LINEAR MOTOR and DIRECT DRIVE MOTOR

Linear motor with core

1SL type, 2L type, 3L type

Due to the existing double-sided structure and KOVERY's original core design
New concept Linear Motor development

KOVERY's Linear MOTOR

Core
Coil
Magnet
Stator
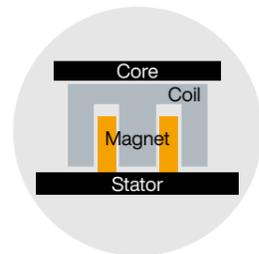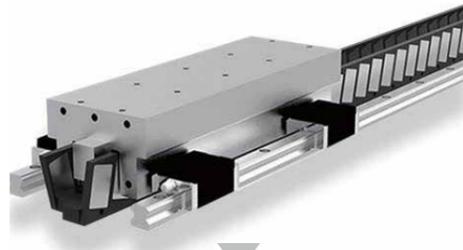
Vertical arrangement of permanent magnets > Magnetic attraction cancellation

1SL-PP type

2L-PP type

3L-PP type
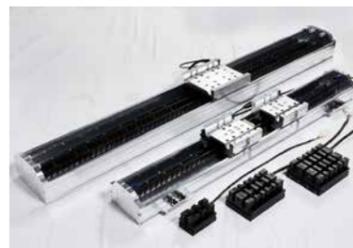
Linear robot

Features

1 ### Optimal for ultra-precision positioning linear drive with core

By canceling the magnetic attraction with the vertical arrangement of the permanent magnets, the burden on the support mechanism is reduced and nanometer-class ultra-precision positioning is possible.

2 ### Providing customers with easy-to-use linear motors

By canceling the magnetic attraction force, the deformation of the device due to the magnetic attraction force is small, the degree of freedom in structural design of the XY stage is high, and the assembly work and handling are easy and convenient.

3 ### High degree of freedom in motor capacity selection

Our unique motor design combination supports from 30 N to 20000 N. Securing the number of world-class motor models (more than 50 models, custom models can be handled promptly)

4 ### Easy realization of ultra-high speed drive

By canceling the magnetic attraction force, the noise and vibration of the LM Guide is small, and ultra-high speed drive (5 m / sec, or more is possible) can be easily realized.

Application Sample

Linear motor (100% in-house production)

Amp & Scale (Co-development and purchase)

1-axis stage / XY stage

Printed circuit board three-dimensional inspection equipment

Mobile phone camera assembly equipment

Smartphone / semiconductor inspection equipment
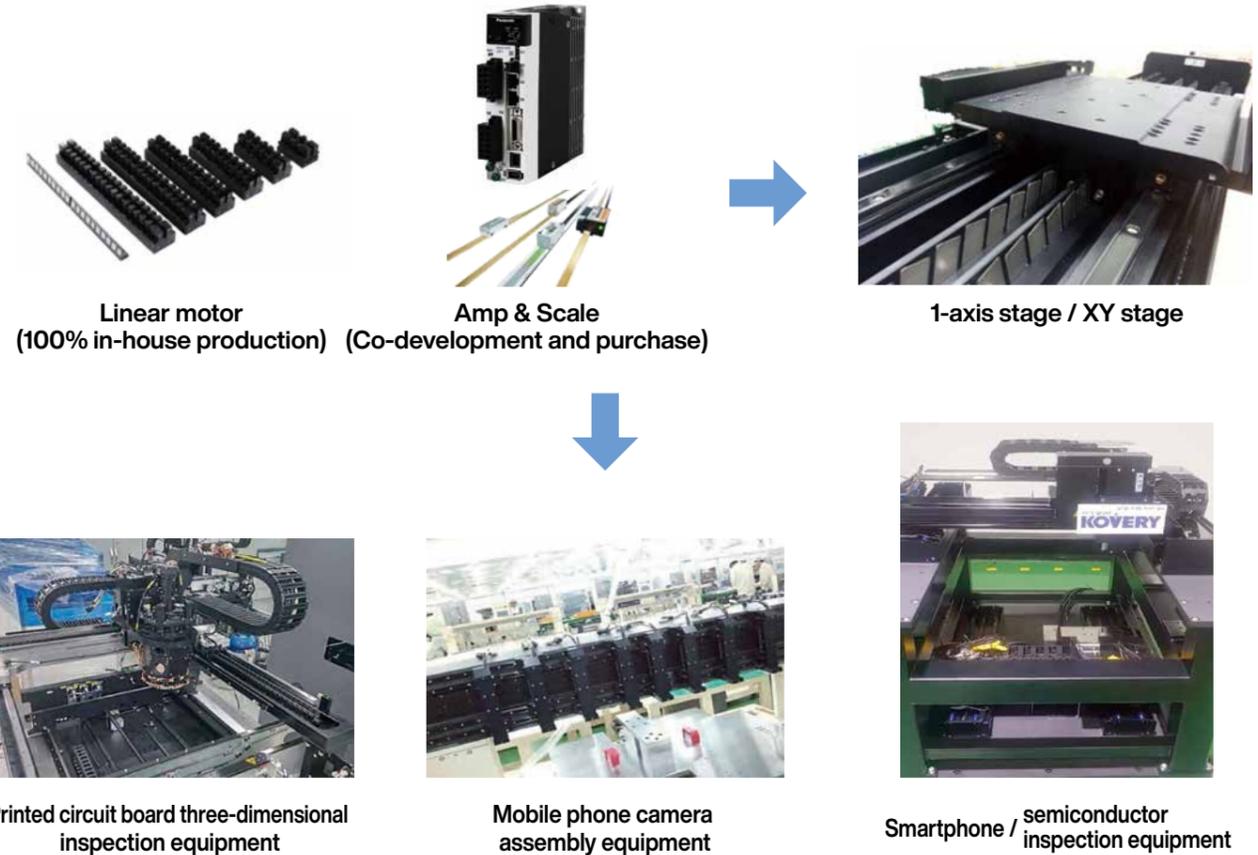
Others

● We can design and manufacture up to XY stages equipped with KOVERY motors.
● We can design and manufacture various linear servo system configurations.
● Promptly responds to required specifications not found in standard motor models

Sales area

● Japan   ● United States of America
● Canada

Language

● English   ● Japanese

For more information

URL : http://www.kovery.com/

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