the camera head and perform the focus measurement again.

End of focus measurement procedure.

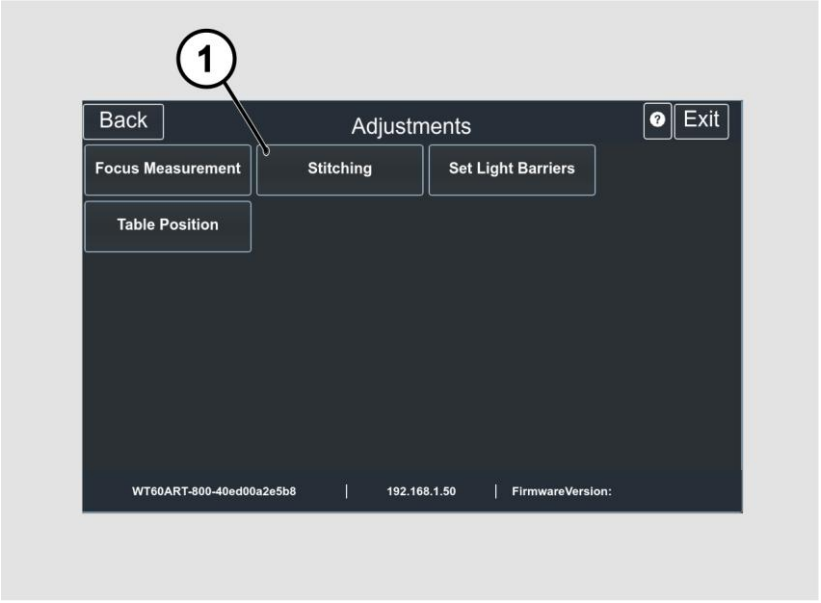
Stitching Adjustment

The procedure for fine adjustment of the stitching should be carried out in the following case, among others, if the scanner has been cleaned and the scan table has been removed during this process.

This function shows the overlapping area between the partial images of the camera box.

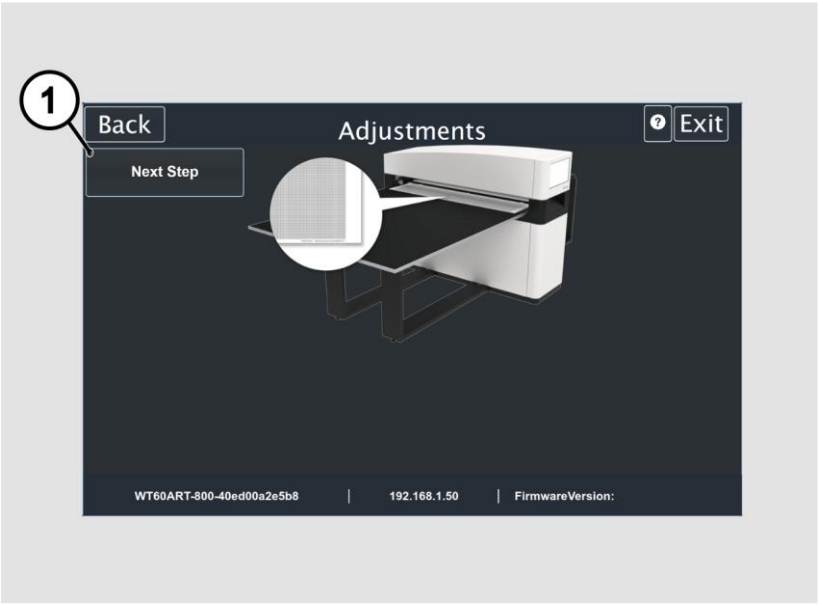
The aim of this setting is to place the overlapping camera areas in the stitch areas so that the overlapping area is as even as possible to avoid double images. The lines should be aligned. The calibration template used for this process is the WT36C-Z-02-B Stitching setting template 960x350m. The -B index may change in the future if the manufacturing design or procedures change. The calibration template is basically a larger graph paper with boxes 10*10mm, markings for 1mm and bold markings for 5mm lines.

➢ On the "Adjustments Menu" screen, tap STITCHING (1).

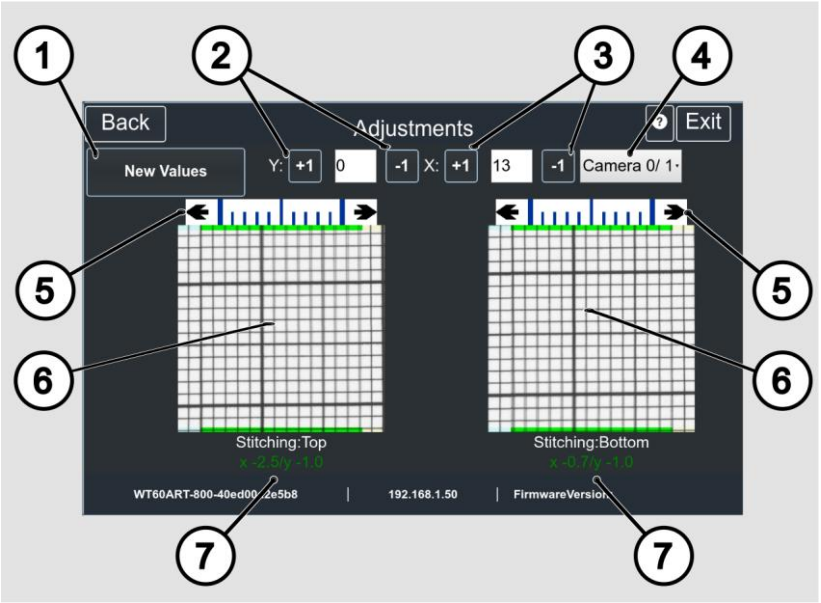


The "STITCHING" screen is displayed.

- Place the WT36C-Z-02-B stitching alignment template exactly horizontally and centered on the area of the scan table shown.
- On the "Stitching" screen, tap NEXT STEP (1).



The "Adjust Stitching Offsets" screen is displayed.



No.	Designation	Description
1	New values	Starts a new measurement
2	Y+1/Y-1	Moves the overlapping area in a vertical direction.
3	X+1/X-1	Moves the overlapping area horizontally.
4	CAMERA 0/1	Switches between different vertical areas of the drawing files
5	Ruler	For orientation
6	Split screens	Camera overlapping areas
7	Stitching: Top/Bottom	Shows the current values

➢ Click NEW VALUES (1) to start the measurement.

A ruler (5) is displayed at the top of the two drawing files Stitching: Top and Stitiching:Bottom (6). To avoid setting the stitching position incorrectly horizontally (e.g. 6 lines instead of five lines between the bold

lines), you can use the blue ruler (5) at the top of the window. This can be moved horizontally.

X+1/X-1 Moves the overlapping area in horizontal direction (3). Y+1/Y-1 Moves the overlapping area in vertical direction (2).

1. Click on X+1/X-1 (3) and Y+1/Y-1 (2), by using the actual values of Stitching: Top and Stitiching:Bottom (7), to move the overlapping area until the two images are as close as possible to each other.
2. Tab on CAMERA 0/1 (4) to see different vertical areas and try find the best compromised between all of them.

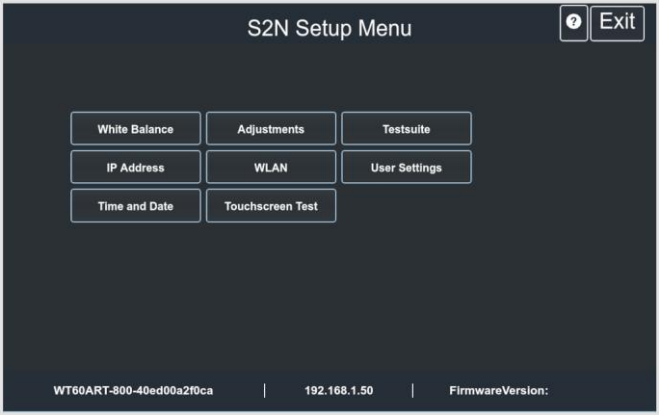
Target of the setting is to place the overlapping areas in the stitching areas in such a way, that the overlapping area is as even as possible, avoiding double images. The lines should be aligned.

The values of these offsets are saved in the scanner and used to merge the individual scans.

End of the stitching adjustment procedure.

Perform white balance

➢ On the S2N Setup Menu screen, tap WHITE (1).



The White Balance screen appears.

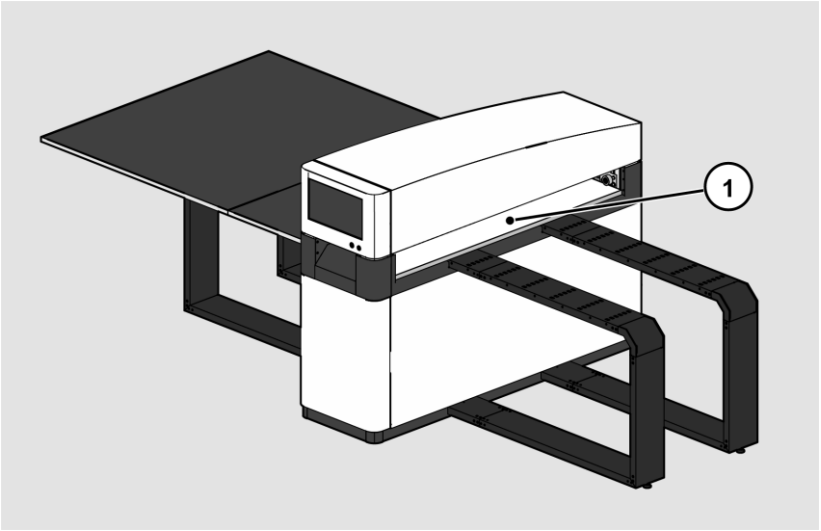
Naming	Description
Calibration:	Start white balance
Delete white balance data:	Delete existing white balance data

The white balance is used to ensure the quality of the scan results and must be carried out using the test template integrated in the scanning table.

ATTENTION!	
	Impairment of the scan quality due to the use of an imperfect test template for the white balance. ➢ Make sure that the white test template area of the scan table is free of dust, dirt, discoloration, cracks or other damage.

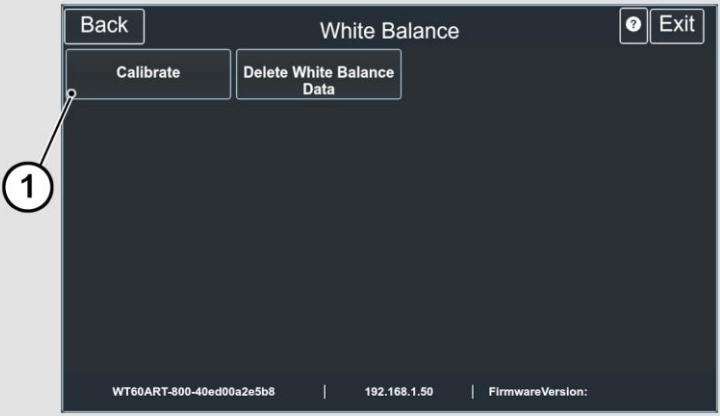
To start the white balance, proceed as follows:

➢ Check the position of the supplied test template (1) on the scan table (2) as shown below.

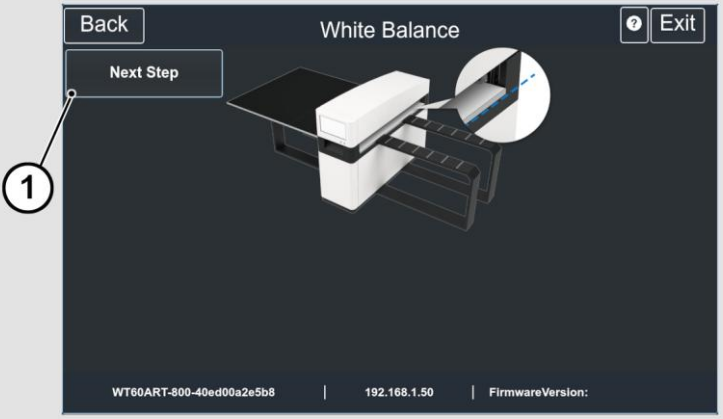


To start white balance, do the following:

➢ Tap CALIBRATION (1).

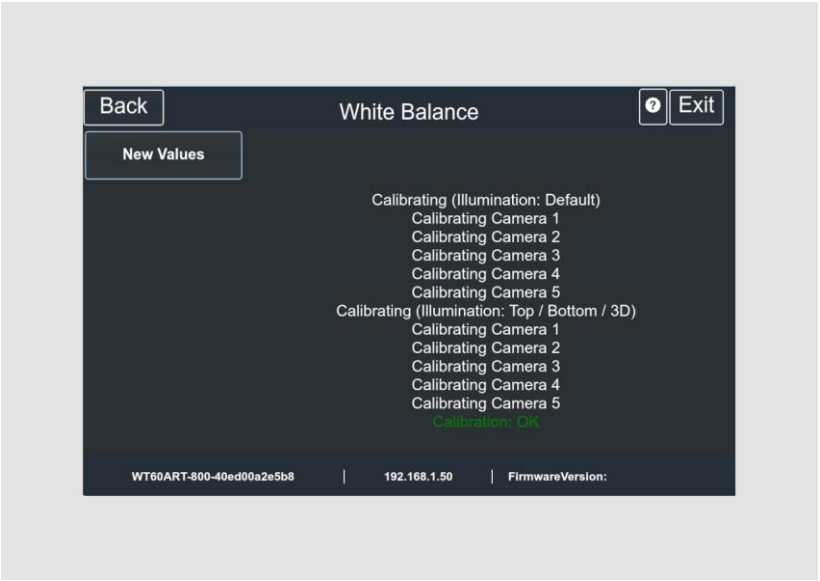


➢ Tap NEXT STEP (1).



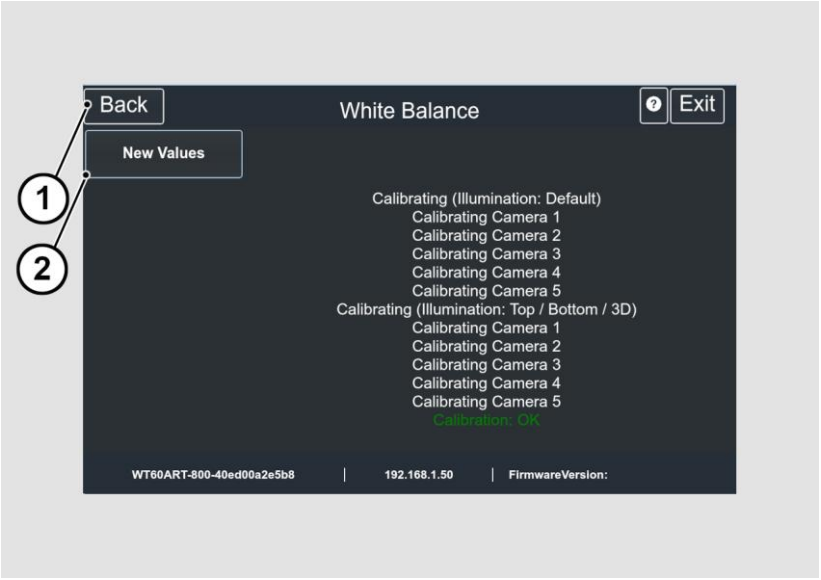
The white balance starts and the calibration is performed. A rotating symbol is displayed during the white balance. The test template is transported back and forth in the document transport. The entire white balance process takes approx. 50 seconds.

The white balance result is then displayed as shown below.

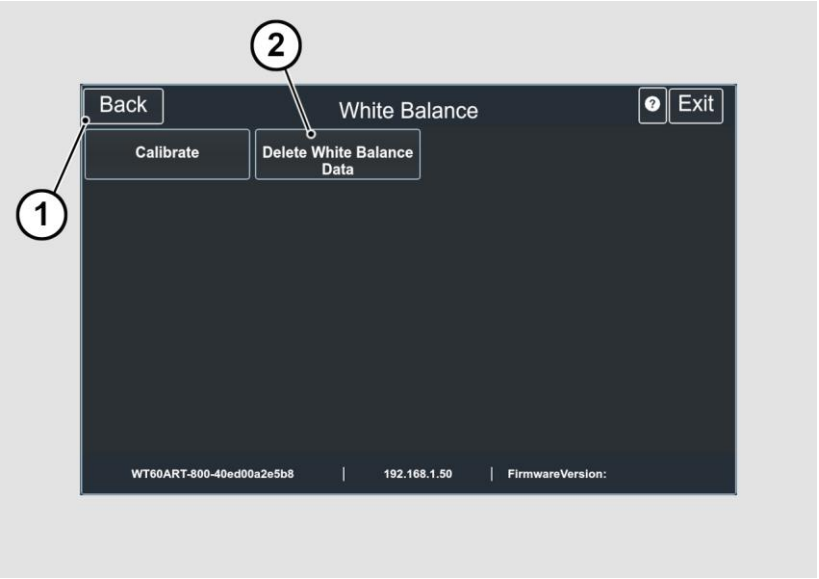


If the white balance is correct, the result is displayed in green. An incorrect result is displayed in red. In this case, perform the white balance again.

- To carry out the white balance again, tap NEW VALUES (2).
- To return to the previous submenu, tap BACK (1).



- To delete the stored white balance data, tap CLEAR WHITE BALANCE DATA (2).
- After deleting the stored data, perform white balance again as described.
- If you encounter any problems while performing white balance, contact Image Access Technical Support immediately, see the *Technical Support* section beginning on page 9.
- To return to the previous submenu, tap BACK (1).



End of the white balance calibration procedure.

System Restore

Solid State Disk Software Error

The file system and Linux operating system of a Scan2Net scanner are very robust and fault tolerant. The file system is capable of repairing itself even if the system loses power during a hard drive write, which would almost certainly damage any Windows, Android, or MAC operating system based computer. However, it is still possible for the Scan2Net Linux software on the SSD to become corrupted under certain circumstances. Unexpected power outages, hard shutdowns via the main power switch without a prior controlled shutdown, and other unexpected interruptions to the operating system can cause this type of disruption. In addition, any uncontrolled interruption of a firmware update procedure or other functions that involve writing to main storage (SSD) poses a potential risk to the integrity of the firmware on the SSD. The Scan2Net operating system of any WideTEK® or BookTEK® scanner is Linux based and although it is very rare, Linux can be corrupted like any other operating system.

If the Linux operating system or other parts of the SSD are damaged, there is still no need to replace the SSD, at least not until the recovery procedure is performed once. These recovery procedures are similar to the procedures necessary to restore other operating systems to a previous state.

Recovery points

Up to two backup copies of the Scan2Net Linux operating system are stored on the internal SSD. The first copy is created during manufacturing. This is the restore point labeled "Factory Default". The second can be created by the user at any time. This is the restore point labeled "User Settings".

System Restore to Factory Defaults

The recovery procedure is a simple process:

Step	Action
1	Turn off the scanner either from the touchscreen, from the Scan2Net application currently in use, or by pressing the POWER button. If the device does not go into standby mode, press and hold the POWER button for more than 5 seconds to hard-switch the scanner into standby mode. If the device does not hard-switch into stand-by mode, press the MAIN POWER SWITCH to the "0" position to turn off the scanner.

Make sure that the following process is not interrupted by a hard shutdown or power failure.
If this process is interrupted, loss of the system restore point is possible, so the SSD must be physically replaced.

The following process cannot be influenced by the user.

Step	Action
2	Make sure the main power is on and the scanner is in standby mode.
3	Press and hold the red RESET button at the front, on the bottom plate of the scanner, before turning it on! Turn on the scanner by pressing the POWER button. Note: During the power-up process, the RESET button must be pressed and held until it lights up continuously!
4	Restoration of the file system will begin immediately. This process takes about 1 - 2 minutes. At the end of the recovery process, the scanner will automatically reboot.

System recovery of user settings

Set system restore point

Step	Action
1	Open a tab in a web browser and enter the IP address of the scanner.
2	The Scan2Net window appears.
3	Click SETUP DEVICE, and then click POWERUSER.
4	Enter "Poweruser" as the user name and password.
5	Select SYSTEM RESTORE from the RESETS AND DEFAULT VALUES menu.
6	Select SET RESTORE POINT.

Please wait until the process is complete and the READY message is displayed. The entire process takes about 1 - 2 minutes.

System Restore

Step	Action
1	Open a tab in a web browser and enter the IP address of the scanner.
2	The Scan2Net window appears.
3	Click SETUP DEVICE, and then click POWERUSER.
4	Enter "Poweruser" as the username and password.
5	Select SYSTEM RESTORE from the RESET & DEFAULT VALUES menu.
6	Select RESTORE SYSTEM.

The unit restarts immediately. The system recovery is then performed. This procedure takes approximately 1 - 2 minutes. To complete the procedure, the device performs a second restart of the restored system.

End of the system recovery procedure.

Cleaning

To keep the scanner in good working condition, make sure it is free of dust, ink, grease, and other contaminants. Scanners are high resolution optical instruments with high quality glass parts. Since a higher quality scanner will reveal smaller particles of dirt and dust better than a lower quality scanner, special care must be taken to keep all parts, and especially all glass parts, as clean as possible.

The cleaning intervals are determined by the scanner environment and the type of documents scanned, as well as the frequency of use. The scanner should be cleaned under the following circumstances.

- When sporadic or frequent image quality problems occur.
- When sporadic or frequent cropping problems occur, even though the document is in the correct area of the scan area.

To avoid electric shock and other potential damage, make sure the scanner is turned off and unplugged before cleaning. Do not allow water to enter the scanner.

Proper general cleaning should include the following:

- Use an electric vacuum cleaner to remove dust from all parts before proceeding to clean other parts of the product. Be careful not to touch any parts with the dust cleaning hose.
- Clean the outer surface of the Product with a damp cloth. Dampen the cloth and wring it out as much as possible. For best results, use a microfiber cloth.
- The glass surfaces of the scanner should only be cleaned using a soft, lint-free cloth.
- Use a mild soap and water solution only when necessary. Do not use abrasive cleaners.
- Wipe the product dry with a soft, lint-free cloth. Be especially careful when cleaning the touch screen.

Maintenance

Make sure that no liquid penetrates the inside of the housing.

Touch screen

The touchscreen can be cleaned with a microfiber cloth.

Before cleaning the touchscreen, switch off the scanner and set the main switch to the 0 position.

Surfaces

Clean the surfaces of the scanner with a soft, slightly damp cloth (we recommend using a microfiber cloth, for example).

Repair

The WideTEK® scanner does not contain any parts or components that can be repaired by the user.
All repairs may only be carried out by trained service technicians

Technical Specifications

Scanner specification

Optical system

Maximum Document Size	Up to 1524 x 2032 mm (60 x 80 inches). Suitable for almost all commercially available screen formats.
Optical Resolution	1200 × 1200 dpi
Camera	5 x CCD cameras, 112,500 pixels, encapsulated and dustproof
Color Depth	16 bit grayscale 48 bit color
Scan Output	24 bit color, 8 bit color indexed, 8 bit grayscale, bitonal, halftone
File Formats	Multipage PDF (PDF/A) and TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG), AutoCAD DWF, JBIG, DjVu, DICOM, PCX, Postscript, EPS, Raw data
Quality	Exceeds FADGI **** guidelines, ISO 19264-1 level A

Lighting system

Light Source	Two lamps with white LEDs, no IR/UV radiation Integrated optical diffuser
Warm-up time of the lamp	None. Maximum brightness immediately after switching on.
Temperature-related change	None
Service life of the LEDs	50,000 hours (typ.)

Electrical Specifications

External Power Supply

Voltage	100-240 V AC
Frequency	47-63 Hz
Ambient temperature	5 to 40 °C
Relative humidity	20 to 80 % (non-condensing)
ECO Standard	CEC Level VI

Scanner

Voltage	24 V DC
Current	Max. 5 A

Power consumption

P(Off)	0.3 W
P(Sleep)	4.7 W
P(Ready)	70 W
P(Active)	120 W

Document specification

Maximum original height	140 mm (5.5 inch)
Document thickness	Up to 240 mm (9.5 inches) e.g. canvas up to max. 140 mm (5.51 inches) in a frame up to 240 mm (9.45 inches) thick
Object weight on the scanning table, evenly distributed:	30 kg (66 lbs.)

Dimensions and weight

Dimensions of the scanner fully assembled (H × W × D)	3260 x 1900 x 1380 mm (128.5 x 75 x 54.5 inches) Requires 4300 mm (170 inches) from wall to wall
Scan table dimensions (H × W × D)	1610 x 2550 x 25 mm (63.4 x 94.5 x 1 inch) Supplied in two parts 1350mm & 1200mm (53.15 x 47.25 inches)
Weight of the scanner	200 kg (440 lbs.)
Dimensions of the transport box (H × W × D)	2000 x 800 x 1600 mm (79 x 31.5 x 63 inches)
Shipping weight	300 kg (660 lbs.)

Ambient conditions

Ambient temperature during operation	5 to 40 °C
Storage temperature	0 to 60 °C
Relative humidity	20 to 80% (non-condensing)
Noise level	< 35 dB(A) (scanning) < 25 dB(A) (stand-by)

Approvals

Approvals	IEC/EN 62368-1:2014 (Ed. 4), UL/CSA 62368-1:2014 Ed.4, EN 55022, EN 55024; FCC 47 Part 15

End of the document

More WideTEK® 48/60ART large format scanners Documentation

To achieve the best possible results with your WideTEK® 48/60ART large format scanner and to fully understand its operation, you should always have the latest version of the manuals, instructions and other product documentation. The printed version may already be out of date. You can use the QR code or hyperlink shown here to check whether your product documentation is complete and up to date. The documents are available in English, German, Spanish and French.

WideTEK® 48/60ART

https://www.imageaccess.de