

TRAINING

COMPREHENSIVE TRAINING for MACHINE VISION

Industrial Vision Systems Ltd (IVS®) provides comprehensive training relating to the full range of NeuroCheck machine vision solutions. As part of our comprehensive after-sales service offering, IVS provides a choice of training courses in the operation and maintenance of the complete range of vision systems. Courses are practical, with a hands-on approach and all delegates are awarded certificates on successfully completing a course.

Our courses range from one-day operator courses, covering basic day-to-day use and general operation of the vision system, to four-day in-depth maintenance courses that cover more complex applications.

Courses can be:

- Tailored to suit your individual requirements
- Delivered on site if you require, on mutually agreed dates
- Standard courses (as listed below)
- Based at the Williams F1 training centre
- On dates selected from our full programme

All courses are:

- Delivered by our team of experienced Professional Technical Instructors
- A combination of practical workshop exercises and classroom based learning
- Fully documented with printed Training Manuals for each delegate
- Certificated

Basic Training

The two-day basic training course gives an overview of all the typical application areas of NeuroCheck, as well as general machine vision information. You will be introduced to the full range of image processing functionality as well as to the various ways of integrating NeuroCheck into production processes and quality management systems.

Topics

- Q & A sessions
- How to set-up a machine vision system
- On-going maintenance of the system
- Automatic operation and results
- Measuring using machine vision
- Assembly control and verification
- PLC, serial and I/O control
- Debug facilities
- Camera and lighting technology
- Optics and filters
- Machine vision project control
- NeuroCheck topics
- Manual operation
- Live mode
- Automatic mode
- Bar code recognition
- Presence verification
- Gauging
- Positioning
- Character and pattern recognition
- Template matching
- Assignments

How IVS training packages can benefit you

- Full range of vision system training courses (Basic, Advanced and Operator)
- All levels of ability are covered
- Qualified, helpful IVS trainers
- Certificate of achievement for each delegate upon satisfactory completion
- Printed course book provided on every course for you to keep
- Flexible private classes at Williams F1 conference centre or at your manufacturing site





Comprehensive training in an inspirational setting

Advanced Training

The two-day advanced training course extends the contents of the basic training using various application examples from industrial practice. You will get a first-hand insight into the methods and tricks of our applications department and receive a comprehensive impression of the flexibility and adaptability of the NeuroCheck concept.

Topics

- Surface inspection with line-scan cameras
- Print quality inspection
- High-speed processes with parallel image capturing
- Inspection of moving parts with triggered image capturing
- Application of template matching for positioning, surface inspection, classification etc.
- Flexible gauging for assembly checking
- Gauging accuracy
- Color processing
- System functionality for application management (spreadsheet, password system, self-test)

About the Training Venue

Nestled in the heart of the Oxfordshire countryside lies Williams F1; the headquarters of one of the most successful Formula One teams in the history of the sport. The world renowned team has designed, tested and built 16 World Championship winning cars which have carried Formula One greats such as Alan Jones, Nelson Piquet, Nigel Mansell and Damon Hill to over one hundred Grand Prix victories since its inception in the late seventies.

Not only has the team enjoyed success on the track, but away from it, Williams F1 has grown into a significant international business over a quarter of a century. Set in the grounds of the team's 40 acre site sits the RBS Williams F1 Conference Centre and Grand Prix Collection. Combining the glamour and technology of Formula One, the purpose built, multi-million pound training centre is likely to be one of the most stimulating training facilities you will encounter.

Every machine vision training course includes a tour of the Williams F1 GP collection

The Williams F1 Grand Prix Collection houses over 40 of the team's seminal racing cars from over a quarter of a century of racing. The largest privately-owned collection of Formula One cars in the world offers you the chance to get up close and personal to ground-breaking racing cars driven by some of the sport's greatest heroes.

The tour will begin in the Champions Gallery, which contains pictures of all the World Championship winning drivers that have driven for the team since 1977. The gallery leads into the preview theatre, which sets the scene for your tour and shows an introductory film which encapsulates the drama, excitement and thrills and spills of the high octane world of Williams F1. You will then move through to the Williams F1 Grand Prix Collection. Your tour of the museum is accompanied by an audio-visual history of the team detailing the story behind the cars. The tour concludes in the Technology and Trophy Rooms.

ivsTM
INDUSTRIAL VISION SYSTEMS LTD

Industrial Vision Systems Ltd.
Kingston Business Park
Kingston Bagpuize
Oxfordshire OX13 5FE, UK
Tel :: +44 (0) 1865 - 823322
Fax :: +44 (0) 1865 - 823393
sales@industrialvision.co.uk
www.industrialvision.co.uk

NeuroCheck GmbH
Engineering Center
Neckarstr. 76/1
D-71686 Remseck
Tel :: +49 (0) 7146 - 89 56-0
Fax :: +49 (0) 7146 - 89 56-29
info@neurocheck.com
www.neurocheck.com

