



# ADVANCED TRAINING

## EFFECTIVE PLANT OPERATION

with the lowest downtime, the highest yield  
and end product quality.

**The VMI Advanced training ensures an effective plant operation with the lowest downtime, the highest yield and end product quality. It furthermore keeps your staff skilled and motivated.**

This training is only given after you have operated the equipment for at least four weeks, as we feel that you need to have experienced working with the machine to know what things you require more information or assistance on. Topics discussed during the training cover advanced procedures such as parameter optimization, quality improvement, troubleshooting and maintenance. Each participant will be assessed and after passing the written test, receive a certificate of accreditation. Certified participants will be registered at VMI. We recommend repeating the Advanced training frequently, to stimulate continued growth of your personnel.



**Mechanical maintenance**

- Targeted at all maintenance staff.  
Key objective is to cover the following modules:
- Set-up, functions and operation of the machine.
  - How to perform a size change.
  - Preventive maintenance: procedures, checks and lubrication.
  - Corrective maintenance: set-up and replacement of knives and belts.
  - Alignment and adjustment of the TBM and servicers.
  - Air pressure settings and pneumatic system.
  - Daily maintenance of the carcass drum.

**Technology and quality**

- Targeted at operators and lead maintenance staff.  
Key objectives is to cover the following modules:
- Set-up, functions and operation of the machine.
  - HMI product specifications & parameters: in-depth explanation about machine capabilities and how to modify.

**Electrical & software**

- Targeted at operators and lead maintenance staff.  
Key objectives is to cover the following modules:
- Set-up, functions and operation of the machine.
  - Electrical and software specifications & parameters: in-depth explanation about machine capabilities and how to modify.
  - HMI product specifications & parameters: in-depth explanation about machine capabilities and how to modify.
  - Corrective maintenance: procedures, checks and lubrication.
  - Safety, safety and emergency stop.
  - Camera calibration and image processing.
  - Calibration and quality control.
  - Basics in...





The training is given by one of VMI's certified Services specialists and either takes place at the VMI Academy at one of our Service Centers or on site at the customer.

The advanced training provides an extra level of depth, backed by knowledge transfer, raising skill levels and capabilities within your maintenance teams to a very high level. All participants will go through the initial basic training course, together with additional modules targeted at specific roles and responsibilities.

### Preventive maintenance

IT and operational technology specialists.  
The training covers the following modules:  
- Functions and operation of the machine.  
- Control system (VMI software structure, PLC program and IPC).  
- Troubleshooting.  
- Examples: operation and calibration, parameters, troubleshooting, management and user management (configurator).  
- Sensors, operations and troubleshooting.  
- Preventive maintenance: general sensor adjustments, remote I/O, IP addressing, device net, Ethernet (network/system architecture).  
- Safety devices and troubleshooting.  
- Splicing system and splice monitoring.  
- Installation of TBM and servicers.  
- Robot teaching, backup/restore

### PRODUCT HIGHLIGHTS:

- Effective operation of your VMI systems
- Improved adjustments and preventive maintenance
- Fully skilled and motivated staff



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