



According to Model

Brush motor    Brushless motor

Miniature screw    Precision screw    Machine screw

1.0 - 6.0 mm

DLV3100 Series    DLV3300 Series

Transformerless    Low Voltage

# DLV3100/3300 Series (For Automation) Non-CE

DLV3100 series    DLV3300 series



## Features

### A Labor-Saving "delvo" for Automatic Assembly Robot

- Vibration-proof and shock-proof for long continuous screw tightening
- Torque-up signal output
- High repetitive torque accuracy

1: Models DLV3121 / 3131 / 3141 / 3151 have no bit-holding function. Please order the following models with bit holding function if required, but they require 100 V AC power source and are made to order products.

- DLV3128-EJN    • DLV3138-EJN
- DLV3148-EJN    • DLV3158-EJN

NOTE: The bit mounting is made in a specific way.

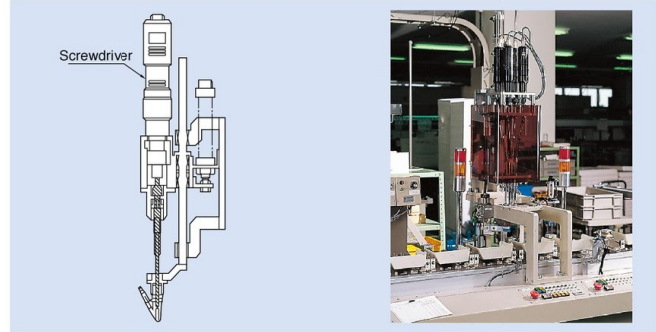
## Specifications

|                      |   | For Precision Screws               |                        | For Machine Screws     |                        |                         |                         |
|----------------------|---|------------------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|
|                      |   | DLV3321-CMN                        | DLV3331-CMN            | DLV3121-EJN*1          | DLV3131-EJN*1          | DLV3141-EJN*1           | DLV3151-EJN*1           |
| Electric Screwdriver | Input Voltage   | 36 V DC (supplied from controller) |                        | 100 V AC, 50/60 Hz     |                        |                         |                         |
|                      | Torque Adjustment   | Stepless                           |                        |                        |                        |                         |                         |
|                      | Torque (Nm [lbf-in])  | 0.05 - 0.5 [0.4 - 4.4]             | 0.3 - 1.2 [2.7 - 10.6] | 0.25 - 0.7 [2.2 - 6.2] | 0.5 - 1.5 [4.4 - 13.3] | 1.2 - 3.0 [10.6 - 26.6] | 2.0 - 4.5 [17.7 - 39.8] |
|                      | Free Speed (min <sup>-1</sup> )                               | 900                                | 600                    | 900                    |                        | 600                     | 450                     |
|                      | Power Consumption (W)   | Approx. 35                         |                        |                        |                        |                         |                         |
|                      | Screw Size (mm)   | Machine Screw: 1.0 - 3.0           | 2.0 - 3.5              | 2.3 - 2.6              | 2.6 - 3.5              | 3.5 - 5.0               | 4.5 - 6.0               |
|                      | Tapping Screw (mm)  | 1.2 - 2.6                          | 2.0 - 3.0              | 2.3 - 3.0              | 2.5 - 3.5              | 3.0 - 4.0               | 4.0 - 5.0               |
| Mass (g [lbs])       | 400 [0.88]  |                                    |                        | 900 [1.98]             |                        |                         |                         |
| Standard Accessories | • Connection Cord (2 m): 1 pc.    • Spare Carbon Brush: 2 pc. |                                    |                        |                        |                        |                         |                         |
| Bit Type (mm)        | For CMN   |                                    |                        | For EJN                |                        |                         |                         |
|                      |   |                                    |                        |                        |                        |                         |                         |

\* The 2 m cord exclusively for DLV3321/3331 comes with DLC3310 as a standard accessory.

| Controller     | DLC3310           |
|----------------|-------------------|
| Input Voltage  | 24 V AC, 50/60 Hz |
| Output Voltage | 36 V DC           |
| Mass (g [lbs]) | 360 [0.79]        |

## Installation Example



## External Dimensions

•DLV3321/3331    •DLV3121/3131/3141/3151

•DLC3310 (Optional)

unit: mm [inch]