

# SERVICE TRAINING

# INDEX

- **INTRODUCTION**
- **WHY YOU SHOULD INVEST IN OUR COURSES**
- **THE COURSES**
  - Panel saws
  - Edgebanders
  - CNC Machining centres
  - Wide belt sanders/Sanding machines
  - Drilling machines
  - Joinery machines
  - Maestro Connect
- **REGISTRATION**



## INTRODUCTION

### ALL THE ADVANTAGES OF OUR SERVICES

Welcome to the SCM Training world!

At SCM we are fully aware that an effective and efficient service is just as important as supplying a wide range of market-leading machines.

This brochure will illustrate our training courses in detail. You can choose from 40 courses taught by our best technicians.

Once you have completed our courses you will be able to, for example, check the production activity, manage the work area autonomously and improve the performance of your machines in order to achieve maximum efficiency and so much more!



**MAINTENANCE SERVICES**



**SERVICE TRAINING**



**SPARE PARTS**



**DIGITAL SERVICES**



## INTRODUCTION

Campus lab  
equipped with all  
SCM technologies

**1300** m<sup>2</sup>  
**9** classrooms



## 2021 SERVICE TRAINING PROGRAM

**92** initiatives

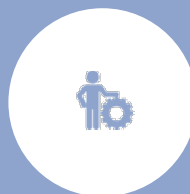
**196** editions

**17.729** training hours availed

**1.059** participants



In-person training



Live Demo



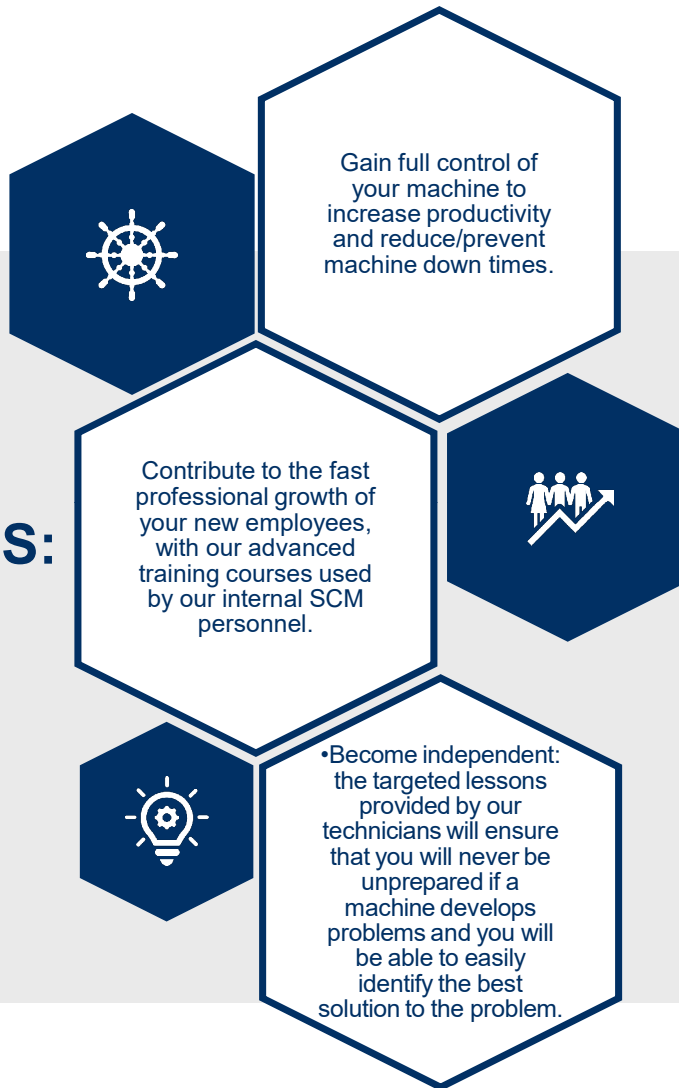
E-learning



Webinar

## WHY YOU SHOULD INVEST IN OUR COURSES

### ADVANTAGES:

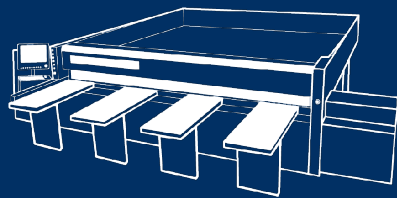


### UNIQUE CHARACTERISTICS OF OUR COURSES

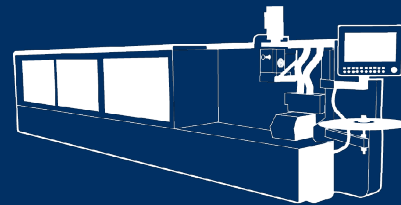
- Continuous training courses provided across the globe
- A fully setup structure, the SCM GROUP CAMPUS, featuring the latest technological facilities (multimedia classrooms, specific latest generation machines, **e-campus** platform)
- The courses are organised in small groups to ensure the maximum learning effectiveness
- The courses are available in three different ways: classroom, e-learning, webinar

## OUR COURSES

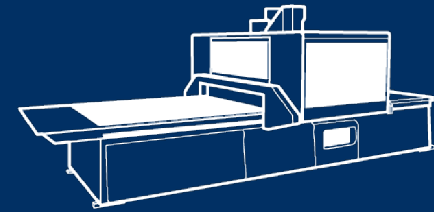
**Panel saws**



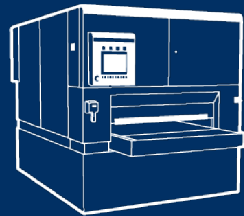
**Edgebanders**



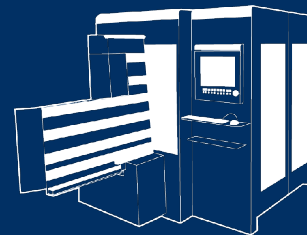
**Machining Centres**



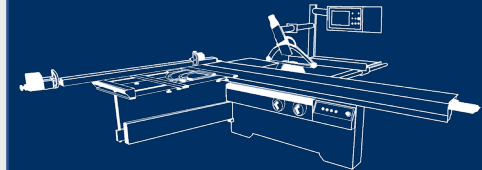
**Sanding machines**



**Drilling machines**



**Joinery machines**





# Panel saws

## MACHINE OPERATOR SINGLE BLADE PANEL SAWS

Course code: WMO-S



### AIMS

The machine operator course for single blade panel saws is designed for woodworking production operators. The course focuses on the basic aspects of panel saws, the tools, materials and final applications, with an in-depth look at using and programming SCM single blade panel saws.

The operator will be able to cut various type of panels, check the conformity of the pieces, perform routine maintenance operations and manage the entire work area autonomously.



### CONTENTS

Aim of panel sizing in the productions and in secondary woodworking processes - Overview of SCM Gabbiani panel saws and the most typical devices - Cutting technologies (materials/tools) - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Using the HMI Maestro Active Cut interface - Software structure and tablet style interface - Machining mode (manual, semiautomatic, automatic) - Programs editor (materials magazine, tools magazine) - Maestro Pattern - Production report - Scheduled maintenance, basic diagnostics - Using the panel saw with practical machining tests - Checking the compliance of the production (orthogonality, parallelism, precision) - Correction of ordinary production faults



### USERS

Machine operator



### MACHINE MODELS

Gabbiani P, Gabbiani S, Gabbiani G



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**24 hours** (standard, variable on request)



## MAINTENANCE TECHNICIAN SINGLE BLADE PANEL SAWS

Course code: WMM-S



### AIMS

The maintenance technician course for single blade panel saws is designed for machine maintenance operators and line maintenance managers.

The course initially examines the basic aspects of panel saws, the tools, materials and final applications, with an in-depth look at using and programming panel saws. The second part will examine in-depth all the routine and extraordinary maintenance activities for SCM Gabbiani panels saws, with practical tests.

A technician will be able to maintain a SCM panel saw, by implementing the necessary maintenance activities and undertaking preventive actions to maintain the performance of the machinery constant.

A line supervisor will be able to manage the planning of the individual maintenance activities as the key process to guarantee the maximum efficiency of the machinery and of the entire production line.



### CONTENTS

Aim of panel sizing in the productions and in secondary woodworking processes - Overview of SCM Gabbiani panel saws and the most typical devices - Cutting technologies (materials/tools) - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Using the HMI Maestro Active Cut interface

Software structure and tablet style interface - Machining mode (manual, semiautomatic, automatic) - Programs editor (materials magazine, tools magazine) - Maestro Pattern - Production report - Scheduled maintenance, basic diagnostics - Using the panel saw with practical machining tests - Checking the compliance of the production (orthogonality, parallelism, precision) - Correction of ordinary production faults - Maintainability and maintenance of the panel saw and its devices (pusher, carriage, presser, pneumatic devices, electrical devices)



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Gabbiani P, Gabbiani S, Gabbiani G



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**32 hours** (standard, variable on request)

## HUMAN MACHINE INTERFACE SINGLE BLADE PANEL SAWS

Course code: WHM-S



### AIMS

The machine interface course for single blade panel saws is designed to illustrate all the controls found on the man-machine interface screen (HMI).  
The final user will have a good command of the various screens and the individual controls, in order to control the production activity of a SCM panel saw.



### CONTENTS

Main Screen - Settings - Semiautomatic - Materials Magazine - New Program - Management - Production - Tools Magazine - Utilities (Labels Editor, Maestro Pattern, Automatic filler, Simulator) - Maintenance - Alarms List - Advanced report



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Gabbiani P, Gabbiani S, Gabbiani G



### TEACHING METHOD

E-learning



### LANGUAGE

Italian, English



### DURATION

about 4 hours

## PROGRAMMING CUTTING OPTIMIZER

Course code: WMP-S



### AIMS

The Optimizer programming course is designed to illustrate the main characteristics of the optimizer for panel saws used by SCM, how to use it correctly and guarantee optimisation results for high level cuts. Maestro Ottimo CUT is a scalable software to optimise the cutting of materials shaped by panel. This professional software controls the entire process to determine the costs and optimise the operation of the panel saws.



### CONTENTS

Introduction to the Maestro Ottimo Cut software - Basic operating and programming rules and optimisation examples - Common parameter configuration - Maestro Ottimo Import (importing materials and orders from an excel file) - Maestro Converter CUT



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Gabbiani P, Gabbiani S, Gabbiani G



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

16 hours



# Edgebanders

## MACHINE OPERATOR SINGLE SIDE EDGE BANDERS STEFANI RANGE

Course code: WMO-B



### AIMS

The machine operator course for single side edgebanders is designed for woodworking production operators. The course focuses on the basic aspects of edgebanding, the tools, materials and final applications, with an in-depth look at using and programming SCM Stefani single side edgebanders. The operator will be able to edgeband various type of panels and edges, check the finish of the pieces, perform routine maintenance operations and manage the entire work area autonomously.



### CONTENTS

Aim of edgebanding in the productions and in secondary woodworking processes - Overview of SCM edgebander and the most typical devices - Edgebanding technology (materials/tools) - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Using the Schneider, Maestro Active Edge control panel (Software structure and interface, Machining modes, Programs editor, Production report, Alarms pages, Scheduled maintenance, Basic diagnostics) - Using the edgebander with practical machining tests - Practical units adjustment tests: rectifier, gluing, end-trimmer, trimmer, corner rounder, edge scraper and optionals - Correction of ordinary panel finish faults



### USERS

Machine operator



### MACHINE MODELS

Stefani KD, Stefani MD, Stefani XD



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**16 hours** (standard, variable on request)



## MAINTENANCE TECHNICIAN SINGLE SIDE EDGE BANDERS STEFANI RANGE

Course code: WMM-B



### AIMS

The maintenance technician course for single side edgebanders is designed for machine maintenance operators and line maintenance managers.

The course initially focusses the basic aspects of edgebanding, the tools, materials and final applications, with an in-depth look at using and programming edgebanders. The second part will examine in-depth all the routine and extraordinary maintenance activities for SCM Stefani edgebanders, with practical tests.

A technician will be able to maintain a SCM edgebander, by implementing the necessary maintenance activities and undertaking preventive actions to maintain the performance of the machinery constant.

A line supervisor will be able to manage the planning of the individual maintenance activities as the key process to guarantee the maximum efficiency of the machinery and of the entire production line.



### CONTENTS

Aim of edgebanding in the productions and in secondary woodworking processes - Overview of SCM edgebander and the most typical devices - Edgebanding technology (materials/glues/tools) - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Using the Schneider interface and Maestro Active Edge (Software structure and interface, Machining modes, Programs editor, Production report, Alarms pages, Scheduled maintenance, Basic diagnostics) - Using the edgebander with practical machining tests - Practical units adjustment tests: rectifier, gluing, end-trimmer, trimmer, corner rounder, edge scraper and optionals - Correction of ordinary panel finish faults - Basic machine - Rectifier - Gluing - End trimmer - Trimmer and chamfering unit - Corner rounder - Edge scraper



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Stefani KD, Stefani MD, Stefani XD



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**24 hours** (standard, variable on request)

## MACHINE OPERATOR SINGLE SIDE EDGE BANDERS OLIMPIC RANGE

Course code: WMO-B



### AIMS

The machine operator course for single side edgebanders is designed for woodworking production operators. The course focuses on the basic aspects of edgebanding, the tools, materials and final applications, with an in-depth look at using and programming SCM Olympic and Minimax Me 40/35 edgebanders. The operator will be able to edgeband various type of panels and edges, check the finish of the pieces, perform routine maintenance operations and manage the entire work area autonomously.



### CONTENTS

Aim of edgebanding in the productions and in secondary woodworking processes - Overview of SCM edgebander and the most typical devices - Edgebanding technology (materials/tools) - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Using the Orion One Plus, Schneider, Maestro Active EDGE control panel (Software structure and interface, Machining modes, Programs editor, Production report, Alarms pages, Scheduled maintenance, Basic diagnostics) - Using the edgebander with practical machining tests - Practical units adjustment tests: rectifier, gluing, end-trimmer, trimmer, corner rounder, edge scraper and optionals - Correction of ordinary panel finish faults



### USERS

Machine operator



### MACHINE MODELS

Olympic K230, Olympic K360, Olympic K560, Minimax Me 40/35



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**16 hours** (standard, variable on request)

## MAINTENANCE TECHNICIAN SINGLE SIDE EDGE BANDERS OLIMPIC RANGE

Course code: WMM-B



### AIMS

The maintenance technician course for single side edgebanders is designed for machine maintenance operators and line maintenance managers.

The course initially focusses the basic aspects of edgebanding, the tools, materials and final applications, with an in-depth look at using and programming edgebanders. The second part will examine in-depth all the routine and extraordinary maintenance activities for SCM and Minimax Me 40/35 edgebanders, with practical tests.

A technician will be able to maintain a SCM edgebander, by implementing the necessary maintenance activities and undertaking preventive actions to maintain the performance of the machinery constant.

A line supervisor will be able to manage the planning of the individual maintenance activities as the key process to guarantee the maximum efficiency of the machinery and of the entire production line.



### CONTENTS

Aim of edgebanding in the productions and in secondary woodworking processes - Overview of SCM edgebander and the most typical devices - Edgebanding technology (materials/glues/tools) - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Using the Orion One Plus, Schneider, Maestro Active EDGE control panel (Software structure and interface, Machining modes, Programs editor, Production report, Alarms pages, Scheduled maintenance, Basic diagnostics) - Using the edgebander with practical machining tests - Practical units adjustment tests: rectifier, gluing, end-trimmer, trimmer, corner rounder, edge scraper and optionals - Correction of ordinary panel finish faults - Basic machine - Rectifier - Gluing - End trimmer - Trimmer and chamfering unit - Corner rounder - Edge scraper



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Olimpic K230, Olimpic K360, Olimpic K560, Minimax Me 40/35



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**24 hours** (standard, variable on request)

## HUMAN MACHINE INTERFACE SINGLE SIDE EDGE BANDERS OLIMPIC/STEFANI RANGES

Course code: WHM-B



### AIMS

The machine interface course for single side edgebanders is designed to illustrate all the controls found on the man-machine interface screen (HMI).  
The final user will have a good command of the various screens and the individual controls, in order to control the production activity of a SCM edgebander.



### CONTENTS

Status bar - Management of the programs and edges - Production panel - Tooling - Report - Alarms report - Maintenance - Settings - Machine - Advanced



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Olimpic K360, Olimpic K560, Stefani KD, Stefani MD, Stefani XD



### TEACHING METHOD

E-learning



### LANGUAGE

Italian, English



### DURATION

about 4 hours



# CNC machining centres



## MACHINE OPERATOR CNC MACHINING CENTRES

Course code: WMO-C



### AIMS

The operator course for machining centers is designed for the carpentry production operator profile. The training is focused on the basic issues of Machining Center technology, such as work plan, tool and magazine management, going in depth on the use and programming hints of an SCM Machining Center.

An operator will be able to mill and drill panels and blocks of various kinds by loading the programs into the machine; check the conformity of the pieces, perform routine maintenance actions and be able to independently manage the entire work area.



### CONTENTS

Purpose of milling within the production process, in the secondary wood processing process. Overview of the scm and morbidelli machining centers and its most representative devices. Starting, stopping and checking the operation of the devices present in the machine. Work areas, danger areas and verification of safety devices. Use of HMI Panel Mac / Maestro Active CNC interface (software structure and tablet style interface, working mode, tool magazine management, production reports, scheduled maintenance, basic diagnostics, backup of the software present in the machine). Ordinary maintenance (machinery cleaning, cleaning of air filters and air conditioner / electrical cabinet, lubrication of axes with pinion and rack with non-automatic lubrication, lubrication of drilling machine, electrospindle, vacuum pump, on / off sliding guides, lubrication of TV table sliding guides. Use of Maestro CNC for tool modification, drilling machine tooling and plane options modification (setup environment). Use of the various models of mobile push-button panel. Machine cleaning. Use of the CDL through practical processing tests.



### USERS

Machine operator



### MACHINE MODELS

Accord, Morbidelli, Pratix, Author



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**24 hours** (standard, variable on request)

## MAINTENANCE TECHNICIAN CNC MACHINING CENTRES

Course code: WMM-C



### AIMS

The maintenance technician course for machining centres is designed for machine maintenance operators and line maintenance managers. The training focuses on the basic aspects of machining centres: worktable, routing, tools, materials and final applications. The second part will examine in-depth all the routine and extraordinary maintenance activities for machining centres, with practical tests. A maintenance technician will be able to use the machine using the various operating modes, perform preventive maintenance actions, and can also take predictive actions to keep the performance of the machinery constant, all by independently managing the entire work area. A line supervisor will be able to manage the planning of individual maintenance activities, as a key process to ensure maximum efficiency of the machinery and the entire production line.



### CONTENTS

Purpose of milling within the production process, in the second processing of the wood (bases) and materials used, overview of the machining center and its most representative devices, starting, stopping and checking the operation of the devices present in the machine, work areas, danger areas and verification of safety devices, use of HMI Panel Mac / Maestro Active CNC interface (Software structure and tablet style interface, working mode, tool magazine management, production report, scheduled maintenance, basic diagnostics, backup of the software present in the machine), Maestro CNC (creation of test programs), ordinary maintenance (machinery cleaning, cleaning of air filters and air conditioner / electrical cabinet, axis lubrication with rack and pinion without automatic lubrication, drilling machine lubrication, electrospindle, vacuum pump, on / off sliding guides, lubrication of TV table sliding guides, basic diagnostics), preventive and predictive maintenance (loading lubrication pump and system purging, replacement of vacuum pump vanes, replacement of batteries for absolute main axis encoder), advanced diagnostics (identification of the INPUT / OUTPUT on the wiring diagram and display on the HMI interface), knowledge of electrical and pneumatic diagrams, knowledge of the specific devices of the machine (main spindle, drilling group, work tables, auxiliary groups, various devices), backup and restore of the software present in the machine, use of the M.C. through practical processing tests.



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Accord, Morbidelli, Pratix, Author



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**32 hours** (standard, variable on request)

## HUMAN MACHINE INTERFACE MACHINING CENTRES

Course code: WHM-C



### AIMS

The machine interface course for machining centres is designed to illustrate all the controls found on the man-machine interface screen (HMI).  
The final user will have a good command of the various screens and the individual controls, in order to control the production activity of a SCM machining centre.



### CONTENTS

Main screen - Settings - Semiautomatic - Users/shifts management - Production - Tools magazines - Utilities - Maintenance - Alarms list- Report



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Accord, Morbidelli, Pratix, Author



### TEACHING METHOD

E-learning



### LANGUAGE

Italian, English



### DURATION

about 6 hours

## CAD/CAM PROGRAMMING CNC MACHINING CENTRES

Course code: WMP-C



### AIMS

The CAD/CAM programming course is potentially designed for any professional figure using CAD/CAM programming software.

The course focuses on the Maestro Suite developed by SCM Group for programming machining centres, illustrating the basic information necessary to design parts, add tool paths and generate NC programs. It will also examine how to create and change 2D drawings and how to add machining operations to the geometry (routing, drilling, sizing).

The course can be customised by adding advanced modules, based on the type of models purchased and the machining operations of interest (e.g. 3D, nesting, etc.).

A participant in the Cad/Cam programming course will learn the operations and work sequences aimed at starting production and will be able to design and manufacture finished products using the Maestro suite.



### CONTENTS

Advanced and personalized training depending on the selected course:

Maestro CNC Basic - Maestro Nesting - Maestro Cabinet - Maestro 3D - X-Cab Office - Xilog Plus - Maestro Pro View -



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Accord, Morbidelli, Pratix, Author



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

Depending on the selected course



# Sanding machines



## MACHINE OPERATOR WIDE BELT SANDERS/SANDING MACHINES

Course code: WMO-L



### AIMS

The machine operator course for wide belt sanders and sanding machines is designed for operators in productions of furniture components and semi-finished materials.

The course focuses on the basic aspects of sanding, such as the materials, the processes and the various configurations available, with an in-depth look at using and programming DMS SD sanding machines.

The operator will be able to choose the most suitable sanding belt for the process required, perform the operations necessary to maintain the finish quality required, assess when the finish obtained does not comply with what is required, perform routine maintenance operations on the machinery and be able to manage the entire work area autonomously.



### CONTENTS

Aim of sanding in the productions and in secondary woodworking processes - Overview of SCM DMC sanding machines and the most typical devices - Sanding technology (materials/tools) - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Operator panel description (Changing the process parameters, Saving the work program) - Using the sander with practical machining tests - Checking the dimensional qualities of the processed material - Correction of ordinary production faults



### USERS

Machine operator



### MACHINE MODELS

Wide belt DMC SD, Sandya



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**16 hours** (standard, variable on request)

## MAINTENANCE TECHNICIAN WIDE BELT SANDERS/SANDING MACHINES

Course code: WMM-L



### AIMS

The maintenance technician course for wide belt sanders-sanding machines is designed for machine maintenance operators and line maintenance managers.

The course initially examines the basic aspects of sanding, such as the materials, the processes and the various configurations available, with an in-depth look at using and programming sanding machines. The second part will examine in-depth all the routine and extraordinary maintenance activities for SCM DMC sanding machines, with practical tests.

A technician will be able to maintain a SCM sanding machine, by implementing the necessary maintenance activities and undertaking preventive actions to maintain the performance of the machinery constant.

A line supervisor will be able to manage the planning of the individual maintenance activities as the key process to guarantee the maximum efficiency of the machinery and of the entire production line.



### CONTENTS

General characteristics, uses of the wide belt sander. Using sanding machines in producing furniture components - Automation present in the machine - Using the machine (Starting, stopping and checking the operation of the devices in the machine, Work area, dangerous areas and checking the safety devices, Sanding belts replacement) - Practical machining tests - Using the operator interface - Scheduled maintenance - Troubleshooting - Extraordinary maintenance



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Wide belt DMC SD, Sandya



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**24 hours** (standard, variable on request)



# Drilling machines

## MACHINE OPERATOR CNC DRILLING SOLUTIONS

Course code: WMO-F



### AIMS

The machine operator course for CNC drilling solutions is designed for woodworking production operators. The course focuses on the basic aspects of drilling centres, such as drilling, routing, dowelling, tools, materials and final applications, with an in-depth look at using a SCM drilling machining centres. The operator will be able to perform the drilling and routing of panels, using existing programs, check the conformity of the pieces, perform routine maintenance operations and manage the entire work area autonomously.



### CONTENTS

Aim of drilling in the productions and in secondary woodworking processes - Overview of CNC drilling centres and the most typical devices - Drilling/routing technologies (materials/glues/tools) - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Using the HMI interface - Software structure and tablet style interface - Machining mode (manual, automatic, mdi) - Tools magazine - Maestro CNC (setting the tool specifications) - Routine maintenance - Using the machinery with practical machining tests



### USERS

Machine operator



### MACHINE MODELS

Morbidelli CX, UX



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**16 hours** (standard, variable on request)

## MAINTENANCE TECHNICIAN CNC DRILLING SOLUTIONS

Course code: WMM-F



### AIMS

The maintenance technician course for drilling solutions is designed for machine maintenance operators and line maintenance managers.

The course focuses on the basic aspects of CNC drilling centres, such as drilling, routing, dowelling, tools, materials and final applications, with an in-depth look at using a SCM drilling machining centres. The second part will examine in-depth all the routine and extraordinary maintenance activities for this type of machinery, with practical tests.

A technician will be able to use the SCM CNC drilling centre using various machining modes, perform routing and extraordinary maintenance operations, as well undertaking preventive actions to maintain the performance of the machinery constant and managing the entire work area autonomously.

A line supervisor will be able to manage the planning of the individual maintenance activities as the key process to guarantee the maximum efficiency of the machinery and of the entire production line.



### CONTENTS

Aim of drilling in the productions and in secondary woodworking processes - Overview of CNC drilling centres and the most typical devices - Starting, stopping and checking the operation of the devices in the machine - Work area, dangerous areas and checking the safety devices - Using the HMI interface - Software structure and tablet style interface - Machining mode (manual, automatic, mdi) - Tools magazine (drilling bits, cutters, blade 0-90)

Maestro CNC (diagnostics programs) - Production reports - Scheduled maintenance, basic diagnostics - Extraordinary maintenance, advanced diagnostics - Knowledge of the specific machine devices (Main spindle, Blade unit, Drilling units, Dowelling unit) - Backup and restore software in the machine - Using the drilling machining centre with practical machining tests



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Morbidelli CX, UX



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**16 hours** (standard, variable on request)



## HUMAN MACHINE INTERFACE CNC DRILLING SOLUTIONS

**Course code: WHM-F**



### AIMS

The machine interface course for machining centres is designed to illustrate all the controls found on the man-machine interface screen (HMI).

The final user will have a good command of the various screens and the individual controls, in order to control the production activity of a SCM machining centre.



### CONTENTS

Main screen - Settings - Semiautomatic - Users/shifts management - Production - Tools magazines - Utilities - Maintenance - Alarms list- Report



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Morbidelli CX, UX



### TEACHING METHOD

E-learning



### LANGUAGE

Italian, English



### DURATION

**about 4 hours**

## CAD/CAM PROGRAMMING DRILLING SOLUTIONS

Course code: WMP-F



### AIMS

The CAD/CAM programming course is potentially designed for any professional figure using CAD/CAM programming software.

Training is focused on the specific Maestro CAD/CAM for CNC drilling solutions. The course focuses on the Maestro Suite developed by SCM Group for programming machining centres, illustrating the basic information necessary to design parts, add tool paths and generate NC programs. It will also examine how to create and change 2D drawings and how to add machining operations to the geometry.

Participants to the CAD/CAM programming course will learn the operations and work sequences necessary to start the production of the machining centre and will be able to drill finished products with the Maestro suite.



### CONTENTS

Installing Maestro CNC and Maestro Active with machine configuration - tool editor for bits - tooling machining heads - programming exercises for drilling, slots - CAD commands with routing and recess exercises - Maestro apps, technologies, subprograms and importing DXF - feed speed profiles for drilling - using Maestro Active in simulated execution, program (single, double auto and double panel) - Tooling - MDI commands



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

Morbidelli CX, UX



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**16 hours** (standard, variable on request)

A white line drawing of a large industrial joinery machine, specifically a sliding table saw, set against a dark blue background. The machine features a long horizontal table with a sliding top, a large circular blade, and various adjustment mechanisms. The text "Joinery machines" is overlaid in white.

# Joinery machines

## MACHINE OPERATOR JOINERY MACHINES

Course code: WMO-J



### AIMS

The machine operator course for Joinery Machines is designed for the profile of a carpentry operator. The training focuses on the use of traditional woodworking machines, such as saw, planer, spindle moulder. An operator will be able to use the machines safely, perform routine maintenance and be able to independently manage the entire work area.



### CONTENTS

Product range overview - Technical characteristics of the machines and processing methods - Practical tests and machine use - Explanation on the control panel - Operative instructions on the correct routine maintenance of machinery (cleaning, lubrication and adjustments due to wear) - Analysis and workaround of small faults.



### USERS

Machine operator



### MACHINE MODELS

L'Invincibile range, NOVA range,  
Minimax range, CLASS range



### TEACHING METHOD

In-person (c/o campus - c/o customer)  
Remotely (webinar)



### LANGUAGE

Italian, English



### DURATION

**16 hours** (standard, variable on request)

# Maestro connect

## MAESTRO CONNECT

Course code: WHM-I



### AIMS

Know and understand the structure, each single function of Maestro Connect and digital services provided.



### CONTENTS

Services enabled by digital technologies – Architecture and key users – User web app (smart machine, smart analytics, smart maintenance) – Hardware and software equipment



### USERS

Machine operator and maintenance technician, Maintenance manager, Line supervisor



### MACHINE MODELS

All Scm machinery fitted with Maestro Connect



### TEACHING METHOD

E-learning



### LANGUAGE

English



### DURATION

2 hours

## REGISTRATION

Write an e-mail to  
**[trainingservice@scmgroup.com](mailto:trainingservice@scmgroup.com)**  
by indicating the course code indicated in  
corresponding board.



*Once you have let us know about the objectives, requirements and duration of the training, you will receive all the information on your course, along with the documentation necessary to register. If the training is at our premises, we will provide all the information necessary to plan your trip.*



### Service Training

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