

Schaublin-70 Lathe

The turning and milling capabilities of a compact lathe



SCAN ME

A course for those who wish to step into micromechanics and discover the advantages of machining.



Watchmakers of Switzerland Training and Educational Program
Centre Suisse de formation et de perfectionnement horloger



WOSTEP – WHO ARE WE?

Founded in 1966 and supported by the Swiss watch industry, the Fondation WOSTEP, located in the cradle of watchmaking in Neuchâtel, offers training programs covering several watchmaking professions. As a reference centre for watchmaking training and development worldwide, the Fondation WOSTEP transmits unique know-how through cutting-edge teaching. The range of training programs and consulting services offered by WOSTEP are considered quality standards. Employers around the world recognize WOSTEP certification as a proof of technical competence and demonstration of a solid training.

The neutral and independent Fondation WOSTEP is supported by 6 active members who together generate 90% of the turnover of the watch industry in Switzerland. Its ambition is to preserve and promote Swiss know-how abroad. Two pillars of the Foundation are the courses offered in Neuchâtel and the partnership with several schools abroad. The standardization of training programs and evaluation criteria implemented in cooperation with the industry ensures a true Swiss Made on a global scale.

With more than 50 years of experience, WOSTEP manages innovative projects with the close support of its members and donors and positions itself as a real training and skills center of the future.

CERTIFYING TRAINING

The Neuchâtel school offers certifying training in watchmaking and polishing.

The watchmaking programs are run through a phase of Watch Technician, then Customer Service Watchmaker after one year. Finally, Watchmaker is the additional year more specialized in manufacturing which allows to arrive at a panel of knowledge worthy of traditional haute horlogerie. The student develops in-depth and specific skills in tool maintenance, diagnosis with defect identification, maintenance, movement adjustment, complete service, polishing, precision adjustment, micromechanics and watch manufacturing.

The Customer Service Polishing Technician is a program that allows the reconditioning, disassembly and reassembly of watch cases and bracelet components made of various base metals according to their technical and aesthetic characteristics.

These certification programs make it possible to reach a high level in watchmaking and polishing careers with specific opportunities in international haute horlogerie.

Note: Certificates – titles recognized for their practical part by the Convention Patronale de l'Industrie Horlogère Suisse (Swiss Watch Industry Employers Federation) / based on governmental orders of the SEFRI (Secrétariat d'Etat à la Formation, à la Recherche et à l'Innovation (SERI - State Secretariat for-Education, Research and Innovation).

COURS À LA CARTE

To complete our offer, the school hosts multipurpose courses. Practical or theoretical à la carte courses can be developed and implemented on demand. Train the Trainer, Complete Service Standard Operation, Chronometry, Balance Hairspring Manufacturing, Chronograph, Turning, as well as modular and specific polishing courses, such as laser welding refilling, are given regularly.

More details can be found on our website.

COURSE CURRICULUM

Course description

The 2-week WOSTEP *Schaublin-70 Lathe* course gives the participant a good basic understanding of machine-turning in general, and of how to get the most out of this highly versatile machine. The course is almost entirely practical, including exercises which have each been specially chosen to demonstrate particular aspects of the lathe's capabilities.

The students will also be encouraged to put forward solutions to mechanical problems and to produce their own drawings, since an ability to solve problems and think creatively is extremely important for anyone who wishes to progress to a higher level of watchmaking.

The program is flexible, since a great deal depends on the level of each participant. Those who complete the essential aspects of the program ahead of schedule will be given the opportunity to continue with more advanced projects.

C03 – WATCHMAKING - SCHAUBLIN-70 LATHE



Duration: 2 weeks

Main topics

Gravers

- Understanding the importance of the clearance angles.
- Making various machine gravers in hard metal using the tool-grinding machine.

Turning and drilling

- Preparing drawings and producing several pieces in brass and steel.
- Different techniques for center drilling / turning tapers and angles / parting off / cutting threads.

Milling and dividing

- Milling flat faces and squares.
- Different methods of division.
- Cutting wheels.

Career opportunities

The *Schaublin-70 Lathe* course is particularly suited to those who, with a solid basis of theory and practical ability, are highly motivated to develop their skills in the more specialised directions of restoration and complications.

Requirements and target audience

The *Schaublin-70 Lathe* course is open to all those who already have a solid knowledge of both watchmaking and basic micromechanics.

Without these prerequisites, a participant would be unable to take full advantage of this program, since the syllabus can be seen as the natural development of these basic skills.

TIMETABLE AND PARTICIPANTS

- Monday to Friday: 08:30 – 12:00 / 13:30 – 17:00.
- Maximum 4 participants per session.

LOCATION

Fondation WOSTEP, Rue des Saars 99, 2000 Neuchâtel, Switzerland

REQUIRED MATERIAL

All the equipment will be provided by WOSTEP except for loupes.

MEALS

Meals are not provided and are at the participants cost.

ACCOMMODATION

Participants will receive a list of hotels in Neuchâtel with the confirmation of the course in order to make their own reservation.

COURSE FEE

- **CHF 5'200.-** per person (accommodation and meals not included)
- -10% discount for member brands + donators
- -75% discount for partnership teachers

ATTESTATION

An attestation will be delivered upon completion of the course.

SCHAUBLIN 70 LATHE COURSE REGISTRATION

Session selection

Please indicate your choice of session date/period*:

**Select from published program/course dates online or enclosed flyer.*

Personal details – please fill in CAPITAL letters

Ms. Mr.

Last name (s):

First name (s):

Employer:.....

Present occupation and responsibilities:

Mailing address

Name / Company name (if applicable):

Street address, n°:

Post office box:

Zip Code - City:

Country:

Home phone:

Work phone:

Mobile phone:

Home e-mail:

Work e-mail:

Invoice address (if different from the above mentioned)

Name / Company name (if applicable):

Contact person:

Street address, n°:

Post office box:

Zip Code – City:

Country:

WHERE/HOW DID YOU HEAR ABOUT WOSTEP?

WOSTEP student(s) Employer Advertisement Internet

Other:

Date: Signature:

To register for the course, kindly complete this form and send to wostep@wostep.ch or register directly through our website under www.wostep.ch/training/programs.

EDUCATION, EXPERIENCE & PRELIMINARY SELF-ASSESSMENT – SCHAUBLIN-70 LATHE

Name of school / Company	Period of time	Hours of training
Self-taught		

Professional experience (after training):

Name of employer	Full-time	Part-time	Period of time
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

Turning experience:

Number of years:

Watch brand / product / external component you are most experienced with (case middle, case back, bezel, bracelet):

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Please evaluate your level of understanding/acquisition for the criteria below, using the following scale:

- Level 1:** I have an idea; I have heard about it.
- Level 2:** I am beginning to put this into practice.
- Level 3:** I already possess some experience.
- Level 4:** I practice with confidence.
- Level 5:** I have a structured approach to the subject.
- Level 6:** I could coach my colleagues, help them to ensure training.

Competence	Level of understanding / acquisition					
	1	2	3	4	5	6
Gravers shaping						
Turning						
Drilling						
Milling						
Dividing						

