



Horizontal Articulated Robot

# LPH series

**DENSO**

**High-performance,  
low-priced,  
compact and light weight  
SCARA Robot!**



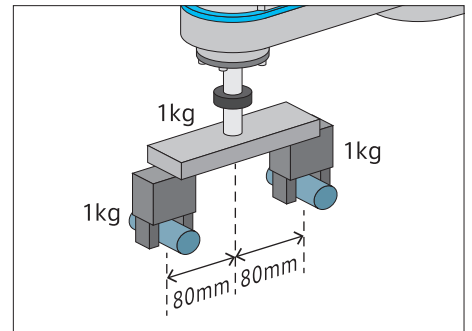
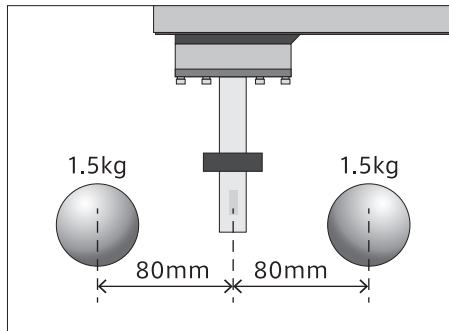
|                        |         |
|------------------------|---------|
| Maximum arm reach      | 400mm   |
| Maximum payload        | 3kg     |
| Position repeatability | ±0.02mm |
| Mounting orientation   | Floor   |

## Features

### Gripper Design with High Degree of Freedom

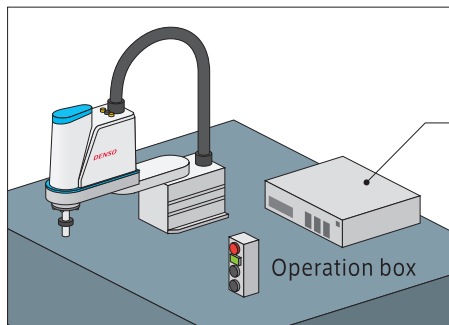
The maximum moment of inertia of the T-axis is large in order to provide a gripper design with a high degree of freedom.

\* Also supports use in other configurations including in an overhanging position.



### Reduction in Work Time without the Use of PLC

The robot and surrounding equipment can be controlled together according to the purpose through use of the high-performance controller RC8 function. This feature realizes a total cost down for equipment.



```

"TITLE" TSRO"
PROGRAM TSRO

DO
  RobState = SYSSTATE
  DELAY 1
  IF (RobState AND GhOCIF) = Gh0818 THEN RobotInit
  = 1 ELSE RobotInit = DELAY 1
  IF (RobState AND GhOCIF) = Gh081C THEN RobotCondi
  = 1 ELSE RobotCondi = 0
  DELAY 1

```

Privilege Task Function

### Enables Control from PLC with No Programming Knowledge Required

Utilizing the command-slave function provided as a free option enables the direct control of the robot from PLC through the Function Block (FB) feature that supports 107 types of robot commands that can be openly programmed from PLC. This feature allows adjustments to be performed with only PLC knowledge without needing to create programs on the robot side, to realize a reduction in work time for initial adjustments at the start of use.