

System Components

Z-CAT 600c

- Z-CAT CMM
- ControlCAT metrology software
- Renishaw TP20
- Training part and calibration sphere
- Quick start guide
- Reusable shipping container
- Standard 1 year warranty

Z-CAT 600i

- Z-CAT CMM
- I++ software interface
- Renishaw TP20
- Training part and calibration sphere
- Quick start guide
- Reusable shipping container
- Standard 1 year warranty



Optional Components

- Excel export software
- Tablet ControlCAT software
- Hard transportation case
- Optional ControlCAT software
- Optional I++ software interface
- Repeatable quick release mounting system
- Premium 1 year certification and warranty

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 |
| Circle | Slot | Cone | Reference |
- Reports actual and nominal information
- Program remembers geometry and plays back for repetitive part measurements.



I++ Server Software

- Works with standard metrology software including:

| | |
|---------------|--------------|
| Rational DMIS | PCDMIS |
| CMM Manager | Powerinspect |
- Ability to connect to multiple Z-CATs from a single network station



Rational
DMIS



CMM
Manager



Power
Inspect



PCDMIS

Z-CAT Specifications

| | |
|--------------------------------|--|
| Working volume | X and Y 600mm diameter, Z 275mm |
| B89 Volumetric accuracy | 8.0 μ |
| B89 Repeatability | 3.0 μ |
| Fixturing accuracy requirement | 5mm |
| Machine 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 \pm 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, I++ server and ControlCAT metrology software |
| Temperature compensation | Onboard monitoring and compensation |
| Probe Type | Touch trigger probe |
| Machine weight | 12kg, 27lbs |
| Machine dimensions (W x D x H) | 40mm x 180mm x 650mm |
| | |

Z-CAT Ordering

| | ZCAT | c | 6 | 4 | 2 | - | 1 | 1 | A |
|---|------|---|---|---|---|---|---|---|---|
| Series _____ | | | | | | | | | |
| Software Configuration c = ControlCAT software i = I++ software | | | | | | | | | |
| Working Volume _____ 6 = 600mm diameter | | | | | | | | | |
| Number of Axes _____ 3 = 3 axes (not currently available) 4 = 4 axes | | | | | | | | | |
| Motion Control _____ 1 = Manual Only (not currently available) 2 = DCC and manual | | | | | | | | | |
| Probing Options _____ 1 = TP20-Standard Force 2 = TP20-Medium Force | | | | | | | | | |
| Language _____ 1 = English | | | | | | | | | |
| Power Cable _____ A=USA, Mexico, Canada, Japan & Taiwan; B=EU and Korea; C=UK; D=China; E=South Africa & India; F=Switzerland; G = Denmark; H= Australia; I= Israel; J= Italy & Chile; K=Brazil | | | | | | | | | |