

- 1. Gas gas
- 2. Cutting nozzle
- 3. Nozzle offset
- 4. Cutting speed
- 5. Workpiece material
- 6. Arc
- 7. Surface roughness
- 8. Heat-affected zone
- 9. Kerf width

# IKUSASA

CNC TRAINING CENTRE

WE ARE THE *FUTURE*

# EDGE CAM

## 4/5 AXIS SIMULTANEOUS

[www.ikusasatraining.co.za](http://www.ikusasatraining.co.za)

# EDGECAM COURSES

## EDGECAM 4/5 Axis Simultaneous

**Requirements:** General computer skills are mandatory.

**Duration:** 2 Days

**Time:** 08:30 - 16:00

**Inclusions:** Catering & Refreshments (full time in-house training), relevant stationary, competency certificate.

### OVERVIEW

EDGECAM is a market leading computer aided manufacturing (CAM) system for NC part programming. With unparalleled ease of use and sophisticated tool-path generation, it's the only CAM system you'll need for milling, turning and mill-turn machining.

EDGECAM utilises your in-house knowledge and experience to drive the CAM process with automation tools to suit different applications – allowing you to maintain your competitive edge.

The course consists of 2 days in-class where we cover the complete basics in terms of:

- 5 Axis machining Overview.
- Advantages / Disadvantages of 5 Axis.
- Advanced 5-axis cycles.
- CAD Preparation.
- Drive Curves and drive surfaces.
- Understanding Check Surfaces.
- Understanding the acronym PTC.

1. Cutting gas
2. Cutting nozzle
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5. Molten material
6. Dross
7. Cut roughness
8. Heat affected zone
9. Kerf width

- Understanding Multi Axis simultaneous machining.
- Calculating Toolpaths based on wireframes or solids & Surfaces.
- Advanced 5 Axis further options explained.
- Swarf machining.
- Cover all Patterns.
- Covering All Tilting methods.
- Axis Shift & Mirror.
- Rotary Machining.
- Port Machining.
- Impellor blades machining.