

# MB50-2650

PAYLOAD : 50KG

REPEATABILITY :  $\pm 0.05\text{mm}$

# MOKA



Number of axis	6-axis		Maximum speed	Moving range
Motion radius	2650mm	J1 axis S	180°/s	$\pm 180^\circ$
Power capacity	8.0KVA	J2 axis L	155°/s	+120°~-150°
Max Payload	50KG	J3 axis U	200°/s	+190°~-80°
Protection class	IP67	J4 axis R	260°/s	$\pm 190^\circ$
Repeatability	$\pm 0.05\text{mm}$	J5 axis B	260°/s	$\pm 125^\circ$
Robot mass	500KG	J6 axis T	370°/s	$\pm 360^\circ$
Built-in air tube	$\Phi 8$	J4 axis R(N.m)		262
Input/Output signals	Standard 16 in/16 out 24 VDC	J5 axis B(N.m)		262
Mounting position	Floor	J6 axis T(N.m)		193



### Installation Environment

Temperature	0-45°C	Humidity	20~80%RH(no condensing)	No corrosive or combustible gas, no water, no splashing	No excessive oil or dust
Vibrations	Below 4.9M/S2 (0.5G)	Altitude	Below 1000M	Away from electromagnetic source	Away from magnetic field

### Control cabinet specifications

Overall dimension	873(width)*600(depth)*940(height)mm (with protrusions)
Rough quality	170KG
Cooling method	Natural cooling
Power specifications	3PH AC380V 50/60HZ (with built-in 380V~220V isolated transformer)
Grounding	Industrial grounding (dedicated grounding, resistance below100Ω)
Input/Output signal	General signal:16 input,16 output
Position control method	Serial communication EtherCAT.TCP/IP
Memory capacity	JOB: 200000 steps,10000 robot commands (total 200M)
LAN(Host link)	Ethercat(1pc) TCP/IP(1pc)
Control mode	Servo position control
Ambient temperature	In use:0~ + 45°C,In storage: - 20~ + 60°C
Driver unit	AC servo system (6-axis)
Relative humidity	10%~90%(no condensing)
Vibrate	Below 0.5G

#### Serial port I/F

RS485(1pc) RS422(1pc) RS232(1pc) CAN(1pc) USB(1pc)

#### Altitude

Below 1000m. Derate 1% for every additional 100m if over 1000m. Maximum 2000m.

#### Other

No dust, cutting fluid (including coolant), organic solvent, oil smoke, water, salt, medicine, anti-rust oil, strong microwave, ultraviolet light, X-ray, radiation exposure

### Teach pendent specifications

External dimensions	280(width)*220(depth)*120(height)mm (with protrusions)
Gross weight	0.6KG
Material	Reinforced plastics
Display	8 inch color LED,640*480 pixels
Protection class	IP54
Cable Length	Standard:5m Optional:15m

#### Manipulator

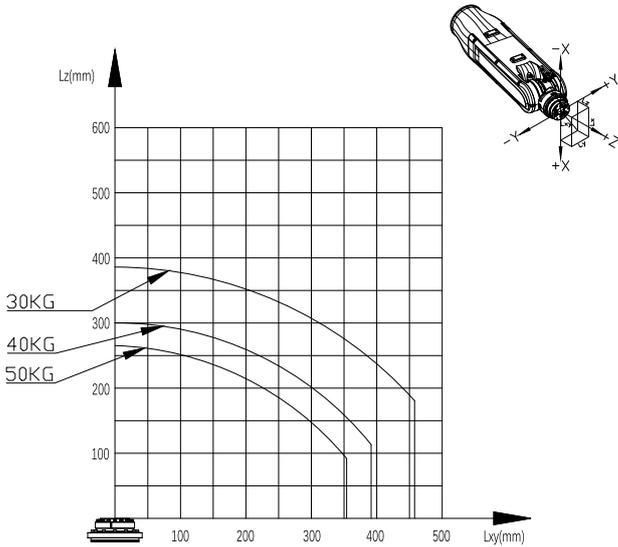
Selector, axis operation, value, mode selection with key (teach mode/auto mode/remote mode), emergency stop, enable, USB port etc



**ATTENTION**

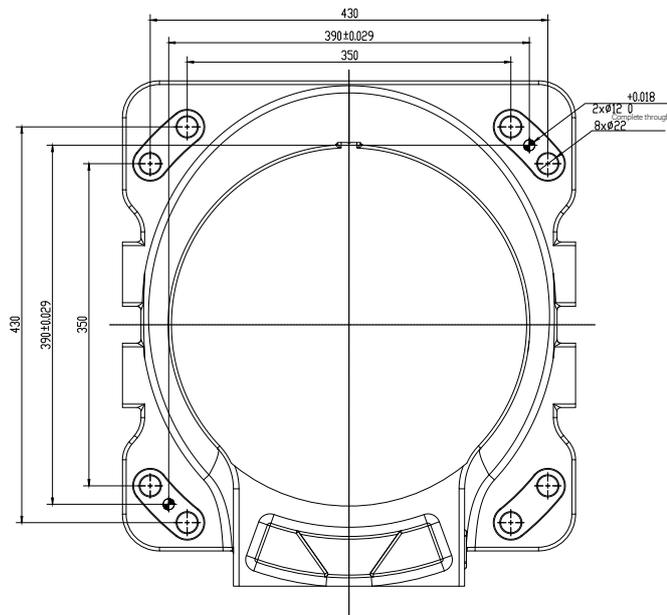
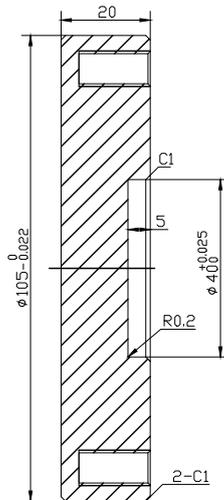
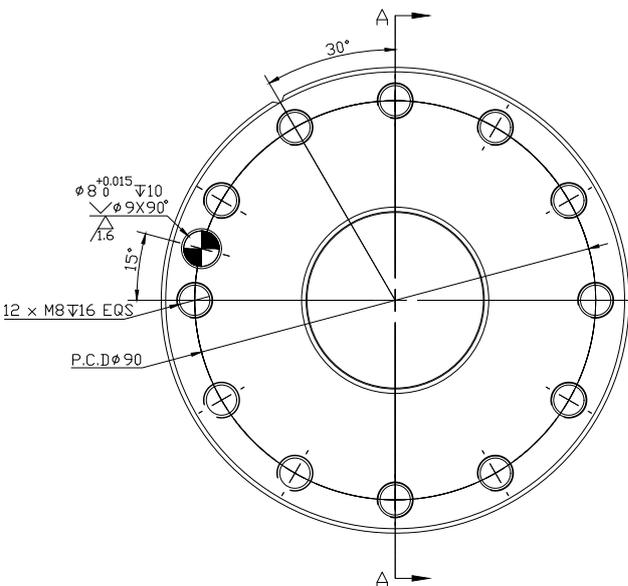
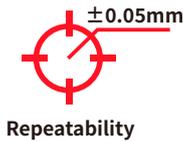
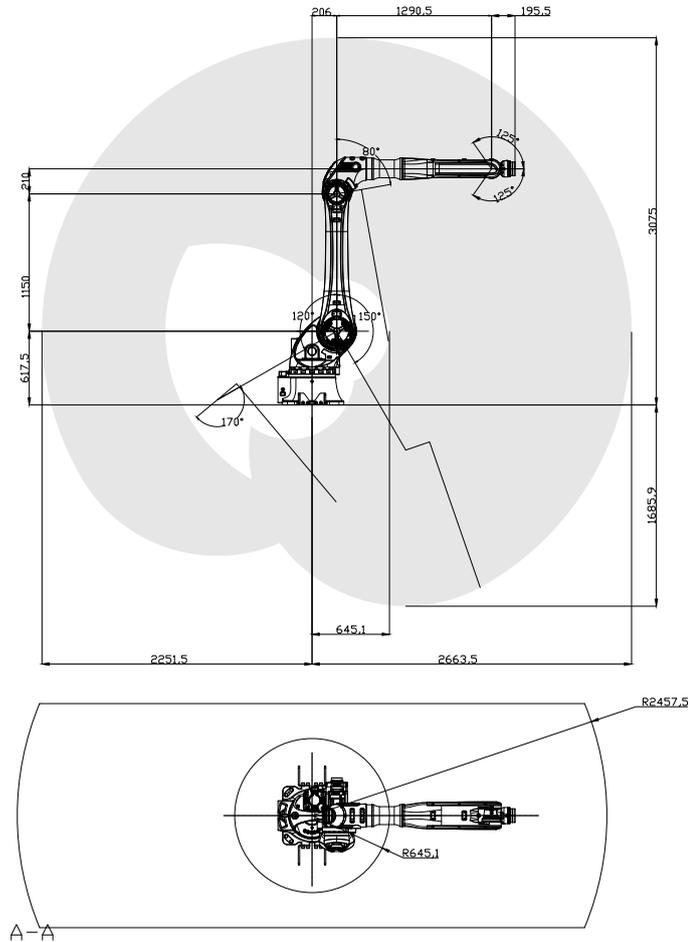
Please read the user manual and relevant documentations before use.  
 Contact official staff or distributor of MOKA if there are any errors, faults or if the robot is a harm to human safety.  
 All data, drawings and specifications provided in this catalog are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered and services performed is determined by the subject matter of the specific contract. No liability accepted for errors or omissions.

#### Robot payload diagram



#### External dimensions and moving range

#### P moving range



#### End flange installation dimensions

#### Base installation dimensions