

# YUSHIN

www.yushinautomation.com

## GROW YOUR BUSINESS WITH US

ROBOTS

END OF ARM TOOLS

AUTOMATION

**TRAINING/SERVICE**

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EST.

*Perfecting the robotic take-out and  
automation industry since 1973*

### CONTACT US

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FIND YOUR SOLUTION





## KNOWLEDGE IS POWER

*Equip your staff with the right knowledge and see their ability and efficiency increase*



We offer on-demand training courses for our clients, across a variety of scopes and levels; from entry level operational training that requires no prior knowledge to intensive maintenance training suitable for those with prior automation and robotics experience.

Following a bespoke system, we can offer customised automation training to support you in the successful integration to production.

## OPERATION TRAINING COURSE

PRICES FROM £750pp

Provided at your site or at our UK Office. This 1 day course is available to all. Ideal for operators and maintenance staff.

### COURSE OVERVIEW

GENERAL OVERVIEW	Insight into the component configurations.
START-UP & SHUT-DOWN	Screen navigation and the start/stop procedure: <ul style="list-style-type: none"><li>• From start-up to auto operation</li><li>• Shut-down</li><li>• Emergency stop conditions</li></ul>
AUTO/CONFIRM OPERATION	Auto and confirm operation descriptions: <ul style="list-style-type: none"><li>• Production settings</li><li>• Sampling</li><li>• Discharge motion</li><li>• Casing reset</li></ul>
MANUAL OPERATION	Control and movement of robot in manual operation mode: <ul style="list-style-type: none"><li>• Axis operation</li><li>• Valve operation</li><li>• Move to wait/move to EOAT positions</li></ul>
FUNDAMENTAL TROUBLESHOOTING	Understanding troubleshooting: <ul style="list-style-type: none"><li>• Error message screen</li><li>• Error Messages</li><li>• Start-up errors</li></ul>

- *Prices quoted for both courses are per person*
- *Minimum allocation of 2 students per course*
- *Maximum allocation of 4 students per course*
- *Beverages, snacks and lunch will be provided*
- *Price excludes travel to/from Yushin Automation, accommodation and subsistence*

# MAINTENANCE TRAINING

## COURSE

PRICES FROM £1200pp

Provided at our UK Office. This 3 day intensive hands-on course is suited towards maintenance engineers and technicians. There is a prerequisite that attendees have a good general understanding of Yushin robots.

### COURSE OVERVIEW

GENERAL OVERVIEW	Insight into the component configurations
OPERATION CHECK	Control power ON/OFF; Manual operation; Motion prohibition area setting; Date & Time setting; Interlock check; Interface signal check; Emergency stop
ROBOT SETTING	Setting up the robot; Mode select; Programming different sequences
REGULAR MAINTENANCE	Axis timing belt tension adjustment; Axis lubrication; Filter check/replacement; Sensors & wiring checks; Solenoid valve check; Flip unit angle adjustment
MAINTENANCE OVERHAUL	Axis timing belt replacement; Axis servo motor replacement; Cable track set up; Home position setting; Changing amplifiers
CONTROL	Euromap interface; Robot circuit; Safety Circuit
ADVANCED TROUBLESHOOTING	Advanced error messages; Troubleshooting flow charts; Position displacement; PLC communication error; Servomotor power failure; Motor out of control; Unstable motion; Emergency stop error; Absolute encoder battery replacement

## SERVICING

PRICES FROM £390\*

Regular servicing has proven to reduce breakdowns, increase efficiency and maximise the expected working life of the equipment. Prices start from as little as £390\* for a full service of a single robot

*\*Price excludes travel/mileage*

### ALL OUR SERVICING INCLUDES

- ✓ Inspection of the key robot components ensuring they are in good working order
- ✓ Timing belts are adjusted/tightened
- ✓ Bearings are greased
- ✓ Air valve functions are tested
- ✓ Pneumatic circuit is checked for leaks
- ✓ Electrical circuit checked
- ✓ Safety circuit is tested
- ✓ Robot interface with injection moulding machine is tested
- ✓ Fan filters are changed

**GET IN TOUCH**  
OUR SERVICE TEAM CAN PUT  
TOGETHER TAILORED PACKAGES  
THAT MEET YOUR NEEDS

