BIODOT
AN ATS COMPANY

# NANOlab™-PCR

# Do More with Less: Achieving High-Performance PCR at Low Reaction Volumes

The NANOlab™-PCR System is a purpose-built platform designed to automate and miniaturize PCR reaction setup. The system expands upon the capabilities introduced by the NANOlab platform by providing an intuitive workflow for low-volume PCR preparation while maintaining compatibility with standard PCR labware and chemistries.

## General Specifications

**Weight**
- 200 lbs.

**Dimensions (L x W x H)**
- 45” x 26” x 26”

**Nest Size / Dispense Area (L x W)**
- Nest size: 9” x 18”
- Dispense area: 8” x 16”

**Power Requirements**
- 120/240 VAC; 50/60 Hz

**Line Pressure Requirement**
- Clean Dry Air: 60 PSI minimum

## Dispense Head Configuration

- Four Disposable Tip Channels

## Dispense Modes

- On-the-Fly
- Step-and-Repeat

## Nest Options

- Total Number of Sites: 3

**Labware Selections:**

- MTP – 96 & 384 Well
- 0.3 mL Tubes (Fluidx, PIMS, or equivalent)

## Disposable Tip BioJet Specifications

**Dispensing Tip**

Total Dynamic Range: 50 nL - 13 µL
Orifice Diameter: 190 µm

**Individual Droplet Dispense CV%**

**DI water used*

- <2% CV at 50 nL and above
- <1% CV at 100 nL and above
- <0.5% CV at 1 µL and above