



BNX Converting LLC. Solutions Brief

Supply of N95 Respirator Face Masks
Area of Interest (Aol)

2021

CAGE Code: 8T7Z3

DUNS number: 117714784

NAICS: 339113, 423450, 561990, 624230

Socio-Economic Status: Small Business

CONTACT

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BNX Converting LLC.

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77084



Company Overview

BNX Converting was launched in 2020 by Amcrest, which has been involved in the manufacture and distribution of security cameras since 2010.

BNX Converting is a limited liability company that was founded in Houston, Texas in order to support the public response to the COVID-19 outbreak.

Our goal is to supply frontline workers, government employees as well as the general public with high-quality, American made masks at an affordable price.



Purpose

Introduce BNX Converting, LLC (BNX) capabilities and solutions that will fulfill requirements, close capability gaps, and provide potential technological advancements in support of the COVID-19 Response Acquisition Task Force (DAF ACT) mission to provide relief, resilience, recovery, and stability to the nation in response to the COVID-19 pandemic.

Adam Ravat

CEO of BNX Converting LLC.

Guangli Ma

Mechanical Engineer

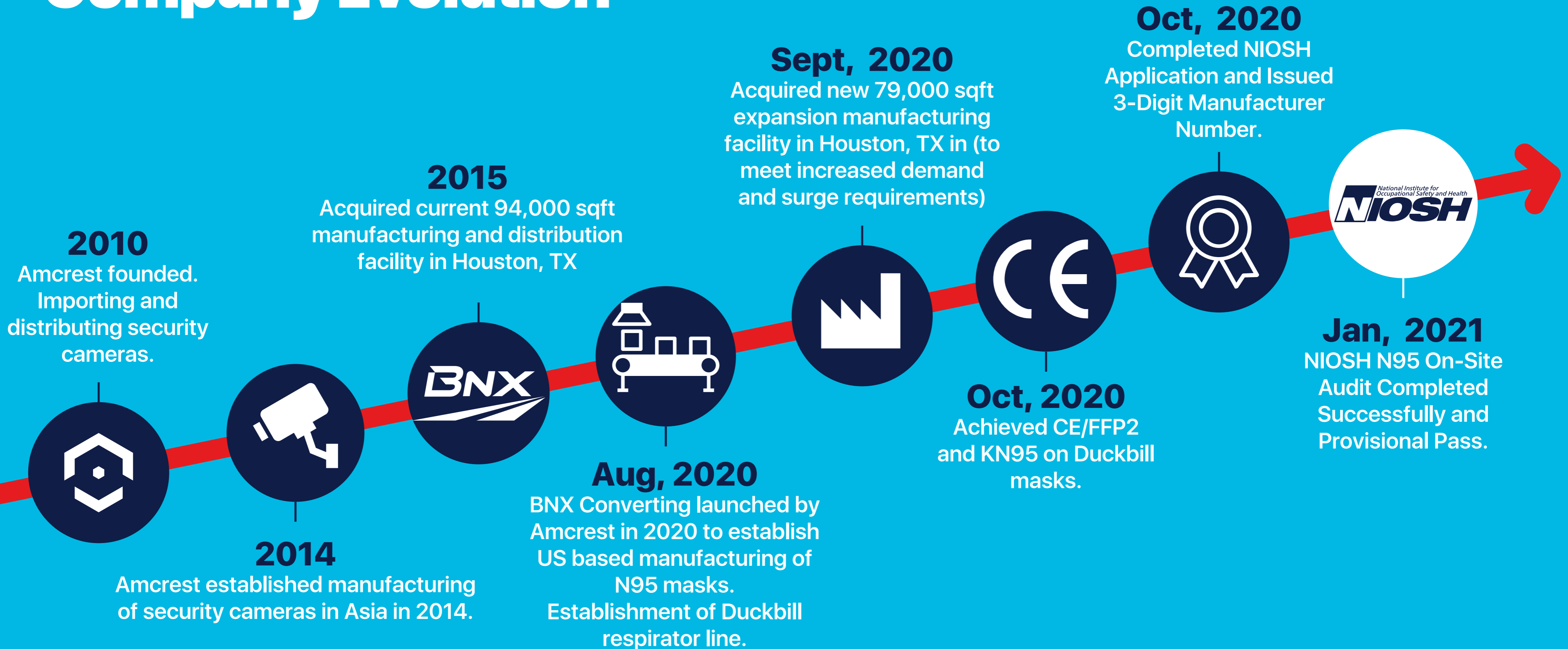
Bismark Wong

Mechanical Engineer

Rachel Leong

QC Lead I Mechanical Engineer

Company Evolution





Medical workers



Law enforcement



Hospitality workers



Teachers and Educators



Construction workers

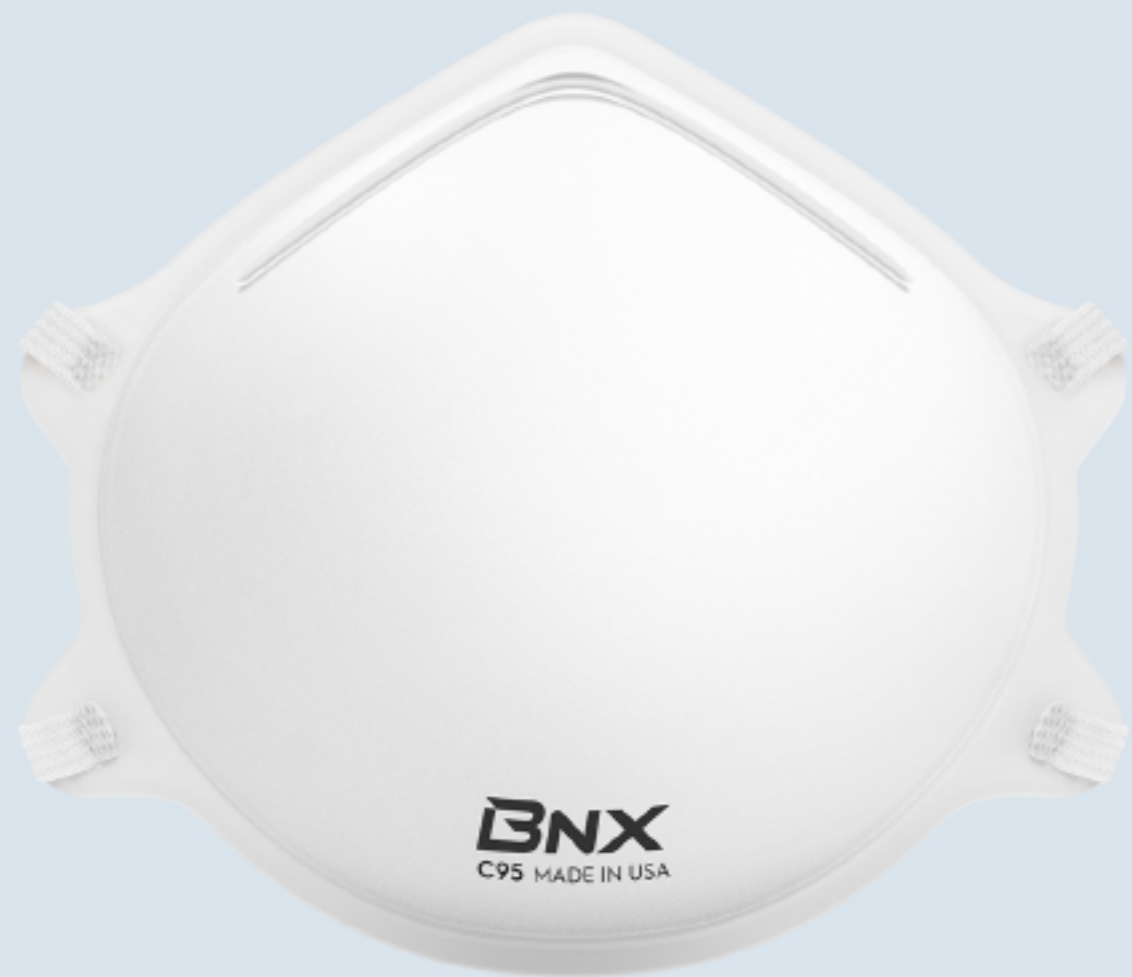
To assist healthcare providers, first responders and frontline workers in our nation's response to COVID-19



C95

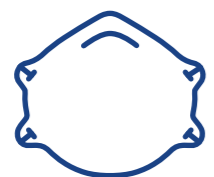
CUP STYLE RESPIRATOR MASKS

95% PFE Filtration / 99% BFE Filtration



Multi-Layer Protection

- Spunbond Polypropylene
- N95 Grade BFE99 Meltblown
- Needlepunched Polypropylene



CUP Style Design



Blocks 95% Of Airborne Particles



Headband Attachment



Adjustable Metal Nosepiece

H95 **VERTICAL FOLDING RESPIRATOR (HEADBAND)**
95% PFE Filtration / 99% BFE Filtration



Multi-Layer Protection

- Spunbond Polypropylene
- Hot Air Cotton Polypropylene
- N95 Grade BFE99 Meltblown
- Hot Air Cotton Polypropylene
- Spunbond Polypropylene



Vertical Folding Design



Blocks 95% Of Airborne Particles



Headband Attachment



Adjustable Metal Nosepiece

E95 **VERTICAL FOLDING RESPIRATOR (EARLOOP)**
95% PFE Filtration / 99% BFE Filtration



Multi-Layer Protection

- Spunbond Polypropylene
- Hot Air Cotton Polypropylene
- N95 Grade BFE99 Meltblown
- Hot Air Cotton Polypropylene
- Spunbond Polypropylene



Vertical Folding Design



Blocks 95% Of Airborne Particles

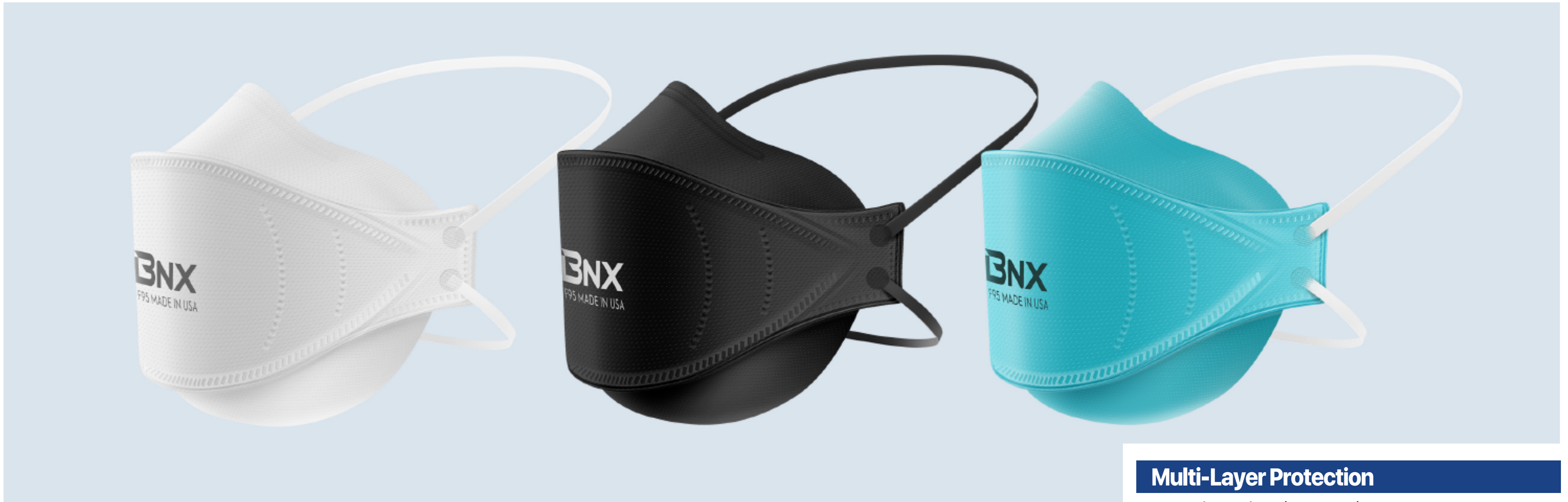


Earloop Attachment



Adjustable Metal Nosepiece

F95 **FOLDING CUP STYLE RESPIRATOR**
95% PFE Filtration / 99% BFE Filtration



Multi-Layer Protection

- Spunbond Polypropylene
- Hardshell Stiffer Polypropylene
- N95 Grade BFE99 Meltblown
- Spunbond Polypropylene



Folding Cup Style Design



Blocks 95% Of Airborne Particles



Headband Attachment



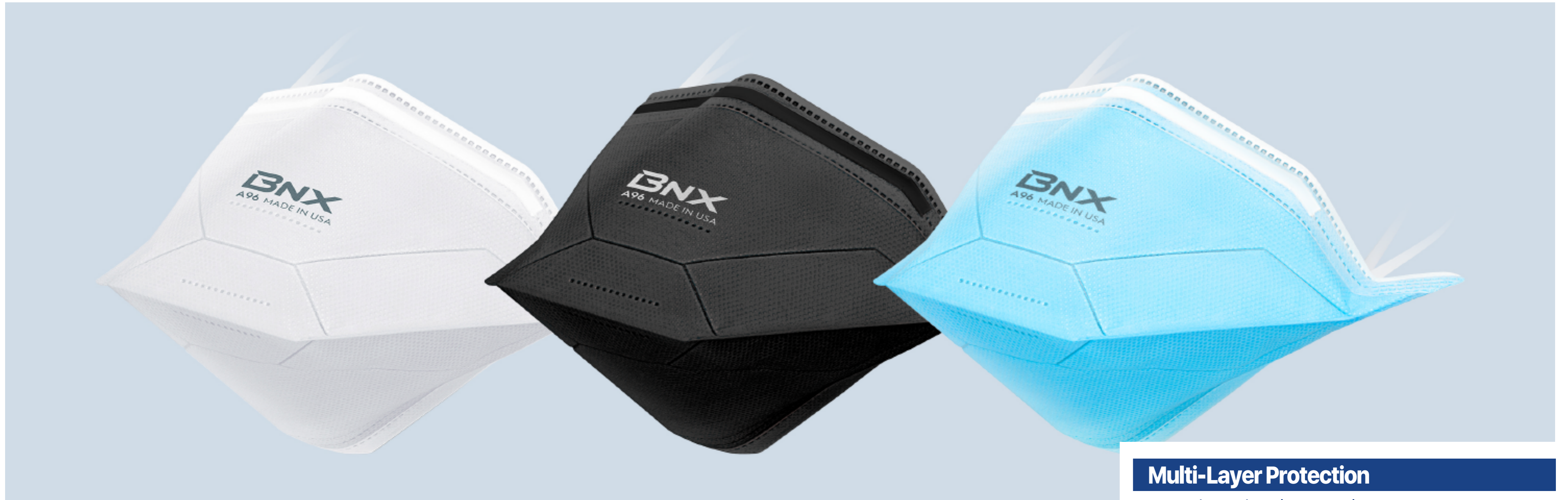
Adjustable Metal Nosepiece



A96-2

HORIZONTAL FOLDING DUCKBILL RESPIRATOR

95% PFE Filtration / 99% BFE Filtration



Multi-Layer Protection

- Spunbond Polypropylene
- N95 Grade BFE99 Meltblown
- Spunbond Polypropylene
- Hydrophilic Spunbond Polypropylene



Horizontal Folding Design



Blocks 95% Of Airborne Particles



Headband Attachment



Adjustable Metal Nosepiece

Quality, Safety, Innovation.

BNX's parent company, Amcrest, has been at the forefront of manufacturing security and safety products since its inception. BNX has leveraged this expertise and the necessary resources to fulfill its mission to manufacture the highest grade N95 NIOSH certified masks in order to support our great nation in response to the COVID-19 pandemic. BNX has a scalable and viable solution in place utilizing the highest grade materials, latest automated equipment as well as the talent, people, drive and unrelenting determination to fulfill our commitment.

01

Competitively priced with **highest level quality**

02

Made in USA. Currently employ 75 people in Houston, TX. Projected to add at least 160 new local jobs upon expansion.

03

Our focus is on automated manufacturing in the US

04

Large investment in automation of systems and processes, long term sustainability and viability in the US

05

Wide array of products (4 unique N95 mask styles) to fit faces of all shapes, sizes and preferences. We also have Earloop KN95 vertical folding and FFP2/CE versions for convenience



06

Manufacturing capacity, we can scale up to 8million+ masks per month based on our current facility and machines

07

Supports local US jobs and building up strategic medical manufacturing facilities in Houston, TX

08

Profits are being used to re-invest in further US manufacturing. We have meltblown line on the way and are setting up for Air filter and water filter manufacturing in Houston.

09

Vertical integration for most competitive pricing and direct control over quality of input materials. We will be producing our own meltblown (the active filter ingredient) **in our masks and thus we will be able to pass those cost efficiencies on to our customers**

10

We have invested in 2 x TSI 8130A filter testing machines for our quality control. We have a third equivalent machine on the way

11

We are in the process of implementing our ISO13485 quality control system and will seek surgical 510K rating on all of our N95 masks

12

We have completed our NIOSH on-site Site Qualification visit and have been successfully granted provisional authorization for the production of our Duckbill N95 respirator (pending our letter, which should be in the mail)

13

Operate out of a 94,000 sqft facility and acquired new 79,000 sqft adjacent facility to meet increased demand and surge requirements



Current Production Capacity & Scaling Requirements

October 2020
Establishment of
Duckbill Mask Line
with capacity up to
680,400
masks per month

December 2020
Establishment of
Cup Mask Line
with capacity up to
567,000
masks per month

January 2021
Establishment of
Vertical Headband Mask Line
with capacity up to
1,134,000
per month

January 2021
Establishment of
Folding Cup Mask Line
with capacity up to
1,296,000
masks per month



Projected Production Capacity

Testing Capacity

