# The World's First Truly Portable DCC Coordinate Measuring Machine



# System Components

## zCAT - 54-950-001-0

- zCAT CMM - 4 Axes

- Ethernet communication (WiFi optional)

- ControlCAT metrology software

- I++ Software interface

- Renishaw TP20 probe

- zCAT Wedge Excel export software

- Battery

- Training part and calibration sphere

- Quick start guide

- Reusable shipping container

- Standard 1 year warranty

- Other software and accessory options available



# Software

## ControlCAT Metrology Software

- Easy to use geometric measurement tool

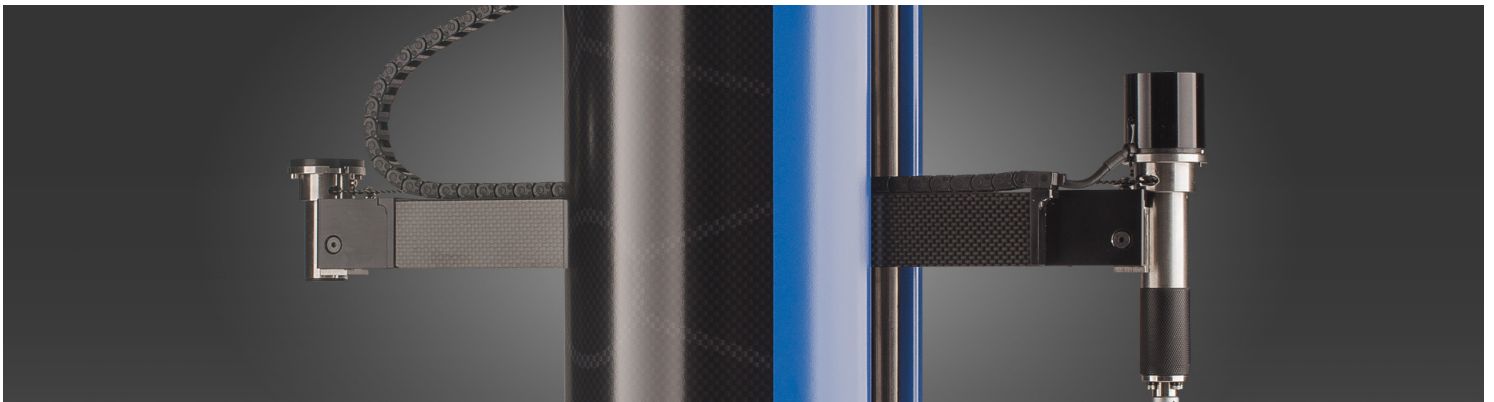- Measures manually or DCC. Creates constructions for most common geometrics including:

| Plane | Line | Point | Sphere | Angle | Cloud | Circle | Slot | Cone |
|-------|------|-------|--------|-------|-------|--------|------|------|

Reference    Cylinder

- Reports actual and nominal information to Excel spreadsheet

- Program remembers geometry and plays back for repetitive part measurements

# I++ Server Software

Optional zCAT MK4 3D Software gives zCAT advanced 3D capabilities including:

- Automatic measurement routines

- Powerful interactive graphics window

- 2D and 3D inspection

- DXF data import

- Feature construction

- Teach & learn programming

- Engineering drawing GD&T report

- Simple PASS/FAIL report

- Real-time SPC

- Export to DXF

- And much more!



# zCAT Dimensions

zCAT Envelope

Measurement Volume

Z=250mm/9"

270mm

10"

270mm

10"

7"

720mm 28"

# zCat Specifications

*Working Volume*

X and Y 700mm diameter, Z 250mm

| | |
|---|---|
| *Diametral Accuracy (μm)* | |
| 3.0 + (D / 100mm) | |
| *Linear Accuracy (μm)* | |
| 5.0 + (L / 100mm) | |
| *Fixturing Accuracy Requirement* | |
| 5mm | |
| *Machnine Speed* | |
| User Controlled to 150 mmps | |
| *Machine Air Requirement* | |
| None Required | |
| *Construction* | |
| Stainless steel for all structural components | |
| *Machine Power Requirements* | |
| 100-240 V AC±10%, 50-60Hz | |
| *Battery Life* | |
| 4 hours with normal use, 3 hours at peak | |
| *Power Consumption* | |
| Peak 15 W, normal 10 W | |
| *Manual Motion Control* | |
| User controlled by hand movement of probe | |
| *Controller* | |

Onboard PCB provides motion control, error mapping, |++ interface and ControlCAT metrology software

*Temperature Compensation*

Onboard monitoring and compensation

*Probe Type*

Renishaw TP20 probe