

PCL50 AND PCL65 PRECISION LINEAR MOTION FOR PROTOTYPES AND PRODUCTION

PRIMATICS.COM

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High Precision for Production

The PCL50 and PCL65 linear stages offer micron level repeatability and accuracy for 24/7 operation. They integrate a precision ballscrew drive with long lasting recirculating ball linear bearings into a compact package for any application. High reliability makes the PCL50 or PCL65 ideal for any production environment.

Fast Delivery for Prototypes

Many models of the PCL50 and PCL65 are available from stock for your prototype project. These are not reduced performance models; they are the fully specified production ready models. Two week delivery is available for most models.

Starting at under **\$2500**, precision motion with fast delivery is available at a great value.

Flexible Configurations

Parameter	PCL50	PCL65
Travel (mm)	50 to 400	50 to 600
Payload (kg)	25	60
Repeatability (µm)	+/- 1	
Drivetrain - Class 5 ground ballscrew	5mm lead 10mm lead optional	
Limit Sensors	Forward and Reverse	
Coupling (in.)	1/4 and 3/8	
Motor Option	NEMA 23 servo motor with 4000 line encoder	
Dimensions (mm) H x W x L	50 x 110 x Travel+193	65 x 160 x Travel+251

Directly stack PCL50 on PCL50 at 100mm tall
Directly stack PCL50 on PCL65 at 115mm tall
Directly stack PCL65 on PCL65 at 130mm tall

Need More Information?

Call us at 541.791.9678

Email: info@primatics.com

Or visit primatics.com to access full datasheets, manuals and CAD drawings.



PCL50x200 STACKED ON PCL65x300

MODEL CONFIGURATION

Example: **PCL65 AL 0200P D1 L1 C2 M2 P1**

Model Series

PCL50
PCL65

Base Material

AL: Aluminum

Travel and Grade

0050P: 50mm, Precision
0100P: 100mm, Precision
0200P: 200mm, Precision
0300P: 300mm, Precision
0400P: 400mm, Precision
0600P: 600mm, Precision [PCL65 only]

Drivetrain

D1: 5mm lead ballscrew
D2: 10mm lead ballscrew

Limit Sensors

L1: N.C., Current sinking
L2 :N.O., Current sinking

Motor Coupling

C1: none
C2: 1/4 inch
C3: 3/8 inch

Motor

M1: none
M2: Brushless Servo w/ 4000 line encoder

Protection

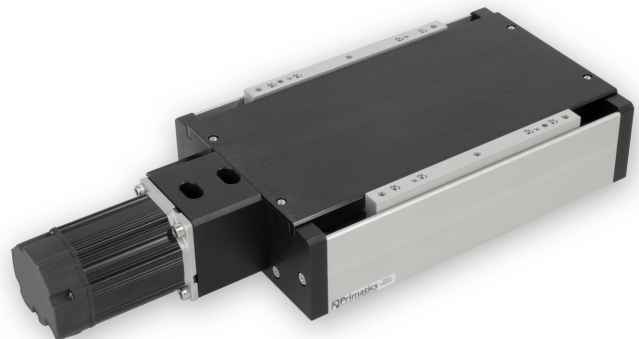
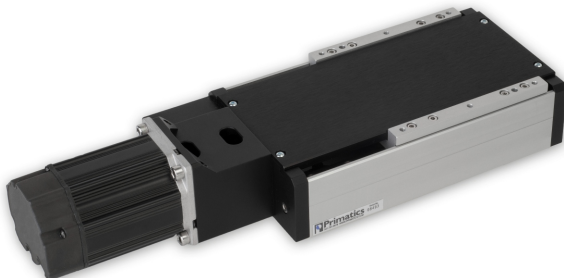
P1: Hardcover

Customization

(Blank): no options
-B: Failsafe brake.

Consult factory for linear encoder options

Not all configurations are valid - consult factory for assistance



PCL50x50 WITH SERVO MOTOR OPTION

PCL65x50 WITH SERVO MOTOR OPTION