

# iiOMA

V02.00.03

# User Manual



SW VERSION 02.00.03 TRACER FIRMWARE 01.12.38 Loaded

iNEER iiOMA

Setting **Edger** Configuration Calibration Upgrade CS Mode Test Mode Statistics About us

Folder access available

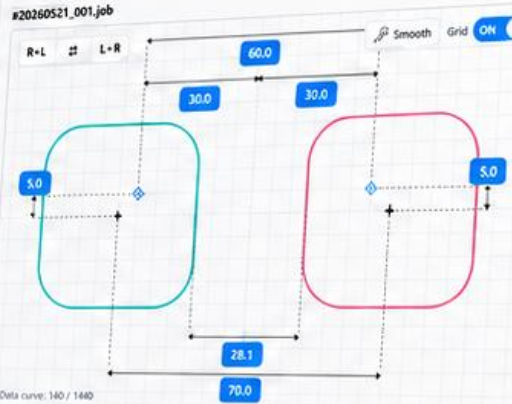
**List**  
 208 --> Flip  
 #20260521\_001.job  
 #20260521\_002.job  
 #20260521\_003.job  
 TEST #1.job

CREATED 2026-05-21 16:55  
 MODIFIED 2026-05-21 14:07

Data Manager

DESTINATION  
 HTTPS POST - <https://iineer.co.kr/Action/SignApp/trace/job-practice/>  
 GET

**Lens**  
 #20260521\_001.job  
 R=L # L=R Smooth Grid ON



LENS MATERIAL  
 PL  PC  HI  GL  TR

BEVEL POSITION  
 Percent  Front  Back  Curve  
 50 %

FRAME TYPE  
 Bevel  Flat  Mini-bevel  Groove  
 Polish

Mini Height 0.60 Width 0.60 Height 0.40

R			Frame		L		
SPH	CYL	Axis	Curve	Z/ILT	SPH	CYL	Axis
0.00	0.00	0.00	1.14	0.03	0.00	0.00	0.00
ADD	PRVM	PRVA			ADD	PRVM	PRVA
0.00	0.00	0.00			0.00	0.00	0.00

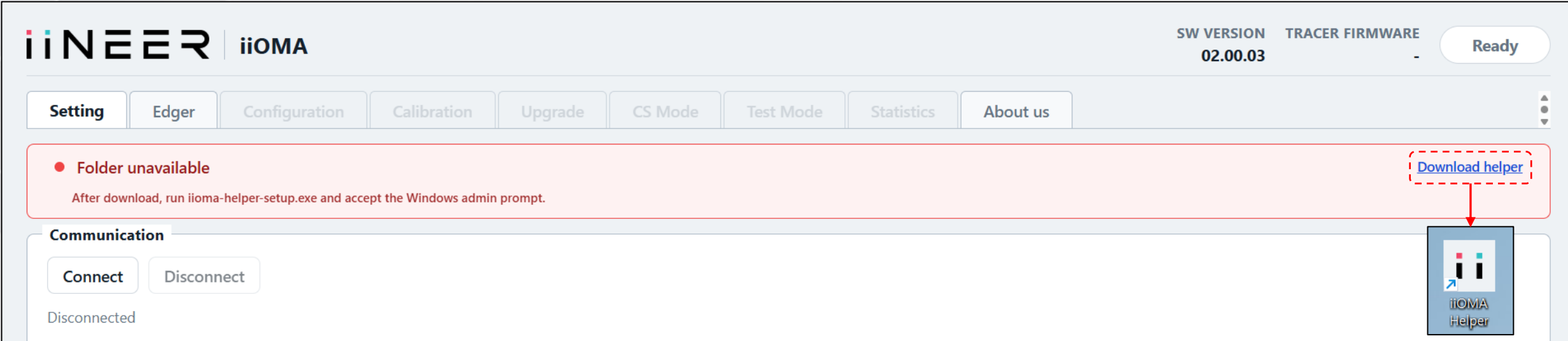
SIZE ADJUSTMENT  
 HBOX / VBOX  CIRC  CIRC3D

Data	SIZE ADJUSTMENT		FRAME SIZE	
	R/L		Right	Left
HBOX	0		41.90	41.90
VBOX	0		41.83	41.93
CIRC	0		149.96	149.98
CIRC3D	0.00		149.97	149.99

**Order Info**  
 Job Name #20260521\_001  
 Prescription No.  
 Account No.  
 Last Name  
 First Name  
 Address  
 Phone  
 Memo

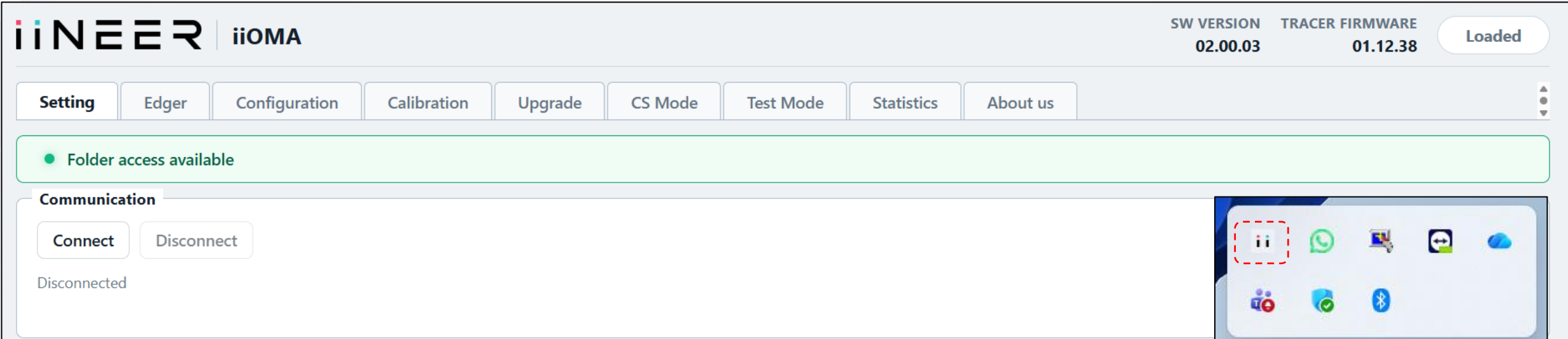
Apply  
 Transfer  
 Order Preview

# 1. iiOMA Helper installation



The screenshot shows the iiOMA web interface. At the top left is the iNEER logo and the text 'iiOMA'. On the top right, it displays 'SW VERSION 02.00.03' and 'TRACER FIRMWARE -' with a 'Ready' status button. Below the header is a navigation menu with buttons for 'Setting', 'Edger', 'Configuration', 'Calibration', 'Upgrade', 'CS Mode', 'Test Mode', 'Statistics', and 'About us'. A red error message box states: 'Folder unavailable. After download, run iioma-helper-setup.exe and accept the Windows admin prompt.' A blue 'Download helper' button is highlighted with a dashed red box, with a red arrow pointing to a small iiOMA Helper icon in the bottom right corner of the interface.

① Access the iiOMA webpage, click "Download Helper," then download and install it.

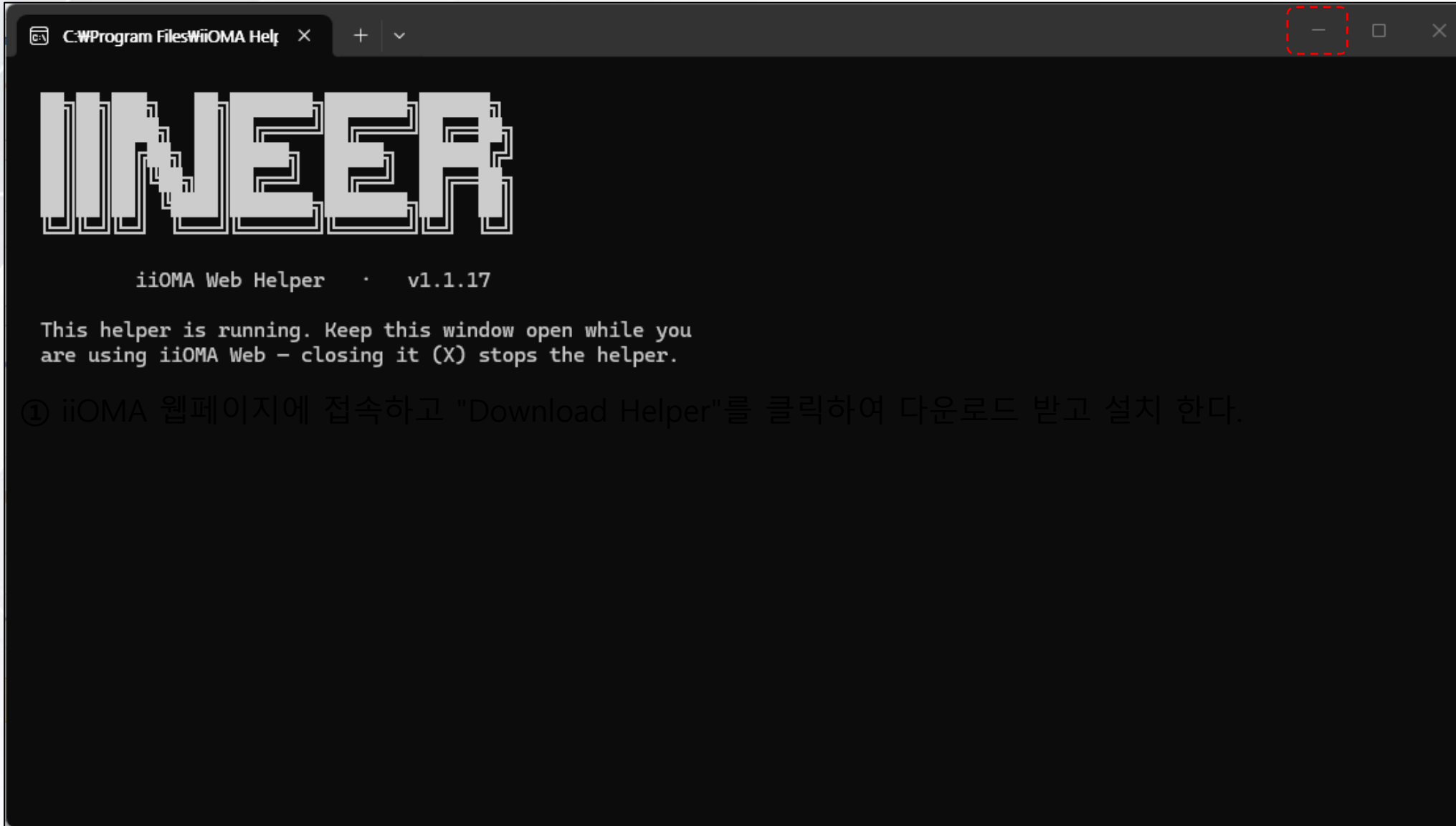


The screenshot shows the iiOMA web interface after successful installation. The status at the top right is now 'Loaded'. The error message has been replaced by a green message: 'Folder access available'. The navigation menu and other interface elements remain the same. In the bottom right corner, a Windows system tray is shown with the iiOMA icon highlighted by a dashed red box, indicating it is now running.

① Once the installation is complete, the iiOMA icon will appear in the system tray.

② If iiOMA Helper is not running, it cannot connect to the device or server.

# 1. iiOMA Helper installation



- ③ When iiOMA Helper is launched, a console window like the one shown below will appear. If this console window is closed, iiOMA will no longer be able to connect. Therefore, please keep it running and minimize it while using iiOMA.

## 2. Setting

Setting
Edger
Configuration
Calibration
Upgrade
CS Mode
Test Mode
Statistics
About us

Folder access available

---

**Communication**

Connected — COM5

---

**Save Path**

Storage path

When the helper is running, files are saved automatically at the path you enter. Type the full folder path, or use the "..."/> button to browse.

---

**Data**

Save Extension   Data count

---

**Transfer**

Upload the selected JOB file from the Edger tab to a remote destination. HTTPS POST runs natively in the browser. SFTP and FTP are not browser-native; configure a Bridge URL — your backend should accept the JSON payload and perform the upstream upload.

Protocol  
 HTTPS POST
  SFTP
  FTP
  LMS push

**LMS device push**

Autocconnect receive in the Setting - LMS panel must be on for devices to appear here automatically. Press **Transfer** in the Edger tab to send job data directly to the selected device.

Target device

Last announced at 2026-05-20 11:13 — helper will dial this Device on Transfer.

Remember credentials on this device (uncheck to wipe on tab close)

---

Idle

---

**LMS (DCS Host)** Host listening 0.0.0.0:33512

Devices connect to the host over TCP/IP to request job data. When the host is open below, the helper responds automatically. (DCS / OMA / VCA v3.13)

Enable LMS Host

Bind address   TCP port (Remote)

Autocconnect receive (UDP)

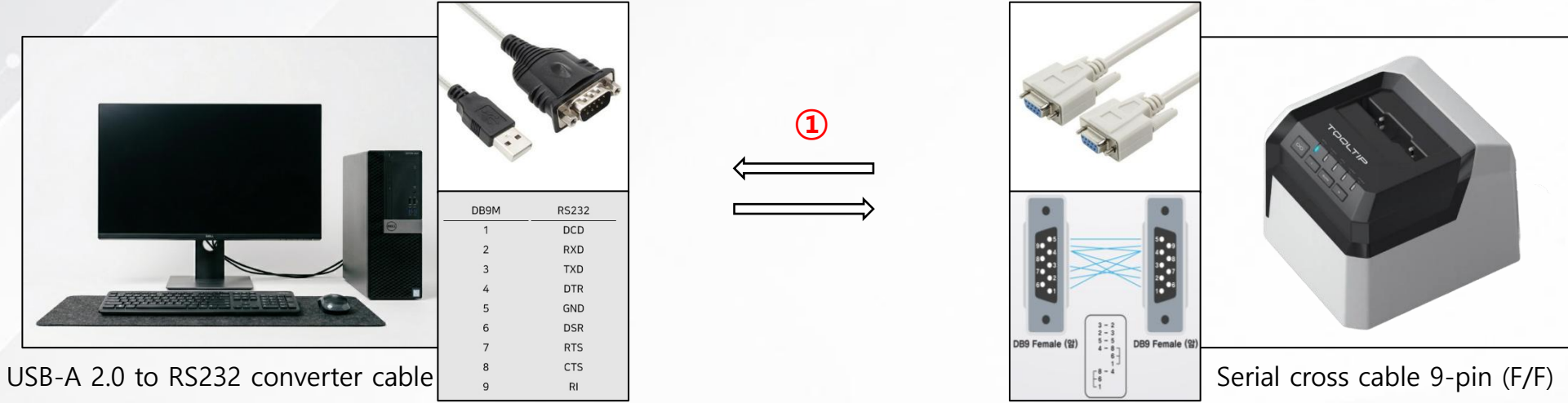
Rendezvous port (UDP)  Packet timeout (ms)

Print communication log to console

Default OMAV

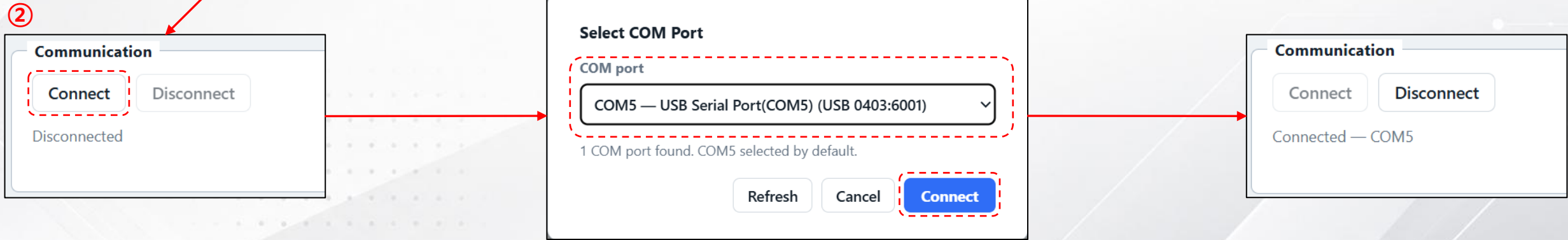
- ① The Setting tab is used to connect iiOMA to the tracer and to connect iiOMA to the edger and server using various communication methods.

## 2. Setting (Communication)



USB-A 2.0 to RS232 converter cable

Serial cross cable 9-pin (F/F)



- ① Connect the PC and the tracer using the following cable. (Please connect it to the [PC] port of the tracer.)  
If a cable with a different pin map is used, the connection may not work.
- ② Connect the cable, check and select the connected COM port on the PC, then press Connect to complete the connection.
- ③ Once the connection with the tracer is completed, the tracer will perform the initialization process.

## 2. Setting (Save Path / Data )

**① Save Path**

Storage path  ...

When the helper is running, files are saved automatically at the path you enter. Type the full folder path, or use the "... " button to browse.

① Press [...] to select the folder where the JOB Data will be saved, or enter the folder path directly, then press [Apply].

**Data**

Save Extension  ▼  ▼

② ③

② Select the file extension for saving the JOB Data. ( dat / txt / oma / job )

③ You can change the file shape resolution (number of points) of the generated data.

## 2. Setting (Transfer\_HTTPS POST) – Send file as File

**Transfer**

Upload the selected JOB file from the Edger tab to a remote destination. HTTPS POST runs natively in the browser. SFTP is not browser-native; configure a Bridge URL — your backend should accept the JSON payload and perform the upstream upload.

Protocol

HTTPS POST  SFTP  LMS push

**1** **HTTPS POST settings**

URL

**2** Method Send file as

**3** File field name

Extra form fields  
— one "Key: Value" per line, sent alongside the file

**4**

**5** Bearer token (optional)

**6** Extra headers (one "Key: Value" per line)

- ① Enter the URL of the server that will receive the JOB file via HTTPS.
- ② Select the HTTP method and JOB file data type. (Default: **POST** and **File**. Files are sent as **multipart/form-data**.)
- ③ Specify the file field name to match the receiving server configuration.  
 Examples: **filename**, **files**.
- ④ Optionally add a Body Payload required by the receiving server. Leave blank if not required.  
 Enter each item in **key:value** format, separated by line breaks.
- ⑤ Optionally add request headers required by the receiving server. Leave blank if not required.  
 Enter each header in **key:value** format, separated by line breaks.
- ⑥ Optionally enter an Authorization token configured on the receiving server.  
 The **"Bearer "** prefix is automatically added to the token value.

## 2. Setting (Transfer\_HTTPS POST) – Send file as Text Binary

**Transfer**

Upload the selected JOB file from the Edger tab to a remote destination. HTTPS POST runs natively in the browser. SFTP is not browser-native; configure a Bridge URL — your backend should accept the JSON payload and perform the upstream upload.

Protocol  
 HTTPS POST    SFTP    LMS push

**HTTPS POST settings**

URL

Method  
 ① Send file as  
 Text — file content inside the body

File field name  
 — the key the JOB is sent under  
 ②

Extra body values  
 — one "Key: Value" per line, sent with the file

Body format      Encoding  
       ③

The JOB picked in the Edger tab is converted to text and sent automatically under File field name — you don't paste the file here. Use Extra body values for anything else the server requires. Encoding sets whether the JOB goes as plain text or Base64 (choose Base64 if the server expects encoded content).

Bearer token (optional)

Extra headers (one "Key: Value" per line)

- ① Change **Send file as** to **Text** to transmit the JOB file as binary text data.
- ② Specify the file field name to match the receiving server configuration.  
 Examples: **filename, files.**
- ③ Configure the **Body Format** and **Encoding** to match the receiving server requirements.  
**Body Format:** JSON, multipart/form-data, x-www-form-urlencoded  
**Encoding:** Raw Text, Base64

## 2. Setting (Transfer\_SFTP)

**Transfer**

Upload the selected JOB file from the Edger tab to a remote destination. HTTPS POST runs natively in the browser. SFTP is not browser-native; configure a Bridge URL — your backend should accept the JSON payload and perform the upstream upload.

**Protocol**

HTTPS POST
  SFTP
  LMS push

**SFTP settings**

① Bridge URL (server-side relay)

https://relay.example/iioma/sftp

② Host Port

22

③ Username Password

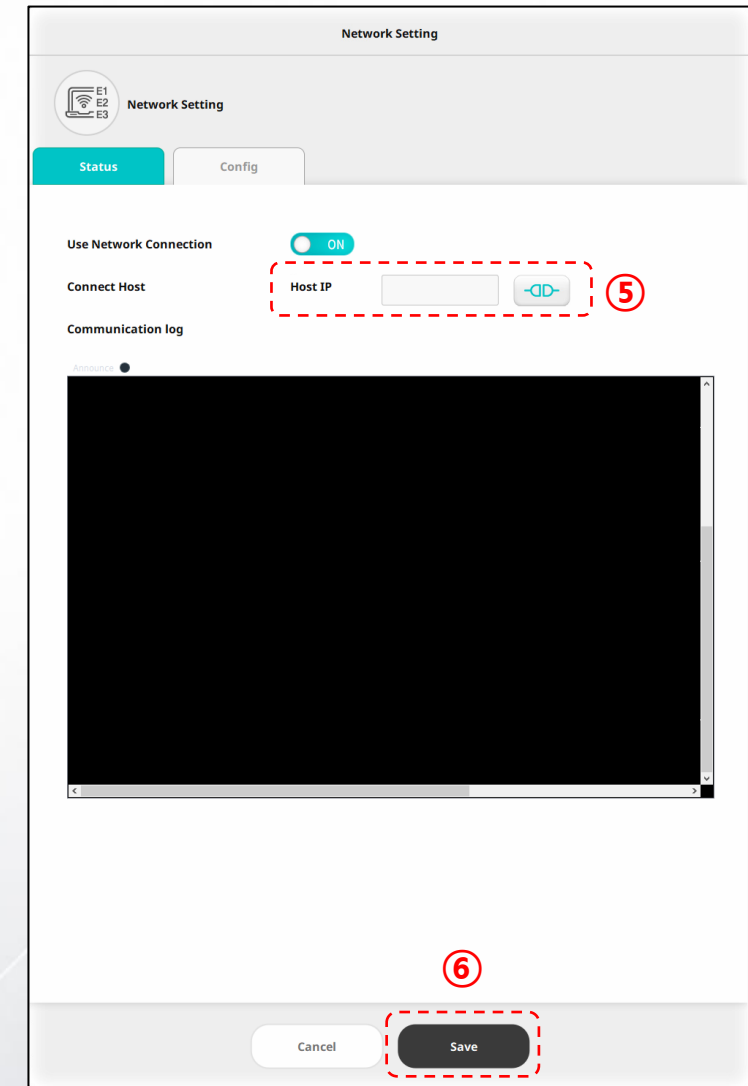
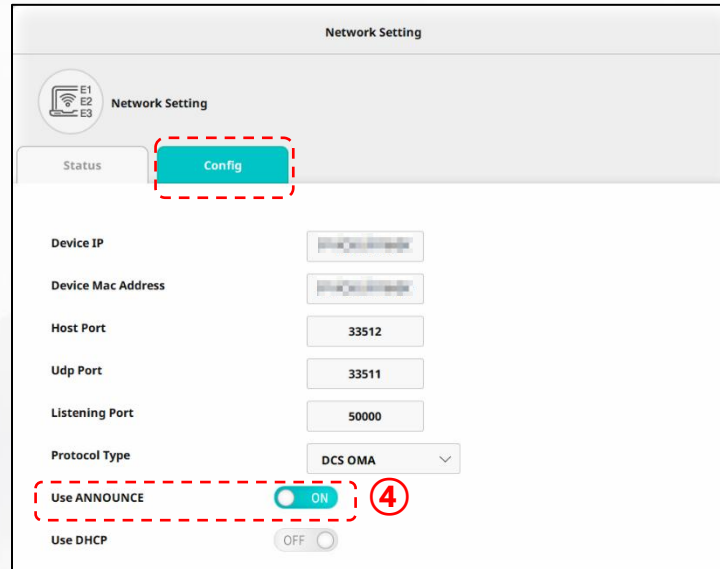
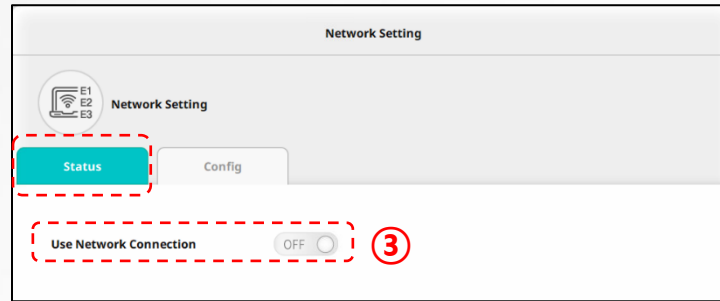
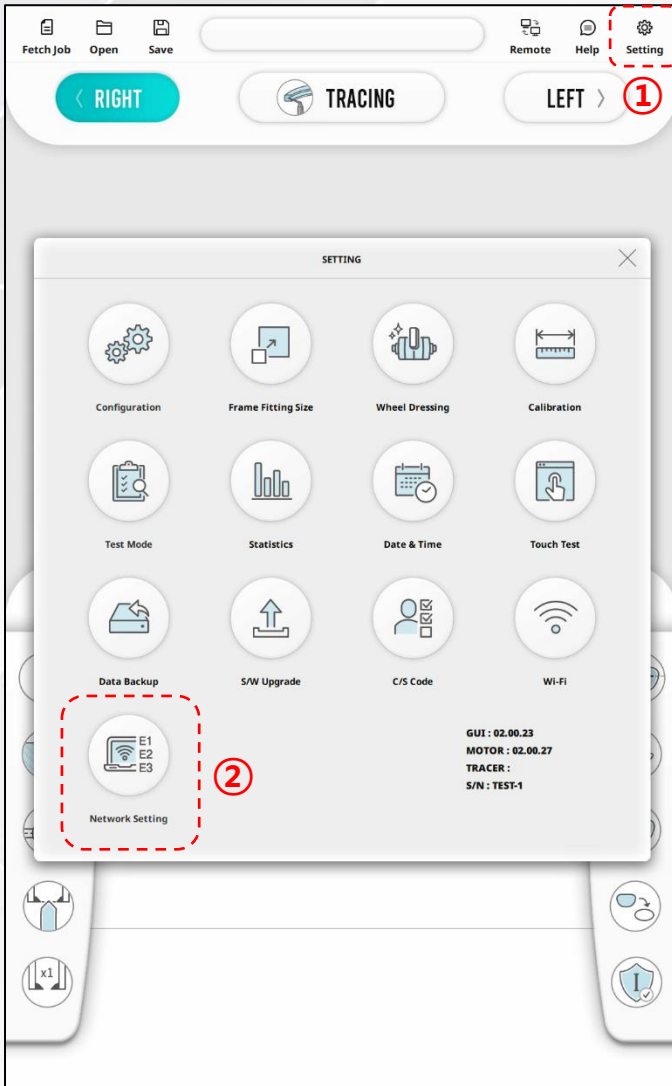
iioma\_upload .....

④ Remote path

/upload

- ① Please enter the Bridge URL if available. If not, this field may be left blank.
- ② Please enter the host address for SFTP communication. (Public IP or Public DNS),  
Please enter the port number used by the SFTP server for incoming connections.
- ③ Please enter the Username and Password used to authenticate with the SFTP server.  
These credentials will be used to establish a secure connection for file transfer.
- ④ Please enter the path of the remote folder where the JOB files will be uploaded.  
The uploaded files will be transferred and stored in the specified directory on the SFTP server.

## 2. Setting (Transfer\_LMS push)



- ① In Network Setting, turn ON both Use Network Connection and Use ANNOUNCE, then click the Save button at the bottom.
- ② Enter Network Setting again, enter the IPv4 address of the PC running iiOMA in the Host IP field, and then click the Save button.

## 2. Setting (Transfer\_LMS push)

**Transfer**

Upload the selected JOB file from the Edger tab to a remote destination. HTTPS POST runs natively in the browser. SFTP is not browser-native; configure a Bridge URL — your backend should accept the JSON payload and perform the upstream upload.

**Protocol**

HTTPS POST  
  SFTP  
  LMS push

**LMS device push**

**Autoconnect receive** in the Setting ▶ LMS panel must be on for devices to appear here automatically. Press **Transfer** in the Edger tab to send job data directly to the selected device.

**Target device**

1

EDGER / LensEdger / TEST-2 — 192.168.0.

2

Refresh list
Clear list

Last announced at 2026-05-27 16:01 — helper will dial this Device on Transfer.

Remember credentials on this device (uncheck to wipe on tab close)

4

LMS target ready: 192.168.0.

3
 Test connection

- ① The LMS Push function allows JOB data to be transmitted to ophthalmic devices (such as Edgers) connected to the same local network. Please select the target device that will receive the JOB data.
- ② If the desired device does not appear in the list, click the Refresh button to rescan and update the available device list.
- ③ Once a device has been selected, you can use the Test Connection function to verify network communication with the selected device.
- ④ The connection result and status will be displayed for confirmation.

## 2. Setting (LMS\_DCS Host)

**LMS (DCS Host)** ● Host listening 192.168.0.15:33512

Devices connect to the host over TCP/IP to request job data. When the host is open below, the helper responds automatically. (DCS / OMA / VCA v3.13)

- ① **Enable LMS Host**  ON
- ② **Bind address** TCP port (Remote)
- ③ **Autoconnect receive (UDP)**  ON
- ④ **Rendezvous port (UDP)** Packet timeout (ms)
- ⑤ **Print communication log to console**  ON
- ⑥ **Default OMAV**

- ① To use the LMS Push function, this toggle must be turned **ON**.
- ② You can specify the host IP address to be used for communication. Please select the Wi-Fi network interface. If no Wi-Fi interface is detected, the system will bind to 0.0.0.0 instead. Please specify the TCP port to be used for communication. The officially recommended default value is 33512.
- ③ To listen for UDP broadcast packets, this toggle must be turned **ON**.
- ④ Please specify the UDP port to be used for broadcast communication. The officially recommended default value is 33511. You can also configure the packet timeout value. The default timeout is 15000 ms.
- ⑤ You can choose whether communication logs should be displayed during operation.
- ⑥ Please select the version of the DCS OMA protocol to be used for communication. Default is 3.13.

### 3. Edger

The screenshot displays the Edger software interface with several key sections:

- ① List:** A sidebar on the left containing a list of job files: #20260521\_001.job, #20260521\_003.job, #20260521\_002.job, and TEST #1.job. It also includes a 'Data Manager' section with a 'DESTINATION' URL.
- ② Lens:** The main workspace showing a grid with two lens images (one cyan, one pink) and various dimension lines (60.0, 30.0, 28.1, 70.0, 5.0). Below the grid are input fields for 'R' and 'L' lens parameters (SPH, CYL, Axis, ADD, PRVM, PRVA) and 'Frame' settings (Curve, ZTILT).
- ③ Size Adjustment:** A section at the bottom left with radio buttons for 'HBOX / VBOX', 'CIRC', and 'CIRC3D'. It contains a table for adjusting lens dimensions.
- ④ Order Info:** A sidebar on the right for entering customer details like Job Name, Prescription No., Account No., Last Name, First Name, Address, Phone, and Memo. It also includes 'Apply', 'Transfer', and 'Order Preview' buttons.
- ⑤ Button:** A set of control buttons at the bottom right: 'Apply' (blue), 'Transfer' (green), and 'Order Preview' (white with blue border).

Delta	SIZE ADJUSTMENT		FRAME SIZE	
	R / L		Right	Left
HBOX	0		41.90	41.90
VBOX	0		41.83	41.93
CIRC	0		149.96	149.98
CIRC3D	0.00		149.97	149.99

① **List** : List of JOB Data stored in the configured folder. The JOB Data read by the tracer is saved here.

② **Lens** : This is the image of the frame read by the tracer.

You can change the processing settings or values before sending the data to the Edger or server.

③ **Size Adjustment** : You can adjust the lens size by selecting HBOX / VBOX / CIRC / CIRC3D.

④ **Order Info** : You can enter customer information.

⑤ **Button** : Use these buttons to apply changes, transfer data, or open the Order Preview.

### 3. Edger (List)

**List**

📁 JOB — 4 file(s)

- ii20260521\_001.job
- ii20260521\_003.job
- ii20260521\_002.job
- TEST #1.job

---

CREATED 2026-05-22 11:53  
MODIFIED 2026-05-21 14:07

Data Manager

DESTINATION  
LMS push → EDGER / LensEdger / TEST-2 — 192.168.0.19

LMS 2026-05-22 11:53  
LMS push → EDGER / LensEdger / TEST-2 — 192.168.0.19

① Displays the folder where the data is stored and the list of files. The data read by the tracer is saved here.

② Displays the creation time and modification time of the file.

③ You can rename or delete the file.

**Data Manager** ×

Select All Delete

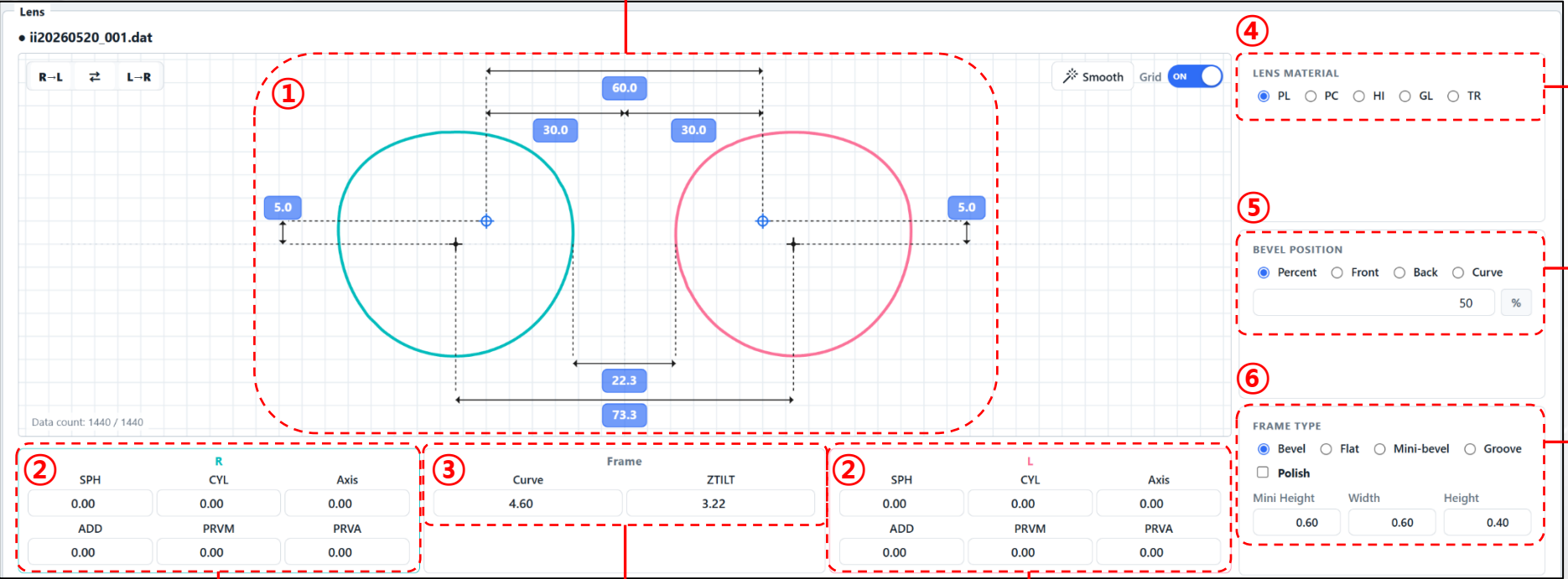
FILE NAME	SENT AT	DESTINATION
<input type="checkbox"/> ii20260520_001.dat <span style="float: right;">✎</span>	LMS 2026-05-20 10:32	LMS push → EDGER / LensEdger / TEST-1 — 192.168.0.19
<input type="checkbox"/> ii260511_001.job <span style="float: right;">✎</span>	LMS 2026-05-19 16:25	LMS push → EDGER / LensEdger / TEST-1 — 192.168.0.19

④ Displays the destination where the data will be sent.

⑤ Displays the date and time when the data was sent to the destination.

### 3. Edger (Lens)

① Size design area  
( PD / IPD / OH / DBL /MPD )



The screenshot shows the Edger software interface with a lens design area and several control panels. The design area contains two lenses, one teal and one pink, with various dimension lines and values. The control panels include:

- Right Lens (R) Panel:**

SPH	CYL	Axis
0.00	0.00	0.00
ADD	PRVM	PRVA
0.00	0.00	0.00
- Frame Panel:**

Curve	ZTILT
4.60	3.22
- Left Lens (L) Panel:**

SPH	CYL	Axis
0.00	0.00	0.00
ADD	PRVM	PRVA
0.00	0.00	0.00
- LENS MATERIAL Panel:**
  - PL
  - PC
  - HI
  - GL
  - TR
- BEVEL POSITION Panel:**
  - Percent
  - Front
  - Back
  - Curve

50 %
- FRAME TYPE Panel:**
  - Bevel
  - Flat
  - Mini-bevel
  - Groove

Polish

Mini Height	Width	Height
0.60	0.60	0.40

④ You can select the lens material.

⑤ You can select the bevel and grooving positions.

⑥ You can select the Frame Type and adjust the dimensions.

② You can enter the values for the right lens.

② You can enter the values for the Left lens.

③ The curve and angle are displayed.

### 3. Edger (Size Adjustment)

① You can select the area where the size will be adjusted.

**SIZE ADJUSTMENT**

HBOX / VBOX  
  CIRC  
  CIRC3D

Delta	SIZE ADJUSTMENT		FRAME SIZE		
	R / L		Right		Left
HBOX	<input type="text" value="0"/>		<input type="text" value="50.95"/>		<input type="text" value="51.10"/>
VBOX	<input type="text" value="0"/>		<input type="text" value="48.61"/>		<input type="text" value="48.51"/>
CIRC	<input type="text" value="0"/>		<input type="text" value="158.19"/>		<input type="text" value="158.13"/>
CIRC3D	<input type="text" value="0"/>		<input type="text" value="158.22"/>		<input type="text" value="158.16"/>

② A blue outline appears around the selected area, and you can enter the dimensions to adjust.

③ Displays the size of the selected JOB Data.

### 3. Edger (Order Info)

**Order Info**

Job Name  
ii20260520\_001

Prescription No.

Account No.

Last Name

First Name

Address

Phone

Memo

Apply
Transfer
Order Preview

① You can enter and save detailed customer information for each JOB.

② Applies the changes such as size adjustments and processing settings.

③ Transfers the JOB data to the device or server configured in the Setting tab.

④ After entering the customer information and pressing the Order Preview button, the following window appears, allowing you to print or save it as a PDF file.

④



**ORDER REPORT**

**Metal 001**

Printed File    May 20, 2026, 5:55 PM  
Metal 001.dat

---

**LENS SHAPE**



**ORDER / CUSTOMER**

Job Name	Metal 001
Prescription No.	-
Account No.	-
Last Name	-
First Name	-
Address	-
Phone	-

**TRANSFER**

File Created	May 20, 2026, 5:05 PM
Transfer History	LMS May 20, 2026, 5:05 PM LMS push - FDGFR / LensEdger / TEST-2 - 192.168.0.1

**RX / OPTICAL LAYOUT**

	Right	Left
PD	60.00 mm	
MPD	72.68 mm	
DBL	22.83 mm	
IPD	30.00 mm	30.00 mm
OH (Box Center)	5.00 mm	5.00 mm

**FRAME / SHAPE**

	Right	Left
Horizontal Box	50.01	49.69
Vertical Box	46.77	46.87
Circumference	153.01	152.96
3D Circumference	153.02	152.97

**PRESCRIPTION**

	Right	Left
Sphere	0.00	0.00
Cylinder	0.00	0.00
Axis	0.00	0.00
ADD	0.00	0.00
PRVM	0.00	0.00
PRVA	0.00	0.00

**EDGING / MATERIAL**

Lens Material	Edge Type	Polish	Bevel Position	Bevel Value
PL	Bevel	No	Percent	50 %

**MEMO**

# 4. Configuration

Setting | Edger | **Configuration** | Calibration | Upgrade | CS Mode | Test Mode | Statistics | About us

Folder access available

**1** General

Open Incoming Data  ON

Job Name Format  ?

Pattern Default Design  Groove  Bevel

Design Sync  ON

**2** Design

PD

DBL

OH Reference OH Box Center

OH Eye Bottom

OH Lens Bottom

**3** Layout

Lens material  PL  PC  HI  GL  TR

Frame Type  Bevel  Mini Bevel  Flat  Groove

Bevel Position  Percent  Front  Rear  Base Curve

Groove Position   Percent  Front  Rear  Base Curve

**4** Size Correction

NONE  CIRC  CIRC3D  HVBOX

	Plastic	Metal	Pattern	Optyl
CIRC	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
CIRC3D	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
HBOX	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
VBOX	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>

SAVE

① **General** : General Settings.

② **Design** : Design Settings.

③ **Layout** : Set the default layout when loading data from the tracer.

④ **Size Correction** : For each frame material, you can select CIRC / CIRC3D / HBOX / VBOX to preset the size adjustment for the lens data read by the tracer.

## 4. Configuration (General)

**General**

**Open Incoming Data** ①

**Job Name Format** ②

**Pattern Default Design** ③

**Design Sync** ④

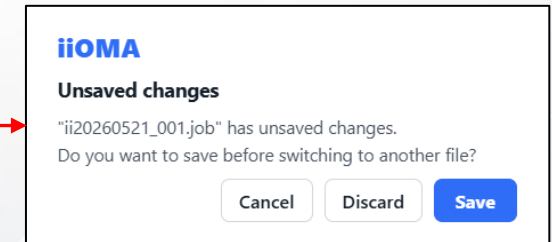
ON

?

Groove  Bevel

ON

① **Open Incoming data** : When set to "ON", if data is received from the tracer while editing job data, the following window appears and the corresponding job data is displayed on the screen.



② **Job Name Format** : You can change the format of the saved JOB name.

③ **Pattern Default Design** : You can specify the pattern of the data to be loaded by selecting Bevel/Grooving.

④ **Design Sync** : When ON, the IPD design value is applied equally to both left and right.

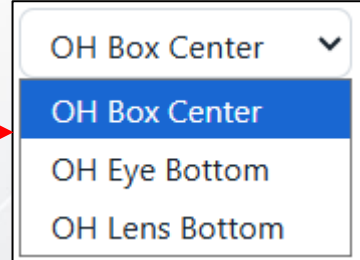
# 4. Configuration (Design)

**Design**

<div style="border: 1px dashed red; padding: 2px; display: inline-block; margin-bottom: 5px;"> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">1</span> PD         </div> <div style="border: 1px dashed red; padding: 2px; display: inline-block; margin-bottom: 5px;"> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">2</span> DBL         </div> <div style="border: 1px dashed red; padding: 2px; display: inline-block; margin-bottom: 5px;"> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">3</span> OH Reference         </div> <div style="border: 1px dashed red; padding: 2px; display: inline-block; margin-bottom: 5px;"> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">4</span> OH Box Center          OH Eye Bottom          OH Lens Bottom         </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; text-align: center;">60.00</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; text-align: center;">17.00</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; text-align: center;">OH Box Center ▼</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; text-align: center;">5.00</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; text-align: center;">20.00</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; text-align: center;">20.00</div>
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- ① **PD** : You can preset basic value of PD (Pupillary Distance) when job data is open.
- ② **DBL** : You can preset basic value of DBL (Distance between lenses) when job data is open.  
(Basic DBL value is only applied when you did not enter DBL value.)

③ **OH Reference** : You can select the OH reference of the JOB data from  
OH Box Center / OH Eye Center / Lens Bottom Center.



④ **OH Value** : Default value when selecting the OH reference standard.

## 4. Configuration (Layout)

**Layout**

① **Lens material**  PL  PC  HI  GL  TR

② **Frame Type**  Bevel  Mini Bevel  Flat  Groove

③ **Bevel Position**  Percent  Front  Rear  Base Curve

**Groove Position**  Percent  Front  Rear  Base Curve

50.00 1.00 1.00 2.00 50.00 1.00 1.00 2.00

① **Lens material** : You can set the material of the data to be loaded.

② **Frame Type** : You can set the frame type of the data to be loaded.

③ **Bevel&Groove Position** : You can set the processing position and numerical values for beveling and grooving.

## 4. Configuration (Size Correction)

**Size Correction** ①

NONE  
  CIRC  
  CIRC3D  
  HVBOX

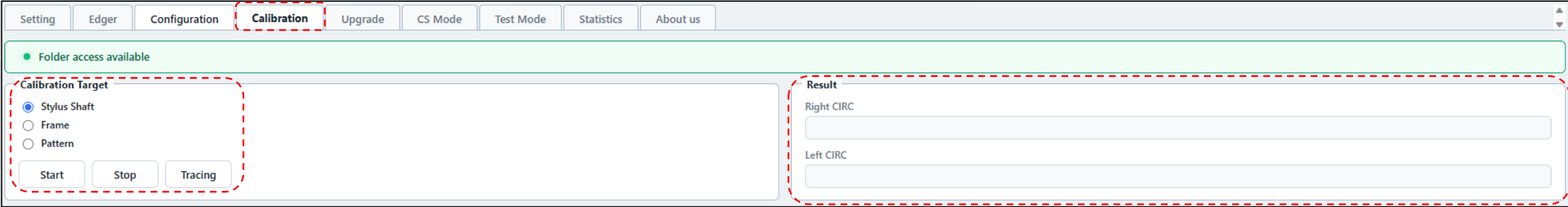
②

	Plastic	Metal	Pattern	Optyl
CIRC	0.00	0.00	0.00	0.00
CIRC3D	0.00	0.00	0.00	0.00
HBOX	0.00	0.00	0.00	0.00
VBOX	0.00	0.00	0.00	0.00

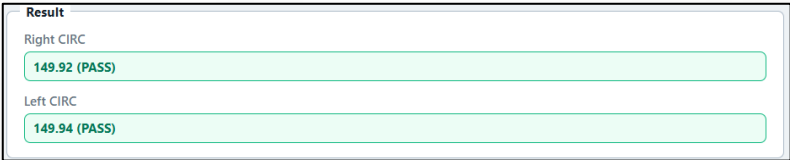
① **Size Correction select** : Select the method to use for Size Correction.

② **Material** : If you enter Size Correction values for each frame material, the entered values will be automatically applied when the data is loaded.

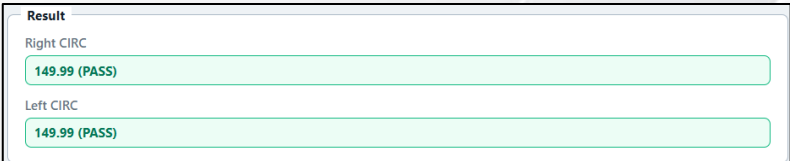
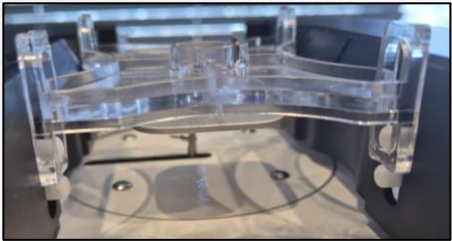
# 5. Calibration



- ① **Stylus Shaft** : Calibration to optimize the reading process by measuring the sensitivity and weight of the stylus shaft. A separate jig is not required.
- ② **Frame** : Install the frame JIG and perform the calibration. When the calibration is complete, the circumference value will appear in the "Result" section. Please check whether it shows PASS.



- ③ **Pattern** : Install the pattern jig and perform calibration. Once calibration is complete, the circumference value will be displayed in the "Result" section. Check if it says "Pass".



- ④ **Tracing** : Button for reading only to check the perimeter value after calibration.

# 6. Upgrade

Setting | Edger | Configuration | Calibration | **Upgrade** | CS Mode | Test Mode | Statistics | About us

● Folder access available

**Firmware**

Server **Online** Refresh list

Firmware file

tracer\_v01.12.37.hex[SERVER] Browse local... **DOWNLOAD**

Turn off the Tracer, then turn it back on while holding the TYPE button for 3 seconds. If all LEDs are lit, the device is ready for the upgrade. Then, press the UPGRADE button.

Ready

- ① When entering the Upgrade tab, the latest version marked with [SERVER] is automatically selected.
- ② Press Download, and once the download is complete, the file will be saved to DISK and the button will change to UPGRADE.

Firmware file

tracer\_v01.12.37.hex[DISK] Browse local... **UPGRADE**

Turn off the Tracer, then turn it back on while holding the TYPE button for 3 seconds. If all LEDs are lit, the device is ready for the upgrade. Then, press the UPGRADE button.

Download complete. Click UPGRADE to flash.

- ③ Turn off the Tracer, then turn it back on while holding the TYPE button for 3 seconds. If all LEDs are lit, the device is ready for the upgrade. Then, press the UPGRADE button.

# 7. Test Mode

Setting | Edger | Configuration | Calibration | Upgrade | CS Mode | **Test Mode** | Statistics | About us

● Folder access available

Auto Refresh  OFF All Initialize

Test Mode	Sensor	Value	Movement
X Axis	PI	<input type="text" value="Open"/> 0.0	<span>Initialize</span> <span>Open</span> <span>Close</span>
Theta Axis	PI	<input type="text" value="Open"/> 0.0	<span>Initialize</span> <span>Open</span> <span>Close</span>
R Encoder		<input type="text" value="16"/> 16	<span>Initialize</span> <span>Push</span> <span>Pull</span>
Z Encoder		<input type="text" value="1"/> 1	<span>Initialize</span> <span>Up</span> <span>Down</span>
Gripper	PI	<input type="text" value="Close"/>	<span>Initialize</span> <span>Grip</span> <span>Release</span>
MIN	PI	<input type="text" value="Open"/>	
MID	PI	<input type="text" value="Open"/>	
MAX	PI	<input type="text" value="Close"/>	

Status: **Connected** — COM5 Connect COM Disconnect Stop

① This screen is the test mode, allowing you to check the status of functions and sensors.

# 8. Statistics

Setting | Edger | Configuration | Calibration | Upgrade | CS Mode | Test Mode | **Statistics** | About us

● Folder access available

**Statistics**

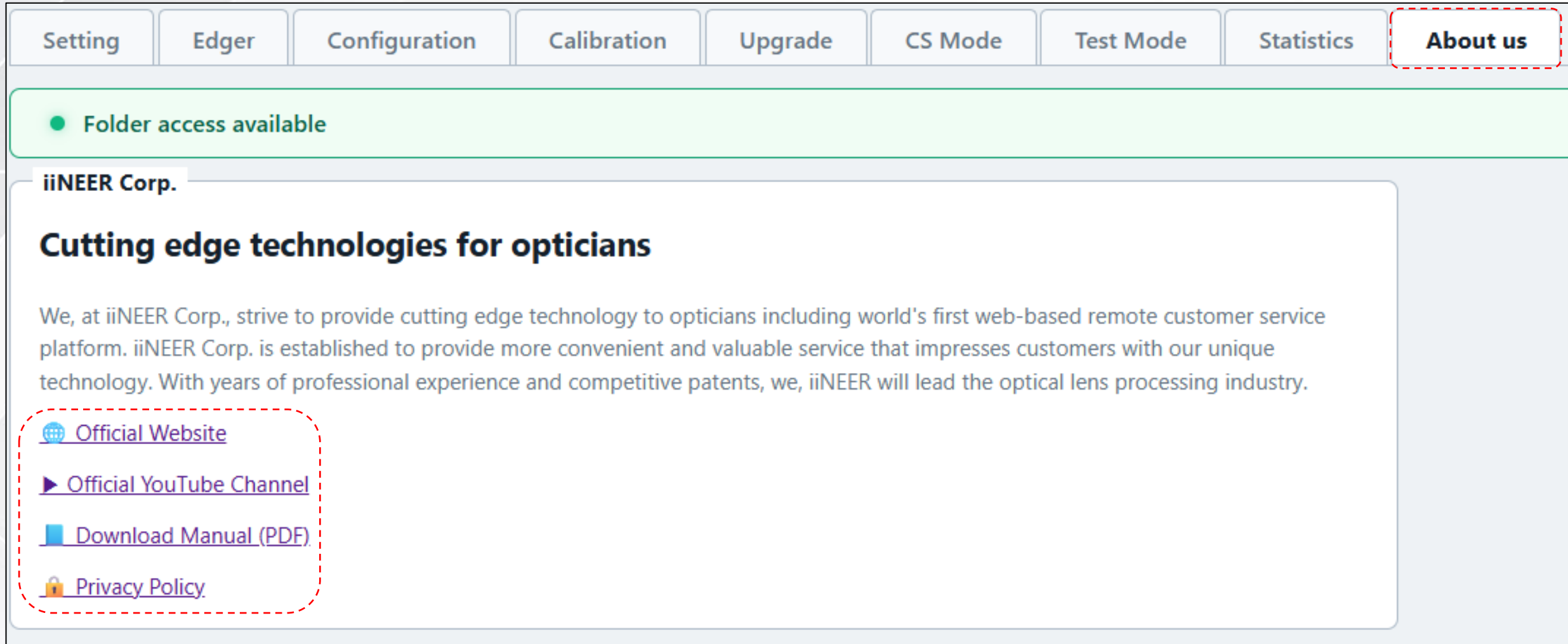
Total: 46    Right: 23    Left: 23

Type	Plastic	Metal	Optyl	Pattern	Demo	Sum
Right	0	1	0	0	0	1
Left	0	1	0	0	0	1
Both	14	16	14	0	0	44

① **Statistics** : Displays the number of times the frame has been read by the tracer.

② **Material** : Displays the number of times the tracer has read the right, left, and both sides according to the frame material.

## 9. About us



The screenshot shows a web interface with a top navigation bar containing buttons for Setting, Edger, Configuration, Calibration, Upgrade, CS Mode, Test Mode, Statistics, and About us. The 'About us' button is highlighted with a red dashed border. Below the navigation bar is a green notification bar with a green dot and the text 'Folder access available'. The main content area features the iiNEER Corp. logo, a bold heading 'Cutting edge technologies for opticians', and a paragraph of text. Below the text are four links: 'Official Website' (with a globe icon), 'Official YouTube Channel' (with a play button icon), 'Download Manual (PDF)' (with a PDF icon), and 'Privacy Policy' (with a lock icon). These four links are enclosed in a red dashed rounded rectangle.

Setting Edger Configuration Calibration Upgrade CS Mode Test Mode Statistics **About us**

● Folder access available

**iiNEER Corp.**

### Cutting edge technologies for opticians

We, at iiNEER Corp., strive to provide cutting edge technology to opticians including world's first web-based remote customer service platform. iiNEER Corp. is established to provide more convenient and valuable service that impresses customers with our unique technology. With years of professional experience and competitive patents, we, iiNEER will lead the optical lens processing industry.

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