



Afrimedical

Manufacturing & Supplies

www.afri-medical.com



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WHO WE ARE

The need for medical solutions in Nigeria led to the establishment of AFRIMEDICAL Manufacturing & Supplies Limited in 2019.

AFRIMEDICAL, a sister company to Mikano International Limited has a portfolio of medical consumables & equipment manufactured to help protect people against virus-related diseases, support the fight against any health pandemic and to help prevent the breakout of any future viruses.

Afrimedical has also developed a product line which includes;

Sterile Hypodermic and Auto Disable Immunization Syringes for single use following WHO & ISO guidelines, with NAFDAC, SON & MANCAP approvals.

We offer state of the art 360° sanitizing devices such as the Smart Sanitizing Tunnel, Smart Sanitizing Frame and Compact Sanitizing Tunnel, as well as Disposable Surgical and KN95 Facemasks.

We have established a state of the art factory and clean room environment for the development and manufacturing of medical consumables & equipment.





QUALITY POLICY

Afrimedical Manufacturing and Supplies Limited is committed to providing quality Hypodermic syringes that meet our customer's requirements through measurable objectives set at Corporate and Department levels, which are reviewed periodically to ensure its continued suitability. These services are provided with commitment to the requirements of both the ISO 9001:2015, ISO 13485:2016 standards and our customers while ensuring responsibility and commitment towards continual improvement of the effectiveness of the Quality Management System.

The Management of Afrimedical Manufacturing and Supplies Limited is committed to:

Understanding present and future needs of our internal and external customers, striving to exceed their requirements and maintaining good relationship.

Insisting on operational excellence in our facilities.

Supplying exceptionally reliable products.

Complying with relevant statutory and regulatory requirements and endeavor to maximize customer satisfaction with the services provided

Continually improving the QMS by ensuring that the ability to enhance customer satisfaction is determined and addressed.

Signed

Firas Mamlouk
Managing Director
23rd June, 2023.

Mission & Vision

Our Mission

To produce and provide medical related products that improve the quality of life for the African population health, with a guarantee of quality and efficiency, contributing to its greater accessibility.

Our Vision

To be a Nigerian company with operational intelligence and technological capacity that allows us to be highly competitive, matching international standards.





Karameh Industrial City

Afrimedical has established a new plant with WHO and ISO standard clean room environment for manufacturing and development of its medical products.

A fully automated syringe factory which is currently the biggest in Africa with a production capacity of 1.8 billion Syringes per annum. It has a surface of 20,000sqm, and it is located in Karameh Industrial City 1b Western Avenue, sitting on a 120,000sqm space, along Lagos - Ibadan Expressway, Isheri-Ifo Local Government.



The Afrimedical Factory

- The Afrimedical Factory manufactures syringes and needles in a standard Industrial clean room environment, with continuous air quality and particle monitoring, with very strict hygiene requirement for employees and visitors.
- The syringes and needles are packed together in peelable units after the sterilization process carried out by an Electron Beam that ensures 100% sterile hypodermic syringes. All proudly made in Nigeria. Even though all production steps are equipped with integrated automated quality control and mechanical checks, our in-house laboratory will randomly carry out a series of test on samples from each production batch for leakage, needle testing, printing integrity, packaging, sterility etc.
- The design, construction, supply, qualification and operational validation processes of the AFRIMEDICAL Plant is based on the following underlisted key international standards and guide lines for good manufacturing practices and others:
 - **ISO standards:**
 1. ISO 13485: Medical Device Quality Management Systems
 2. ISO 7886-1: Sterile hypodermic syringes for single use.
 3. ISO 7864: Sterile hypodermic needles for single use.
 4. ISO 9001: 2015 – Quality Management Systems
 - **WHO (World Health Organization) guidelines:**
 1. GMP - Good Manufacturing Practices
 2. GLP - Good Laboratory Practice
 3. GAMP - Good Automated Manufacturing Practice



Afrimedical Products

With an array of top-notch quality made in Nigeria Medical Consumables & Equipment such as:

01

Afriject

Sterile Hypodermic Syringes.
Auto disable Immunization
Syringe.

02

Afrimask

Surgical facemask & KN95 Facemask

03

Sanitizing Tunnels

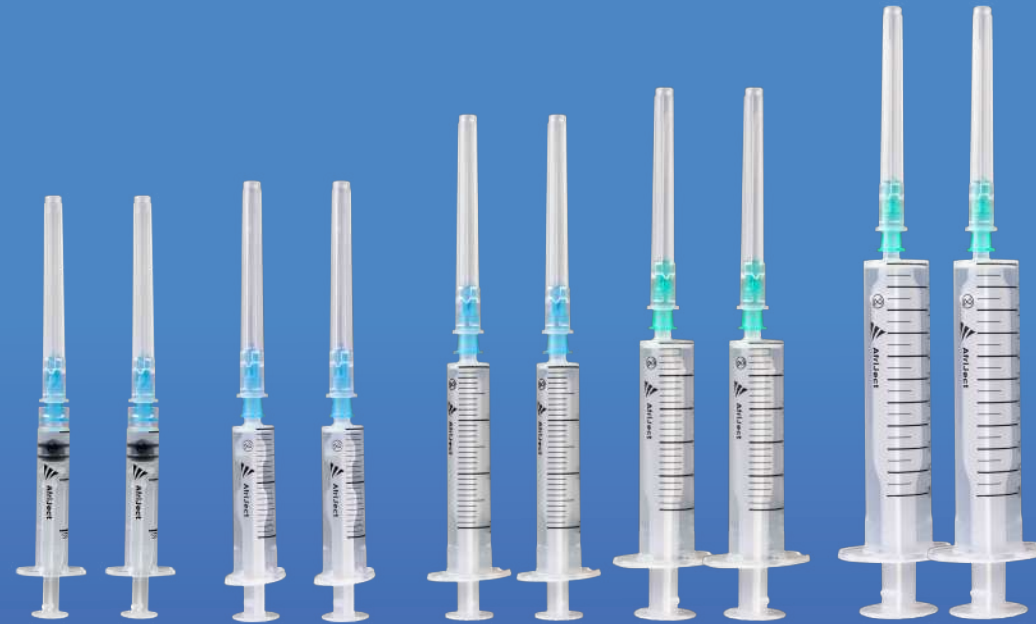
Smart Sanitizing tunnels
Smart Sanitizing frames

Afriject Syringes



Afriject Syringes

Luer slip, Non toxic, Sterilised with Electron Beam.



Manufactured using medical grade raw materials, with 30% less plastic and employs the latest Electron beam sterilisation technology



Afrimedical is an ISO 13485:2016 (Medical Devices Management Systems) & ISO 9001:2015 (Quality Management Systems) Certified Company

LUER SLIP SYRINGE WITH PRE-ATTACHED NEEDLE

Reference	Capacity	Description			Scale Graduation	Box (Units)	Case (Units)
		Syr. Cone	Gauge	Length			
5001	0.5ml	Centric	23G	1"	0.5ml	100	1200
5002	2ml	Centric	23G	1¼"	0.1ml	100	1000
5003	3ml	Centric	23G	1¼"	0.1ml	100	1000
5004	5ml	Acentric	21G	1½"	0.2ml	100	1000
5005	10ml	Acentric	21G	1½"	0.5ml	100	1000



LUER SLIP SYRINGE WITHOUT NEEDLE

Reference	Capacity	Description	Scale Graduation	Box (Units)	Case (Units)
5001	0.5ml	Centric cone	0.5ml	100	1200
5002	2ml	Centric cone	0.1ml	100	1000
5003	3ml	Centric cone	0.1ml	100	1000
5004	5ml	Acentric cone			

MATERIALS (All Medical Grade)

- Barrels..... POLYPROPYLENE
- Plungers.....POLYETHYLENE/POLYPROPYLENE (for 0.5ml)
- Gaskets..... LATEX FREE
- Needle..... STAINLESS STEEL AISI 304
- Lubricant.....SILICON OIL <0.25µg/mm²

NEEDLE

- Needle Hub.....COLOR CODED POLYPROPYLENE
- Needle Shield.....POLYPROPYLENE
- Bonding Agent.....UV BOND
- Lubricant.....SILICON OIL <0.25µg/mm²
- Box.....SOFT PAPER

PRINT: Permanent black type Ink.

LABELS: According to ISO Standard.



0.5ml Syringe

0.5ml Auto Disable Immunization Syringe: (3pc) Needle Lock. Fixed dose Syringe for immunization consisting of three parts; barrel, plunger (all made of medical grade plastic) and Gasket. The needle consists of three parts; the needle canula, the hub and the protector

STERILIZATION METHOD: Electron Beam System

Shelf Life: 5years shelf life.

- The products do not contain natural latex.
- Store in a dry and cool place. Do not leave exposed to strong light.

STANDARDS INFORMATION

- All Syringes meet the underlisted Standards:
- ISO 9001:2015 Certified
- ISO 13485:2016 QMS Medical Devices
- EN ISO 7886-1 & 7886-3 "Sterile hypodermic syringes for single use".
- SCALE MARKING- ISO standard.

QUALITY CONTROL:

Incoming raw material are verified via material inspection and/ or supplier certification. In addition to the automatic on-line inspections, in-process inspections are performed. They include visual inspection, dimensional checks and physical tests. Sample of finished products are microbiologically tested for sterility and endotoxins.



2ml Syringe

2ml Sterile Hypodermic Syringe - (2pc) Luer slip: The Syringe consists of two parts; barrel and plunger (both made of medical grade plastic). The needle consists of three parts; the needle canula, the hub and the protector



3ml Syringe

3ml Sterile Hypodermic Syringe - (2pc) Luer slip: The Syringe consists of two parts; barrel and plunger (both made of medical grade plastic). The needle consists of three parts; the needle canula, the hub and the protector



5ml Syringe

5ml Sterile Hypodermic Syringe - (2pc) Luer slip: The Syringe consists of two parts; barrel and plunger (both made of medical grade plastic). The needle consists of three parts; the needle canula, the hub and the protector



10ml Syringe

10ml Sterile Hypodermic Syringe - (2pc) Luer slip: The Syringe consists of two parts; barrel and plunger (both made of medical grade plastic). The needle consists of three parts; the needle canula, the hub and the protector



Afrimask





KN95 FACE MASK

- 5 ply layer disposable face masks (2 non-woven layers + 2 melt blown layers + 1 cotton layer) with a unique high filter efficiency.
- Tight fitting and fluid resistant
- Standard ear loop fitting
- Dust proof
- One size perfect fitting
- Without glass fibres and also Hypoallergenic
- Facilitates easy and smooth breathing
- Not for Medical use
- Available in white colour only



SURGICAL FACE MASK

- 3 layer non-woven and melt blown fabric disposable face masks. (The melt blown layer is a filter cloth with bacteria prevention of up to 99% welded by ultrasonic wave).
- Suitable for Medical and Health Care.
- Nose bar adaptable and elastic ear loop to fit your face.
- One size perfect fitting.
- Fold in mask expands for full coverage from top of nose to underneath the chin.
- Without glass fibres and also Hypoallergenic.
- Facilitates easy and smooth breathing.
- Available in blue & black colours

SMART SANITIZING PORTFOLIO

AFRIMEDICAL'S Smart Sanitizing Tunnel, Smart Sanitizing Frame and Compact Sanitizing Tunnel. A portfolio of THREE (3) solutions, offering an automatic 360° disinfection barrier that kills 99.9% of germs and viruses Product exterior available in plain white or branded in Afrimedical logo & colours. Made in Nigeria in the Mikano Steel Factory.



All Our 360°
Sanitizing Devices
Include a 2 Year Warranty

100%
natural high-level
disinfectant

The fog nebulization in all our equipment comes from a 100% natural high-level disinfectant which is safe on the skin and eyes.

Smart Sanitizing Tunnel

360° disinfecting outdoor tunnel, with intelligent thermal camera and electric automatic hand sanitizer.

- Product exterior available in plain white or branded in Afrimedical logo & colours
- 2.3meter x 2.2meter x 1.2meter
- Equipped with wheels and Brakes
- Automatic 360° fog nebulization
- 100% Natural High-Level disinfectant and sanitizer, with 20 sanitizing spray nozzles
- Fast nebulization (decontamination procedure = 2 seconds facial recognition + adjustable 4 to 10 seconds sanitizing fog)
- No rotation needed.
- Automatic Hand Sanitizer
Instant Temperature Measurement/
Non-Contact Intelligence thermal Camera with facial recognition



Compact Sanitizing Frame

360° disinfecting indoor tunnel, with intelligence thermal camera and electric automatic hand sanitizer.

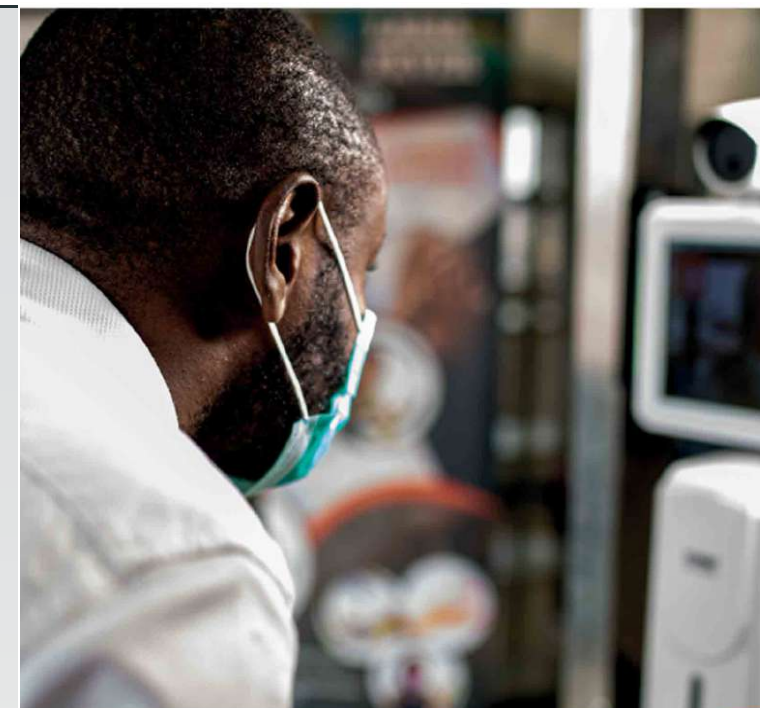
- 2.2meter x 1.2meter
- Automatic 360° fog nebulization
- 100% Natural High-Level disinfectant and sanitizer with 14 sanitizing spray nozzles
- Fast nebulization (decontamination procedure = 2 seconds facial recognition + adjustable 4 to 10 seconds sanitizing fog)
- No rotation needed.
- Automatic Hand Sanitizer
- Instant Temperature Measurement/
Non-Contact Intelligence thermal Camera with facial recognition



Compact Sanitizing Frame

360° disinfecting outdoor tunnel, without intelligence thermal camera or electric automatic hand sanitizer.

- 1.3meter x 1.1meter x 2.4meter
- 100% Natural High-Level disinfectant and sanitizer with 20 sanitizing spray nozzles
- Fast nebulization (decontamination procedure = 2 seconds facial recognition + adjustable 4 to 10 seconds sanitizing fog)
- No rotation needed
- Automatic Hand Sanitizer



Intelligent Thermal Camera (Smart Sanitizing Tunnel and Smart Sanitizing Frame)

- Instant Non-Contact Intelligent Thermal Camera Facial recognition
- Body Temperature measurement and screening
- Alarm with sound for High Body individual detection
- Includes staff attendance monitoring system which completely substitutes the old finger print biometrics for offices
- Memory of 10,000 faces
- 11-inch-wide display
- 1080P Full HD video quality



Electric Automatic Hand Sanitizer (Smart Sanitizing Tunnel and Smart Sanitizing Frame)

- Automatic- No Contact
- Dispenser uses the 100% natural high-level disinfectant and sanitizer
- The sanitizer kills 99.99% of viruses, bacteria, mold, fungi and spores
- Incorporates sensor. Only after the individual uses the hand sanitizer will the fog nebulization initiate



Sanitizing Process Description

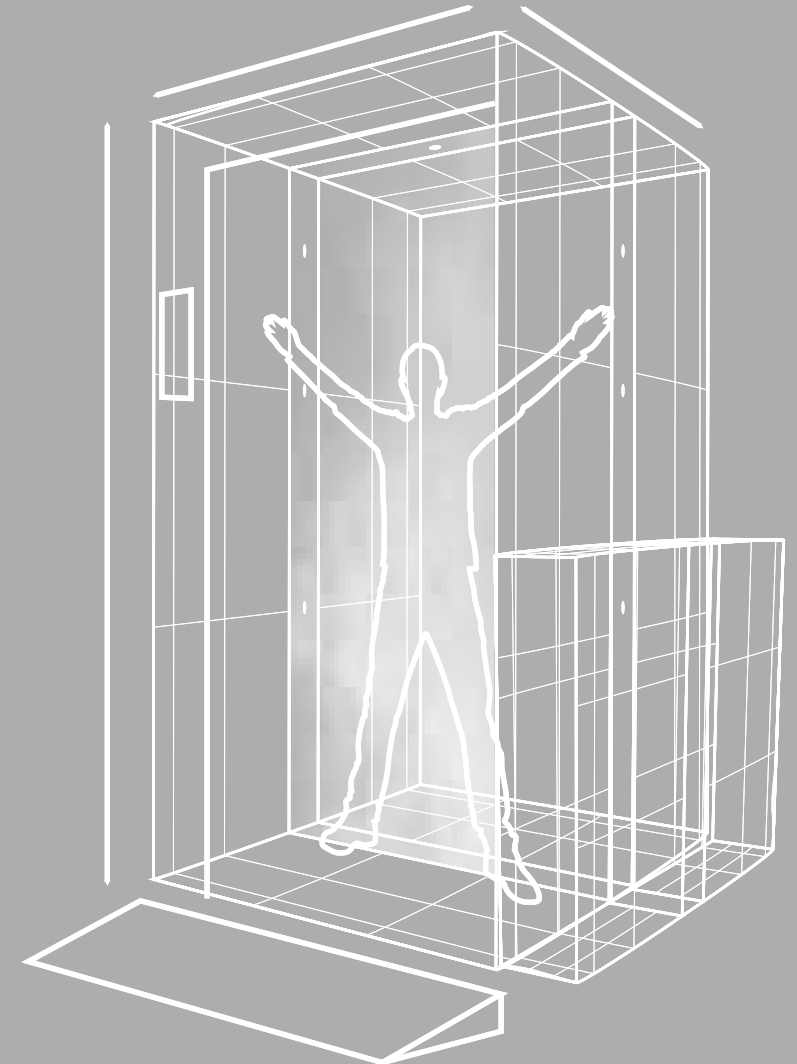
- Automatic 360° fog nebulization
- 100% Natural High-Level disinfectant and sanitizer
- 20 sanitizing spray nozzles (Smart Sanitizing Tunnel and Compact Sanitizing Tunnel) /14 spray nozzles (SmartSanitizing Frame)
- Fast nebulization (decontamination procedure = 2 seconds facial recognition + Adjustable 4 to 10 seconds sanitizing fog)
- No rotation needed
- Automatic Hand Sanitizer (Smart Sanitizing Tunnel and Smart Sanitizing Frame)
- Instant Temperature Measurement/Non-Contact Intelligent Thermal Camera with face mask facial recognition (Smart Sanitizing Tunnel and Smart Sanitizing Frame)

Fog Nebulization

Adjustable 4 to 10 seconds fog nebulization from a 100% natural high-level disinfectant which is safe on the skin and eyes.

Sanitizing Liquid Specifications

- 100% Natural High-Level disinfectant and sanitizer
- Non-irritant
- Non-toxic
- Non-inflammable
- Non-corrosive
- Non-alcoholic
- Kills 99.99% of germs
- Corona Virus tested and approved according to BS EN 14476
- Safe on the skin and eyes
- Child Friendly
- Eco-Friendly



How Does the Drum inclusive Sanitizing Liquid Work



200 Liters Drum inclusive

200 Liter barrel inclusive in the purchase of each sanitizing device. This drum can serve between 5,000 to 10,000 individuals according to the selected preferences.

The 4 seconds Mode will consume 20ml and will serve 10,000 individuals.

The 6 seconds Mode will consume 30ml and will serve 7,500 individuals.

The 8 seconds Mode will consume 40ml and will serve 5,000 individuals.



100% NATURAL

Balanced combination of oxidants, including potent and naturally occurring compound of Hypochlorous Acid (HOCl) Directly damages the cell membrane of the bacteria, thereby destroying the structure and killing the bacteria. Oxidizes proteins, destroys the virus structure and kills it.

Our Value Chain

Our products are Class II medical devices. While they are said to be of greater risk to patients than the Class I devices, we have made sure that such risks are greatly minimized. At different steps of our operations, we ensure that key details are covered as part of our final offerings.

Our value chain is strong and designed to work, building a strong relationship with us as a company, the health care products we manufacture, the distributors, the group purchasing organizations, and the hospital customers and end users of those products.

- Enhanced patient outcomes
- Enhanced patient experience
- Enhanced efficiency.

Sourcing

Our products are manufactured with internationally acquired components from our wide list of partners; which ensures that they can be made easily available to medical professionals and institutions within Nigeria and Africa.



Manufacturing

We possess technology that uses 30% less plastic for production than other processes practiced currently.

With a fully automated process, our products are manufactured adhering to best practices, using the advanced E-Beam Sterilization Technology.



Distribution

Our Afrimedical factory is one of the biggest in Africa; with a manufacturing capacity of around 1.8 billion hypodermic syringes a year. Products are of very high quality and readily available.





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Videos in links: https://drive.google.com/file/d/1K-ZQzTfsHrmcc4GXBWE9R1nZOVHPPw_i/view?usp=sharing