



ESG – Smartphone **made in Nigeria**

(Environment, Social, Governance)

5G Smartphone Factory (Final Assembly and Test Line)

MAXGEN Technology Co., Ltd.
www.maxgentech.com

MAXGEN
(Confidential, only to Nigeria, July 2025)

1. 📖 Company History

- 2014. 03. Maxgen Technology Co., Ltd. established, 2014. 10. Awarded for contribution to community development
Maxgen Technology Co., Ltd. established, Awarded for contribution to community development
- 2015. 01. Establishment of corporate research institute, "new concept ESG-Smartphone with replaceable window glass patent registered"
- 2016. 12. Achieved export of 15,000,000 units of liquid protection glass (US telecommunications company Verizon)
- 2017. 01. Signed glass procurement contract with Corning, USA, 2017. 11. Successful production of prototype and demonstration of technology for "new concept ESG-Smartphone"
- 2020. 01. Collaboration with Samsung Electronics and LG Electronics to build "new concept customized smartphone"
- 2021. 04. Development of Taekwondo Phone and signing of MOU with World Taekwondo Federation, signing of MOU with LG Uplus Co., Ltd.
- 2021. 09. Korea Enterprise Data TCB Top "TI-2" Rating Acquired (KOSDAQ Technology Preferential Listing Conditions Secured)
- 2021. 10. Development of a dedicated emergency call app for silver (Android-based)
- 2022. 02. Received the 38th New Intellectual Award from the Republic of Korea, 2022. 06. Signed a business agreement with Nonghyup for a pilot project for Nonghyup Phone (Bank Phone)
- 2022. 09. Korea-Dubai "Eco-friendly ESG-Security Phone" Launching Event Held, Customized Smartphone First Model ESG X-20 KC Certification
- 2023. 02. Customized Smartphone ESG X-20 mass production (Nonghyup phone, Taekwondo phone, corporate phone, etc.)
- 2024. 09. Nigeria Customized Smartphone supply contract signed (10,000 units, 500,000 units)
- 2024. 12. Completion of Worldwide Customized Smartphone Business Model.
- 2025. 04. 5G, "Customized Moto-X" launched
- 2025. 05. World First "ESG X-40 (5G Global Version)" Production

2.💡 Core Technologies of MAXGEN

* New structural technology for smartphones

- A new smartphone that allows easy replacement of the smartphone's window glass
- Reduced repair costs for consumers
- Low-carbon, eco-friendly smartphone
- Various design smartphones
- Customized smartphones with content-specific designs and dedicated apps



3. 📱 New product 2025 : Eco-friendly X-40 (Similar specifications to Galaxy S24)

New! Eco-friendly X-40

OS / Network	Android 14.0
Platform	Mediatek Demensity 6100+, Octa core
Dimension	162.0 * 75.6 * 7.3 mm
Display	AMOLED, 6.67 inch, 1080 * 2400 pixel, 120Hz
Memory	RAM 8GB, ROM 256GB
Camera	Front 16MP, Rear 108MP+5MP, LED Flash
Connectivity	Wi-Fi 802.11 a/b/g/n/ac/ax, Bluetooth 5.2, GPS/A-GPS USB Type C
Finger Printer	Yes
NFC	Yes
Sensor	Proximity, Light, Accelerometer, Gyro, Compass
Battery	Li-Po 5,000mAh, 33W Fast charging



Company Profile

3. 📱 New product 2025 : Eco-friendly X-50 (Similar specifications to Galaxy S25)

New! Eco-friendly X-50

OS / Network	Android 13.0 / 2G,3G,4G,5G
Platform	Mediatek Demensity9000+,Octacore
Dimension	165.4 * 76.8 * 8.9 mm
Display	AMOLED,6.67inch,1080x2400pixel,120Hz
Memory	RAM 16GB, ROM 1TB
Camera	Rear 200MP + 50M P+ 8MP
Connectivity	WiFi 802.11 a/b/g/n/ac/ax,WiFi6 Bluetooth v5.3GPS/A-GPS, GLONASS, GALILEO
Etc.	Finger Printer, NFC
Sensor	Proximity, Light, Accelerometer, Gyro, Compass sensor
Battery	5,000mAh, 67W Fast charging



Company Profile

4. 📱 Passion Phone Images



Ⓐ Taekwon Apps : TaekwonTalk, TaekwonBank, TaekwonMall, TaekwonGame, TaekwonCoin...
Ⓑ Design (Front & Back)

5. 📱 Introducing ESG-Smartphone Video Clip

ESG-Smartphone Video Clip 1

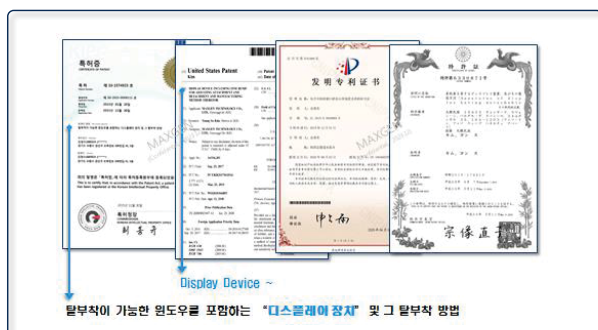


ESG-Smartphone Video Clip 2



6. 📄 PATENTS

Patents : USA, China, Japan, EU



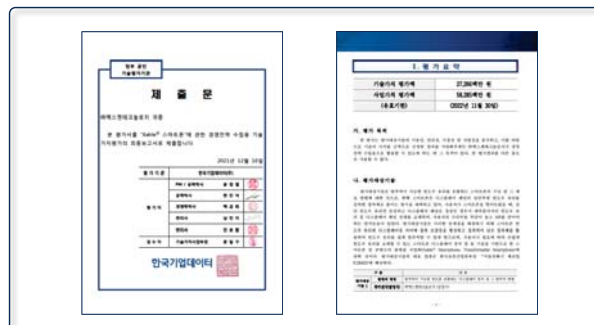
AAA : Patent Grade (Korea Intellectual Property Office)



TI-2 : TCB Evaluation (Special Listing Compliance)



Company Valuation : 50 Millions\$ (2021)



7. 🚀 Plan for the next 5 years(2025–2030)

MAXGEN Vision 2030: “Fashion Phone, Content Big Data and Content AI Leading through ESG-Smartphone”

Year	Key Plans
2025	Promoting the establishment of corporations in the Americas and Africa and securing distribution networks
2026	Establishing a local corporation in Europe and securing a distribution network
2027	Promoting a contract to build an assembly line with a country with a population of over 30 million people worldwide
2028	Listed on major stock exchanges around the world, including the US, Europe, Japan, Shanghai, and Korea
2029	Worldwide sales reached 100 million units (Sales: USD 30,000,000,000)
2030	Becoming one of the world's top 3 smartphone manufacturers

Final Assembly and Test Line

8. ■ Key Part and Process

“Base phone” & “Window Glass”



Key Materials

1. Main Board, Sub Board
2. Display Module, Camera Module
3. Battery, Middle Frame, Back Cover
4. Speaker Box, NFC Module
5. Main FPC, Power Key FPC, Volume Key FPC
6. SIM Tray, Bottom Cover, RF Cable, Motor, Receiver
7. Accessories : USB Cable, Manual, SIM Ejector, Detachable Window Glass, Dedicated Case

Key Process-1 (Window Glass)

1. Front and Rear Glass Printing
2. Visual inspection

Key Process-2 (Base Phone)

1. Lamination : Display module + Cover layer
2. Final Assembly
3. Final Test
4. Attach a Front and Rear glass
5. Boxing

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9. ■ Production/Supply Structure

Base Phone Production in China (SMT, Materials)



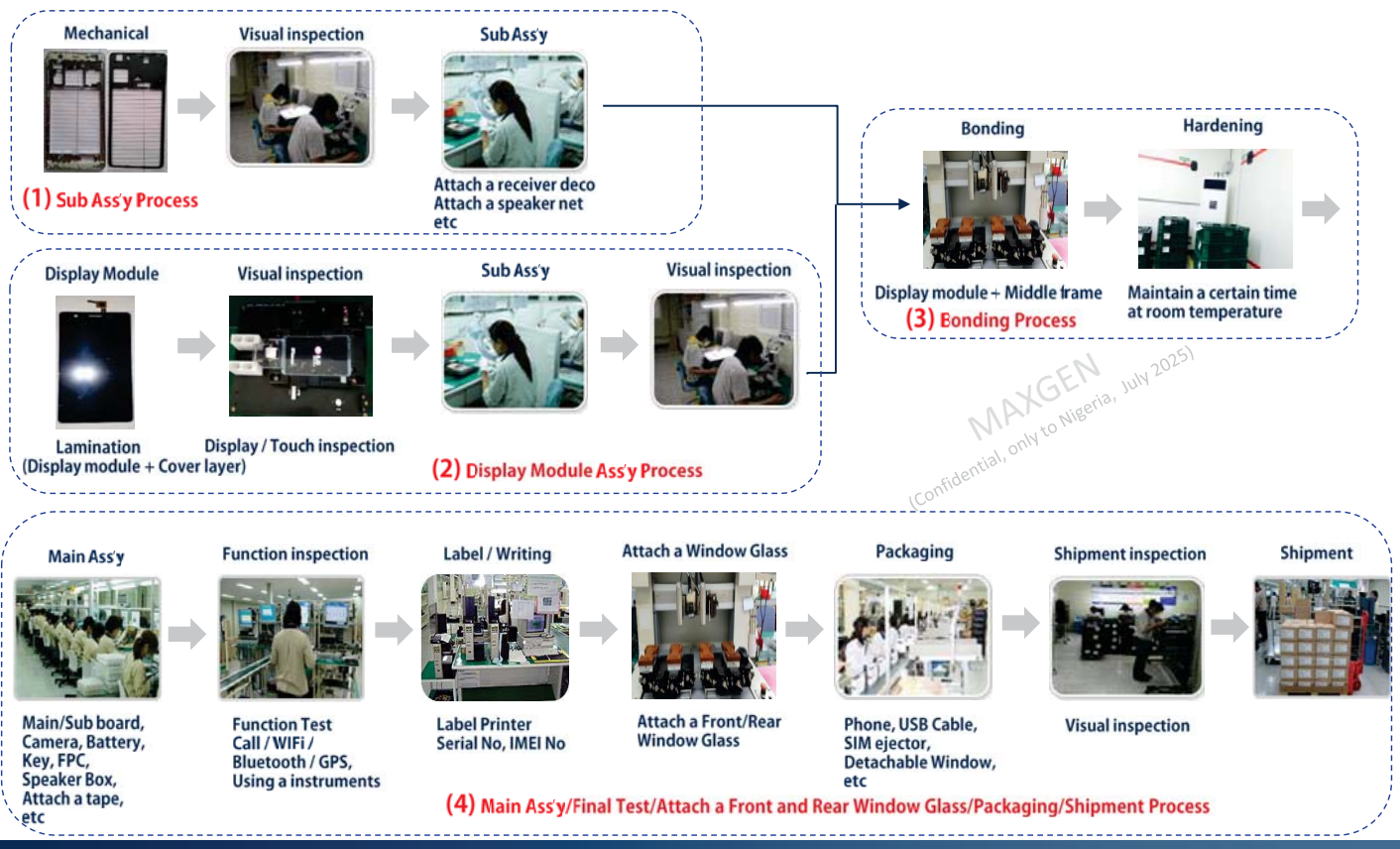
Production Factory in Korea (Final Assembly and Test of Base Phone)



MAXGEN Factory or Other Factory in Korea (Front and Rear Glass Printing, Attach a Front and Rear glass, Boxing and Shipment)



10. ■ Final Assembly Process Flow



Final Assembly and Test Line

10-1. ■ Sub Assembly Flow



Final Assembly and Test Line

10-2. ■ Bonding Flow : Display Module and Middle Frame



10-3. ■ Final Assembly Line



10-4. ■ Main Inspection Instrument



5G Wireless Communication Tester



WiFi Tester



Bluetooth Tester



GNSS Tester



Bonding Machine



Window Press Machine



Shield Box



Power Supply



Label Printer



Battery Charging Machine



GPIB-USB

11. ■ Assembly and Test Line Set-up Budget

1. Step by Step (Step 1, Step 2, Step 3)

- 1) Main instrument and Equipment, JIG
- 2) Main facilities cost of Final Assembly Line
- 3) Manpower Composition

- ※ Excluding a SMD Line and SMD Main facilities
- ※ Depending on the time of order, the main facility costs changes.
- ※ Depending on the process's Track Time, Change in content below
 - 1) Quantity and Cost of Main Instrument/Equipment/JIG
 - 2) Manpower

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Step 1. 10,000 pcs / Month

MAXGEN (KOREA)

Nigeria Company

ESG-Smartphone Supply

Import and Sales in Nigeria



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- Various Design Smartphone
- No Repair Costs
- Low-Carbon : ECO-Friendly

Final Assembly and Test Line

Step 2. 30,000 pcs / Month

MAXGEN (KOREA)

Nigeria Company

Base Smartphone Supply

Made in Window Glass & Design in Nigeria

Assembly : Base Phone + Window Glass



Base Phone
(Base Smartphone without Window Glass)



Final Assembly and Test Line

Step 3. 50,000 pcs / Month

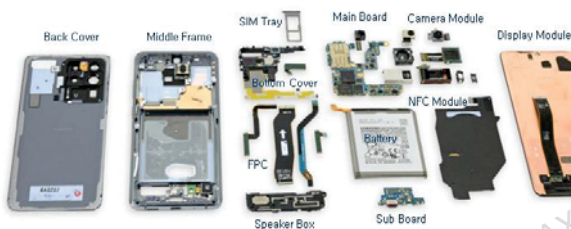
MAXGEN (KOREA)

Nigeria Company

Parts of Smartphone Supply

Base Phone Made in Nigeria

ESG-Smartphone Made in Nigeria

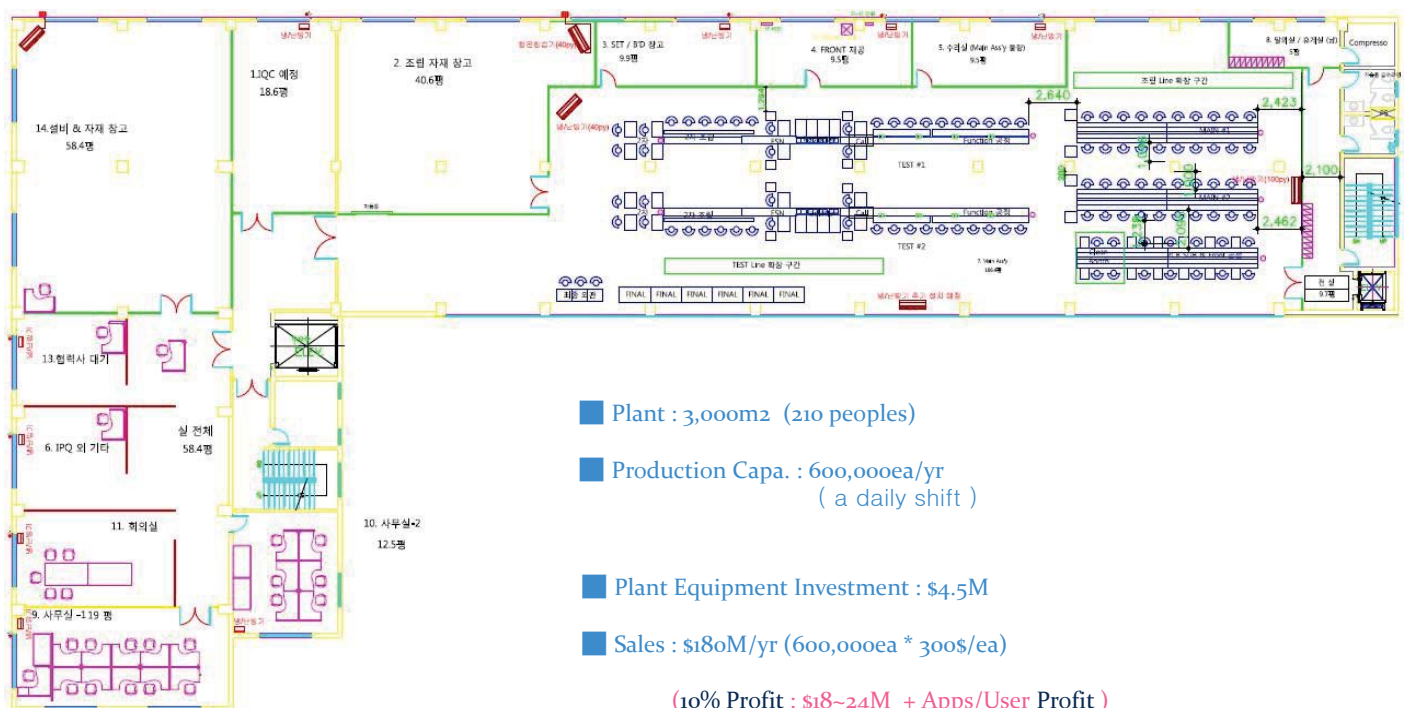


11-1. Expected manpower requirement

Standard : 8 hour/Day, 22 day/Month, 2,300 pcs/Day, 50,000 pcs/Month

	Department	Number	Remark
Management	Factory manager	1	
	Business management	3	
	Production/Material/Quality Control	6	
		10	
Production	Material Inspection	15	Display Module, Camera Module, Battery, Speaker Box, Receiver
	Bonding and Hardening	6	Display Module + Middle Frame
	Final Assembly	57	Main/Sub board, Camera Module, Battery, FPC, Speaker box, etc
	Final Test, Labeling, Writing	46	Call, WiFi, Bluetooth, GNSS, NFC Test, Labeling, Writing
	Front Glass Printer Machine	32	
	Back Glass Printer Machine	32	
	Packaging, OQC	12	Packaging, Visual inspection, Shipment
		200	
Total (people)		210	

11-2. Layout



Thank you!