

INTEGREX
I-200S

Mazak
ACADEMY



MAINTENANCE TRAINING

TRAINING AND SUPPORT FOR MAZAK MANUFACTURING TECHNOLOGY

Mazak
GUEST

If you had an alarm what would you do?

Machine tools are highly sophisticated assets which require maintaining to achieve maximum productivity, accuracy and reliability.

Well trained maintenance technicians can play a vital role in maximising machine uptime, but only if they have the skills and knowledge to understand how the machine functions. Gathering and interpreting machine data relating to errors and performance allows the maintenance technician to quickly diagnose and resolve issues.

When a machine is down, every minute costs money. Experience tells us that lengthy downtime is often avoidable if your technicians understand what has caused the machine to stop.

All-too-often alarms are not understood or are misinterpreted. Control diagnostics, which provide valuable machine information regarding the machine condition, are not used or are not known.

Mazak Academy Training is the answer to aiding your technicians with the need-to-know techniques and information that can prevent costly machine downtime and minimise maintenance costs.

A Maintenance Partnership

At Mazak, we believe that machine tool maintenance is a partnership. We develop our customer's knowledge to diagnose faults and perform routine maintenance procedures, whilst providing the vital safety net of specialist service engineering support for more complex issues.

Our aim is to help your technicians make informed decisions to enable them to accurately diagnose faults and decide if the problem can be handled 'in-house'. If it can't, your technicians will be able to brief the Mazak Service Department to ensure that our Technical Support Engineers can assist to quickly resolve the problem remotely or schedule a Service Engineer visit.



Mazak Customer Maintenance Training Programme

Our Customer Maintenance Training Programme helps our customers take control of their machines by giving your technicians the skills to collect and interpret the comprehensive information available from Mazak machines.

The development of your maintenance technicians' knowledge and skills will enable them to diagnose, fault-find and resolve machine problems, enhancing machine uptime and performance.

The majority of our training courses are held at our European Headquarters in Worcester and are very practical, with plenty of opportunity to get hands-on with the machines. Alternatively, we can schedule courses at customer premises using your own machine.



Mazak Customer Training Courses

Owner/Operator	1 Day	Yamazaki Mazak UK Ltd. / Customer's Facility	Machine or Control Specific
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Designed for machine users with no maintenance background, this course teaches the basics of gathering diagnostic data and information, which can act as a guide to effect simple repairs and maintenance, with the Mazak Service Department providing effective remote support.

Content: Machine and control Structure, data I/O, NC back-ups, alarm priorities and structures, diagnostic monitoring and menus, parameter change, asset care.

Maintenance	2 Day	Yamazaki Mazak UK Ltd	Machine or Control Specific
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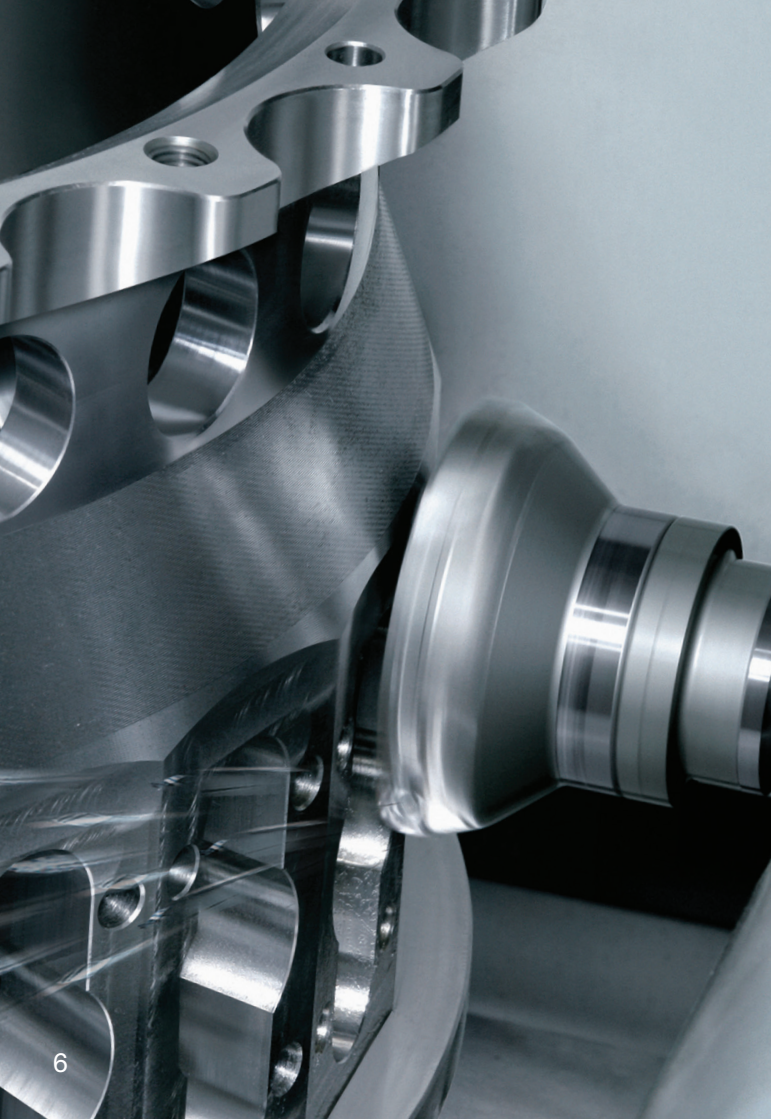
Specifically designed for maintenance who personnel require the next level of training to enable them to carry out fault diagnosis and develop their own routine maintenance procedures. This course is designed to reduce customer reliance on the Mazak Service Department.

Content: All of the owner/operator course plus electrical and mechanical drawings/parts lists, remote I/O system, auxiliary axis control and recovery techniques, ladder monitoring/diagnosis.

Mechanical Adjustment	1 Day	Yamazaki Mazak UK Ltd. / Customer's Facility	Machine Specific
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The next level of machine knowledge which focuses on mechanical maintenance. This course can only be attended by maintenance technicians who have attended the two-day maintenance course and then gained 3 – 6 months experience. This course is machine specific and is therefore best suited to customers using their own machines. Specifically designed for maintenance who personnel require the next level of training to enable them to carry out fault diagnosis and develop their own routine maintenance procedures. This course is designed to reduce customer reliance on the Mazak Service Department.

Content: Review auxiliary axis recovery techniques, primary axis home position setting, primary axis alignments.



Knowledge is power

The Mazak Customer Maintenance Training Programme provides your technicians with the knowledge and ability to take control of machine down time.

Your technicians will gain an understanding of control diagnostics, where the alarms originate, allowing them to determine the appropriate course of remedial action.

They will be able to relate machine manuals to the control and have detailed knowledge of fault finding machine systems.

Most importantly, your technicians will have the knowledge to diagnose machine issues and faults accurately.

On-going support

Mazak maintenance support is on-going, not confined to our formal three-day courses. An additional benefit for all attendees is access to our exclusive online training videos that cover a range of subjects from turret alignment checks through to tool changer recovery.

Mazak also offers a scheduled service care package to ensure that customers gain maximum benefit from Mazak machine ownership for the full extent of their operational life.

Contact details:

For further information about Mazak training courses and service packages please contact:

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Service packages: service@mazak.co.uk

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