

CAI CNC APPLICATION
INDUSTRIES CO., LTD

Nothing Impossible ! Beyond you can see !

CLD50 Lens Auto Loader

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CLD50

Lens Auto Loader

- Lens loading and unloading device with XYZ cartesian coordinate robot
- Automatic lens feeder optimized for CC-60U automatic centering machine
- Direct lens supply to the machine without intermediate supply device
- Separated structure and variable speed control that minimizes vibration impact to the machine
- Intermediate centering jig adjustable for each lens shape and size
- Equipped with Siemens PLC and Servo motor
- Convenient user interface screen menu
- Convenient mobile operator's panel for loader setup

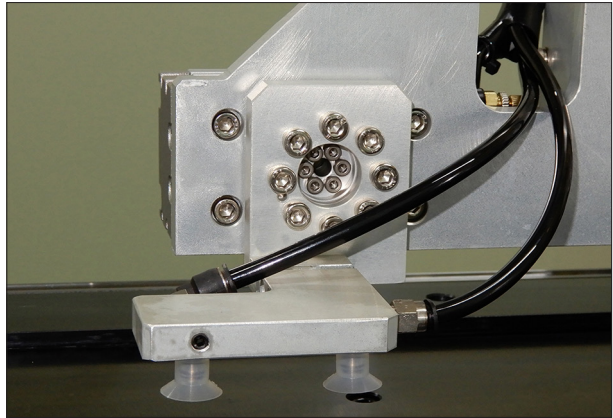


Machine specifications for CLD50

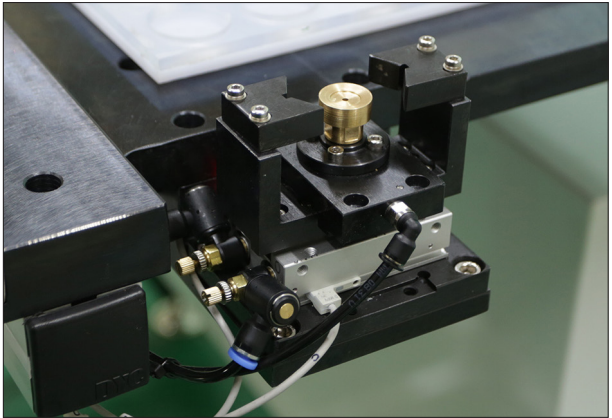
Division	Content	Division	Content
Structure	XYZ Cartesian Coordinate Robot	(Y-AXIS)	Siemens Servo Motor
Dimension (W x L x H)	969.5 x 1495 x 1707.4 (mm)		0.2kW / 0.64Nm /3000rpm
Pallet space (W x L)	470 x 760 (mm)	(Z-AXIS))	Siemens Servo Motor (with brake)
Workpiece max. diameter	Ø50mm		0.1kW / 0.32Nm /3000rpm
Robot spec. (X-AXIS)	Servo motor driven ball screw	Air supply	5kgf/cm2
	Stroke : 1,100mm Max. speed : 20 meter/min	Workpiece holding	Vacuum suction type
(Y-AXIS)	Servo motor driven ball screw	Controller	Siemens PLC (CPU 1215C)
	Stroke : 500mm Max. speed : 10 meter/min	Control axis	X,Y,Z-axis (3axis)
(Z-AXIS)	Servo motor driven ball screw	Min. commanding resolution	0.1mm
	Stroke : 200mm Max. speed : 6 meter/min	Min. positioning resolution	0.001mm
Motor spec. (X -AXIS)	Siemens Servo Motor	Input Device	Touch panel (Siemens KTP400 Basic)
	0.4kW / 1.27Nm /3000rpm	Electric power	1Ø AC220V 50/60Hz 1.2KVA
		Machine weight	300Kg



Lens loading and unloading device with XYZ cartesian coordinate robot



Vacuum suction pad and rotating device for loading/unloading lens



Intermediate centering jig adjustable for each lens shape and size



Convenient mobile operator's panel for loader setup

