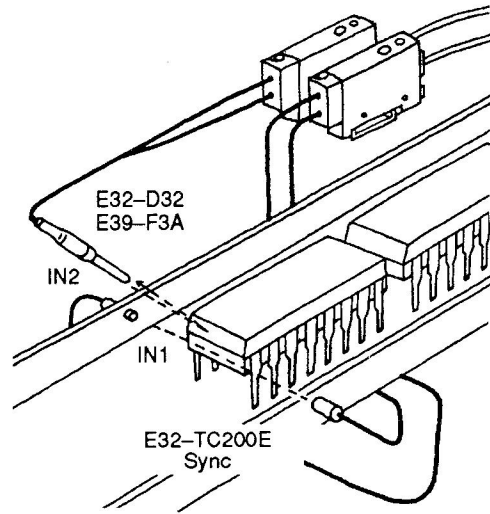
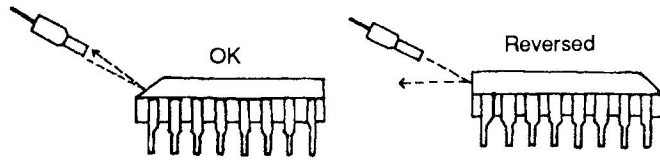


### 22 IC Orientation Determination (By Shape)

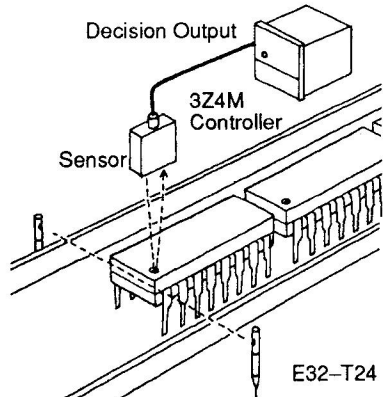
Determines the orientation of ICs by detecting the presence of light reflected from the surface of the IC (when the front of the IC is detected by the synchronized sensor). The Fiber Attachment E39-F3A provides a small spotlight for stable detection.



Fiber Optic Photoelectric Switch E3XR  
 Fiber Unit E32-D32  
 For Fiber Unit Synchronizing E32-TC200 (2 pcs.)  
 Miniature Spot Lens Unit E39-F3A

### 23 IC Orientation Determination (By Terminal Mark)

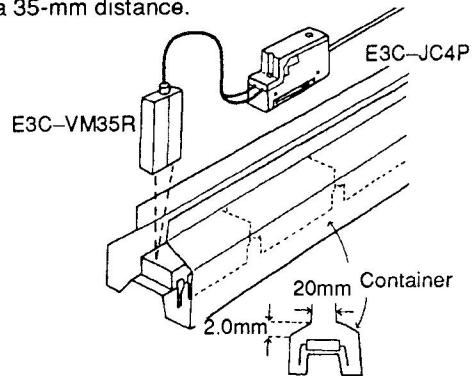
Laser Variation Meter. For terminal mark detection use 3Z4M.



Fiber Optic Photoelectric Switch (for sync) E3XR-CE4  
 Fiber Unit E32-T24 Amp Unit

### 24 IC Container (for internal counting)

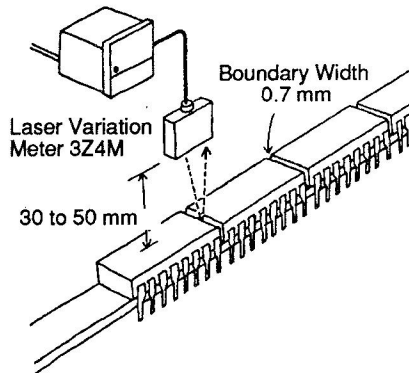
The E3C-VM35R spotlight has a diameter of 1 mm from a 35-mm distance.



Small Head Photoelectric Switch Separate Amp  
 Photoelectric Switch E3C-VM35R (Sensor)  
 E3C-JC4P (Amp)

### 25 Continuous IC Gap Detection

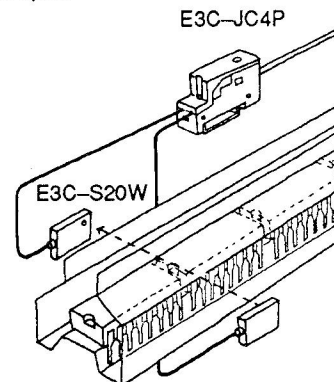
Detects slight gaps between ICs in rows. The analog detection method can detect minuscule gaps.



Laser Variation Meter 3Z4M  
 Linear Sensor Controller S3A2-AC

### 26 IC Stick Full Confirmation

With amplifier separated photoelectric switch for mounting in small spaces. Sensors are 2.8 mm thick.



Small Head Photoelectric Switch Separate Amp  
 Photoelectric Switch E3C-S20W(Sensor)  
 E3C-JC4P (Amp)