

# Metso:Outotec

Training Academy

## Crusher product training

Application

Theoretical and practical knowledge of crushers and crushing technology for safe and efficient operation.



Our crusher training equips participants with the knowledge and skills required for safe and efficient operation and maintenance of Metso Outotec crushers. Training is delivered by our experienced team of in-house certified experts, and covers both basic knowledge of crushers and crushing technology, as well as customized training courses on optimal operation, maintenance, automation, and troubleshooting.

### Training overview

- Provides basic theoretical and practical knowledge of crushing principles and safe operation both for beginners and personnel requiring refresher training.
- Customized training for experienced personnel for more in-depth knowledge.
- Suitable for operators, supervisors, and maintenance and technical personnel.
- Pre-defined modules allow for the tailoring of training content.
- Training delivered at Metso Outotec facility or on-site.

Through carefully designed course modules, this training covers the following elements:

1. Safety — guidelines on the safe use of crushing equipment and the relevant safety regulations.
2. Technical overview — mechanical, instrumentation, electrification and automation, as well as hydraulic overview.
3. Operational overview — crusher operation, parameter adjustment, and use of the operator interface unit.
4. Maintenance and after-sales support — guidelines on services and performing maintenance in a safe and correct manner.



### Benefits

- Increased productivity
- Improved product shape
- Increased on-line availability
- Decreased maintenance repair costs

Read more at [mogroup.com/trainingacademy](https://mogroup.com/trainingacademy)

# Training course details

Crusher product training course is composed of four different modules.

Module	Typical content
Operation	Introduction, process and operational parameters, operating principles, lubrication operation, hydraulic power unit operation, log sheets, safety
Maintenance	Introduction, scheduled periodic maintenance, repair style maintenance, liner change maintenance, lubrication unit, hydraulic power unit, safety
Practical training	Review of the theory session, safety, lubrication unit, hydraulic power unit, maintenance requirements (at times the crusher is disassembled during training)

## Recommended training days per equipment type

Module	Gyratory	Jaw	Cone	HSI	VSI
Operation	1 day	1 day	1 day	1 day	1 day
Maintenance	1 day	1 day	1 day	1 day	1 day
Practical training	0,5 days	0,5 days	0,5-1 days	0,5 days	0,5 days
Safety Refresher	0,5 days	0,5 days	0,5 days	0,5 days	0,5 days
Supported Metso Outotec Equipment	SUPERIOR Gyratory	C-Series Jaw	HP, GP, MP, Symons, Omnicone, Gyradisc	NP Impact Crusher	Vertical Shaft Impact Crusher

Module content can be customized to your specific needs.

### Theory training

Classroom-based course which covers basic operation principles, operator interface, safe use of Metso Outotec crushers as well as after-sales support. This course is intended for operators, supervisors, maintenance personnel, and technical specialists, and can also be used as a refresher course for personnel who already possess a basic knowledge of crushing equipment.

### Practical training

In addition to the theory training, the practical course connects the classroom-based information to practical experience. The course provides operators and technical specialists with practical knowledge on running, maintaining, and troubleshooting Metso Outotec crushers. Practical training can include demonstrations, simulations and machine-side training.

### Customized training courses

These courses are custom made to meet our customer's specific needs. They are designed to build up competence in Metso Outotec products and provide more in-depth information for designated equipment. Customized training courses provide thorough information on our equipment and technologies, process optimization insights as well as service procedures and tips to help customers move from reactive to proactive maintenance. These custom courses are normally a combination of classroom and practical training.