

# FROM BORN TO DIE

**HEADLAND**  
Machinery Service Support



# ONSITE TRAINING – CUSTOMER SPECIFIC

## PARTICIPANTS

Maximum 3 people per robot

## INCLUDES

- Safety Documentation
- One Instructor at your premises

## OPTIONAL EQUIPMENT (Cost will be quoted based on freight costs)

- Additional training equipment. I.E. Cube magazine, training table
- Projector
- Training room (desks and seating)

## COURSE OUTLINE

Software version - KRC V4.1.x, 5.x

## TARGET GROUP

- Programmers
- Operators

## GOALS

- Goal of the seminar is to supply training directly aimed at customer onsite needs.
- Training is based on Customers questions and is an open format.
- This will include a briefing on safety.

## REQUIREMENTS

- Notify Headland at least one week before training commences with the general area of training required and outcomes.

## CONTENT (TYPICAL)

- Safety instructions
- Operating of the robot system
- Open training based on customer questions and needs

## END OF SEMINAR

- The course ends with an achievement test based on the safety instructions.

## FURTHER INFORMATION

**Cameron Fisher**

**Phone**  
03 9244 3500

**Email**  
[training@headland.com.au](mailto:training@headland.com.au)

## LENGTH OF SEMINAR

1 Day or multiple of

## LOCATIONS

Customers site

## PRICE

\$1280 per day (plus GST)



# ROBOT OPERATION

## PARTICIPANTS

Maximum 3 people per robot

## INCLUDES

- Safety Documentation
- One Instructor at your premises

## COURSE OUTLINE

Software version: KRC 5.x

## TARGET GROUP

- Operator

## GOALS

- Goal of the seminar is to gain hands-on knowledge for the safe use of the KUKA robot system.

## REQUIREMENTS

- This seminar requires no special knowledge and is also suitable for complete novices

## CONTENT

- Safety instructions
- Operating of the robot system
- Knowledge of the coordinate systems
- Selection and jogging with a suitable coordinate system
- Use of the navigator
- Work with automatic mode

## END OF SEMINAR

- The course ends with an achievement test
- A certificate is issued on successful completion of the course.

## FURTHER INFORMATION

**Cameron Fisher**

**Phone**  
03 9244 3500

**Email**  
[training@headland.com.au](mailto:training@headland.com.au)

## LENGTH OF SEMINAR

1 Day on-site

## LOCATIONS

Customer location

## PRICE

\$1280 per day (plus GST)



CERTIFIED

# BASIC ROBOT PROGRAMMING

## PARTICIPANTS

Minimum 2 people, maximum 3 people

## INCLUDES

- Lunch each day
- International recognised KUKA certificate on completion of exam
- Structured course on KUKA certified equipment
- Course Documentation
- Safety Documentation

## COURSE OUTLINE

Software version: KRC 5.x

## TARGET GROUP

- Programmers, service technicians

## GOALS

- Goal of the seminar is to obtain basic knowledge for the programming of the KUKA robot seminar.

## REQUIREMENTS

- None

## CONTENT

- Safety instruction for the KUKA robots
- Operating of the robot system
- Knowledge and use of the coordinate systems
- Methods of tool calibration and tool payload
- To realise a mastering
- To realise a calibrating of a work piece
- Use of the navigator, creating programs and archiving of programs
- Use of motion programming
- Insert, delete and manipulate points
- Limited position correction
- Use of logic and gripper programming
- Introduction to the expert level
- Work with automatic mode

## END OF SEMINAR

- The course ends with an achievement test
- A certificate is issued on successful completion of the course

## FURTHER INFORMATION

Cameron Fisher

Phone  
03 9244 3500

Email  
[training@headland.com.au](mailto:training@headland.com.au)

## LENGTH OF SEMINAR

4 Days

## LOCATIONS

Headland Robotic Training Centre

## PRICE

\$2600 per person (plus GST)



CERTIFIED

# ADVANCED ROBOT PROGRAMMING

## PARTICIPANTS

Minimum 2 people, maximum 3 people

## INCLUDES

- Lunch each day
- International recognised KUKA certificate on completion of exam
- Structured course on KUKA certified equipment
- Course Documentation
- Safety Documentation

## COURSE OUTLINE

Software version: KRC 5.x

## TARGET GROUP

- Programmer

## GOALS

- Goal of the seminar is to build on the Basic Programming course, KUKA programming language KRL and to use it in structured programs based on the reached basic requirements.

## REQUIREMENTS

- This seminar requires the participant to have undertaken the "Basic Robot Programming" training

## CONTENT

- Programming methodology
- Use of the navigator at expert level
- Use of variables & declarations
- Programming of sub-programs and functions
- Use of data lists
- Knowledge of data manipulation
- Programming of motions in KRL
- Use of system variables
- Use of control structures (jumps, branches & loops)
- Configuration of the automatic external interface
- Knowledge of the submit interpreter

## END OF SEMINAR

- The course ends with an achievement test
- A certificate is issued on successful completion of the course

## FURTHER INFORMATION

Cameron Fisher

Phone  
03 9244 3500

Email  
[training@headland.com.au](mailto:training@headland.com.au)

## LENGTH OF SEMINAR

4 Days

## LOCATIONS

Headland Robotic Training Centre

## PRICE

\$2600 per person (plus GST)



# RETRAIN ROBOT PROGRAMMERS

## PARTICIPANTS

Minimum 2 people, maximum 3 people  
We do offer places for one person to join an existing course

## INCLUDES

- Lunch each day
- Structured course on KUKA certified equipment
- Course Documentation
- Safety Documentation

## COURSE OUTLINE

Software version: KRC 5.x

## TARGET GROUP

- Experienced Robot Programmers

## GOALS

- Goal of the seminar is for experienced programmers to become familiar with KUKA industrial robots.

## REQUIREMENTS

- This seminar suits experienced programmers of other Robots with a sound knowledge of setup and programming.

## CONTENT

- Safety instructions
- Operating of the robot system
- Knowledge of the coordinate systems
- Selection and jogging with a suitable coordinate system
- Overview setup (mastering, tools & work pieces)
- To realise a mastering
- Use of the "Expert" navigator & archiving of programs
- Basics of motion programming
- Logic programming
- Use of data lists
- Use of control structures (jumps, branches & loops)
- Work with automatic mode

## END OF SEMINAR

- The course ends with an achievement test.
- A certificate is issued on successful completion of the course.

## FURTHER INFORMATION

**Cameron Fisher**

**Phone**  
03 9244 3500

**Email**  
[training@headland.com.au](mailto:training@headland.com.au)

## LENGTH OF SEMINAR

2 Days

## LOCATIONS

Headland Robotic Training Centre  
or Onsite if Required

## PRICE

\$1300 per person (plus GST)

# COURSE CALENDAR

## 2010 COURSE DATES



CERTIFIED

### BASIC TRAINING COURSE

September	03/09/2010 – 16/09/2010	February	01/02/2011 – 04/11/2011
October	05/10/2010 – 03/10/2010	March	01/03/2011 – 03/03/2011
November	01/11/2010 – 04/11/2010	April	05/04/2011 – 08/04/2011
December	06/12/2010 – 09/12/2010	June	07/06/2011 – 11/06/2011

### RETRAIN ROBOT PROGRAMMERS PROGRAMMER

September	27/09/2010 – 28/09/2010	February	21/02/2011 – 22/11/2011
October	18/10/2010 – 19/10/2010	March	21/03/2011 – 22/03/2011
November	29/11/2010 – 30/11/2010	April	18/04/2011 – 19/04/2011
December	20/12/2010 – 21/12/2010	June	20/06/2011 – 21/06/2011

For more information about our course dates, please call 03 9244 3500 or email [training@headland.com.au](mailto:training@headland.com.au)

## COURSES ON DEMAND

THE FOLLOWING TRAINING COURSES ARE AVAILABLE ON REQUEST\*

**EXPERT ROBOT PROGRAMMING**

**ARC WELDING WITH ARCTHECHDIGITAL**

**FIELDBUS TECHNOLOGY DEVICENET**

\*Note: Certain conditions apply to our "Courses on Demand". For more information, please call 03 9244 3500.

**Melbourne**

Head Office & Showroom  
95 Highbury Road  
Burwood Victoria 3125

**Sydney**

23-25 Muriel Avenue  
Rydalmere NSW 2116

**Brisbane**

1/380 Montague Road  
West End QLD 4101

**Perth**

4/25 Clydesdale Street  
Burswood WA 6100

**New Zealand**

Aotea Machinery  
10E Maurice Rd  
Penrose Auckland 1642 New Zealand  
T +64 9525 6907

**Sales**

1300 592 061  
sales@headland.com.au

**Service**

1300 138 285  
service@headland.com.au

**Spare Parts**

03 9244 3500  
spareparts@headland.com.au

[www.headland.com.au](http://www.headland.com.au)

A close-up, low-angle shot of a control panel, likely for a piece of machinery. The panel is dark with several buttons and a small screen. The screen displays a menu with options like 'Auto', 'Manual', 'Reset', 'Start Cycle', and 'Stop Cycle'. The lighting is warm and focused on the panel, with a blurred background.

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