

# AR4000

## ASSEMBLY ROLLER

### FEATURES AND BENEFITS

#### Cost Effective

- Faster assembly of plastic housings in manufacturing process

#### Flexible

- Convenient handling for different housing sizes

#### High Quality

- Securely closes test strip housings

#### User-friendly

- Changeable roller pressure

#### Adjustable

- Speed control to allow different production speeds



BioDot's Assembly Roller AR4000 is a semi-automated conveyor driven module designed for the accurate and firm closing of a plastic housing containing a diagnostic test strip. The AR4000 proves its efficiency and productivity in the manufacturing environment through flexibility and speed. The optional manually adjustable guide-bar provides an extreme flexible fit for almost any housing size. The AR3000 can be adjusted to different speeds. The drive belt of the conveyor is constructed of non-slip rubber to allow processing most sizes of plastic housing.

The BioDot's Assembly Roller AR4000 is an excellent addition to semi-automate a test strip manufacturing process.

# AR4000 ASSEMBLY ROLLER

## SPECIFICATIONS

### Machine Size (W x H x D)

- 24 in x 11 in 14 in (61 cm x 28 cm x 36 cm)

### Conveyor Dimensions (W x D)

- 4 in (10 cm) x 24 in (61 cm)

### Maximum Conveyor Speed

- 15 in/sec (38 cm/sec)

### Maximum Roller Vertical Travel

- 0.55 in (1.4 cm)

### Maximum Parts Dimensions (H x W)

- 0.50 in (1.3 cm) x 4 in (10 cm)

### Nominal (Average) Part Dimension (W x H x D)

- 1 in (2.5 cm) x 1 in (2.5 cm) x 3 in (8 cm)

### Parts Per Minute

- 325 parts per minute (nominal part length/maximum speed)

### Applied Force (by Roller)

- 50 lb (222 N)

## OPTIONS

### Guide Bar

- Provides flexibility to close most plastic housings