

Multiple Position Electric Cylinder PULMORE ΣC SERIES

This electric cylinder is ideal for applications which require multiple positions. The ultra compact design incorporates an Acme lead screw with a 1.8° high torque stepping motor. When used with the MCD-100 Controller Unit, the system offers highly accurate, yet flexible positioning.

- **Excellent for Multiple Positions**
- **Fully Automatic**
- **High Resolution**
- **High Speed Capability**
- **Space Saving Design**
- **OEM Configurations Available**
- **Cost Effective**



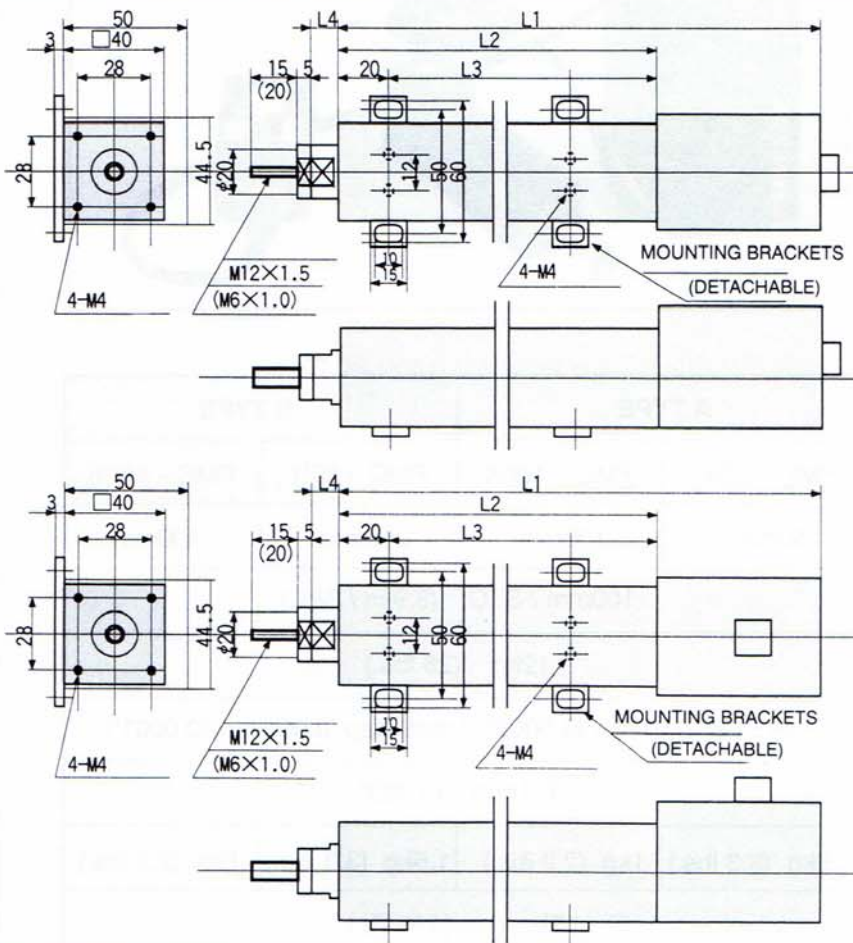
Cylinder (PMC) Specifications

	A TYPE		B TYPE	
PART NUMBER	PMC – 50A	PMC – 100A	PMC – 50B	PMC – 100B
STROKE LENGTH	50mm	100mm	50mm	100mm
MAXIMUM SPEED	100mm / SEC (3.9 in / SEC)			
MAXIMUM THRUST	12kg (26 lbs.)			
RESOLUTION	Full Step 0.01mm (0.0003") / Half Step 0.005mm (0.0001")			
REPEATABILITY	±0.1mm (0.003")			
MAXIMUM OVERHANG LOAD	1.5kg (3.3 lbs.)	1kg (2.2 lbs.)	1.5kg (3.3 lbs.)	1kg (2.2 lbs.)
MAXIMUM ROTATION MOMENT	5kgcm (4 in.-lb.)			
OPERATING ENVIRONMENT TEMP.	0 ~ 50°C			
DIMENSIONS	40 □ X 206	40 □ X 256	40 □ X 191	40 □ X 241

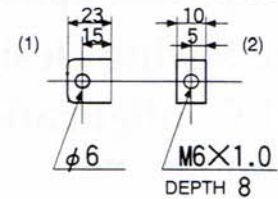
MCD - 100 Specifications

Controller Type	Microprocessor Controlled Preset Indexer	
Command Type	Switch Matrix or PLC	
Functions	Index Feed, Jog, Scan, Machine or Electrical Home Search, Synchronized Start with Other Indexer Units, 2 Channel Onboard, Adjustable Distance & Speed Set, Decelerate/ Stop or Emergency Stop	
Acceleration & Deceleration Profiles	Trapezoidal, Triangular, or Sinusoidal	
Max Commandable Move Distance	(Per One Move) 0 ~ $\pm 99,999$ P pulses	
Control Signal I / F	Move Mode Input	Index, Scan, Jog, Return to Home
	Direction Input	Forward / Reverse
	Control Input	Set, Error Reset, Pause, Emergency Stop
	Output	Run, Error, Ready, Standby
I / O Signals	Input – Photo Coupler 24 VDC 10mA Output – Photo Coupler, Open Collector 30 VDC 0.3A	
Display	LED Indicators – Power, Run, Home, Error	
Input Power	115 VAC	
Dimensions	100 (W) x 175 (D) x 231 (H)	
Weight	1.2 kg (2.6 lbs.)	
Operating Environment Temperature	Operating	0 ~ 40°C 30 ~ 80% RH
	Non-Operating	-20 ~ 80°C 20 ~ 90% RH

Dimensions (MM)



OPTIONAL ROD ENDS



MOTOR COVER TYPE A

	L1mm	L2mm	L3mm	L4mm
Σ C-50	206	141	85	10~60
Σ C-100	256	191	135	10~110

MOTOR COVER TYPE B

	L1mm	L2mm	L3mm	L4mm
Σ C-50	191	141	85	10~60
Σ C-100	241	191	135	10~110