

1. Process gas
2. Cutting nozzle
3. Nozzle offset
4. Cutting speed
5. Molten material
6. Dross
7. Cut roughness
8. Heat affected zone
9. Kerf width

IKUSASA®

CNC TRAINING CENTRE

WE ARE THE FUTURE

G-CODE

INTRODUCTORY TURNING & MILLING

www.ikusasatraining.co.za

G-CODE COURSES

Introductory G-Code Turning & Milling

Requirements: General CNC Knowledge would be to your advantage but not necessary.

Duration: 4 Days

Time: 08:30 - 16:00

Inclusions: Catering & Refreshments (full time inhouse training), relevant stationary, competency certificate, Machine Control Presentation, Training Manual (theory).

OVERVIEW

Our Introductory G-Code Turning & Milling course is perfectly suited for anyone looking to enter the CNC field. This course caters to beginners with no prior experience, providing an opportunity to familiarise themselves with the CNC environment and the terminology used in our other training programs, as well as the general industry context.

The primary goal of this course is to help you understand the proper mindset required for manufacturing components in the most cost-effective manner. We intend to encourage you to think proactively about tooling, turret layout, and clamping methods. The more consideration you give to each program before it reaches the machine, the higher the quality of the final product will be.

The course consists of 4 days in-class where we cover the complete basics in terms of:

- Terminology (what is a mill / lathe, g-code etc.)
- Basic Calculations
- Machine Co-ordinate systems
- Preparatory Functions
- Writing and understanding G-Code & M-Code
- Basic ISO Program creation
- Absolute vs Incremental Programming