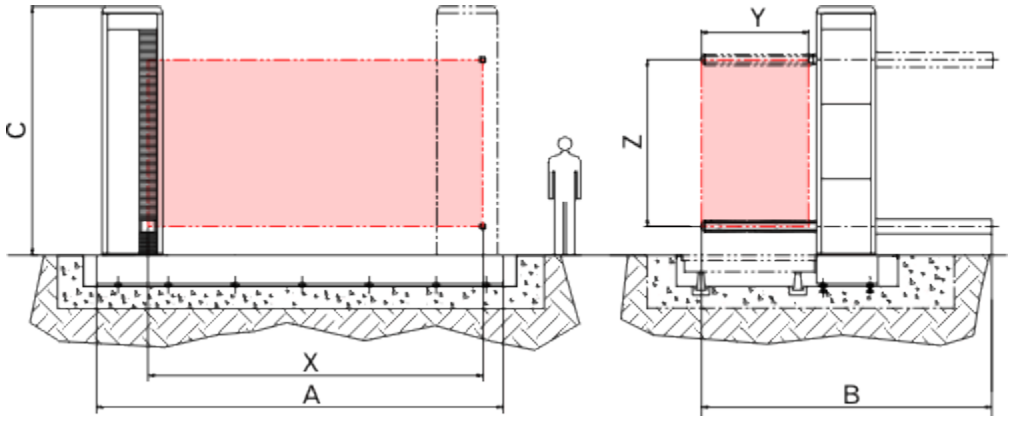
Coord3 DCC CMM **Model : Jupiter**

The Jupiter by Coord3 is an accurate solution for measuring sub-assemblies and vehicle mock up fixtures. This machine is also capable of free form, tactile, and non-contact probing. Available in dual arm applications as well as a special "light" version with simplified shielding.

1.	Style :	DCC
2.	Probe :	PH6
3.	Controller :	Deva 004 PCI
4.	Software :	CAPPS-DMIS
5.	Frame Type :	Horizontal Arm
6.	Resolution :	3.0 um

Machine Dimensions



Model JUPITER	Strokes (mm)			Overall dimensions (mm)		
	X(**)	y	Z	A	B	C
XX-14-20	XX	1400	2000	XX+1000	3940	3225
XX-14-25	XX	1400	2500	XX+1000	3940	3725
XX-14-30	XX	1400	3000	XX+1000	3940	4225
XX-16-20	XX	1600	2000	XX+1000	4340	3225
XX-16-25	XX	1600	2500	XX+1000	4340	3725
XX-16-30	XX	1600	3000	XX+1000	4340	4225

(**) XX standard = 5000-6000-8000

Technical Specifications

STRUCTURE

Coordinate Measuring Machine, CNC type, with horizontal arm structure on granite table machine base.

Guideways:
X axis: longitudinal guideway fixed to the base, with full covered main structure.
Y/Z axis: micromachined anodized light alloy extrusion, with flexible guide covers
Drive Method:
X axis: zero hysteresis friction drive, rack & pinion
Y axis: zero hysteresis friction drive
Z axis: zero hysteresis friction drive
Sliding System:
Air bearings on all axes
Motion Control:
DC servomotor on all axes
Thermal Compensation:
Multi-sensors temperature compensation system for part and scale. (by request)
Measuring System:

PROBING SYSTEM

Manual Probe Head:
MIH, MH20, MH20i, RTP20
Motorized Probe Head:
PH10T, PH10M, PH10MQ
Point-to-Point Trigger Probe:
TP2, TP20, TP200
Analog Contact Probe:
SP25
Laser Probe:
Metris LC/XC series (qualification sphere included)
Stylus and Probe Changer:
Fully automated stylus and probe changers

CONTROL UNIT

Terminal Unit is used by the operator to manually control the motorized measuring machine (ArKey)
The controller feature the continuous interpolation of axes motion for cycle time optimization

Optional
-Index/continuous Rotary Table

ENVIRONMENT

Temperature Range for Metrological Specification:
Max. gradient per hour: 0.5 *C/h
Max. gradient per day: 2.0 *C/24h
Max. gradient in space: 0.5 *C/m
Acceptable Vibrations:
(vibration acceleration between peaks)
30mm/s from 1 to 10 Hz
15mm/s from 10 to 20 Hz
50mm/s from 20 to 100 Hz

AIR SUPPLY

Air Consumption:
100 Nl/min
Minimum Air Supply:
5 Bar (71psi)

POWER SUPPLY

Power Supply Voltage:
230 V +/- 10%; 50 Hz +/- 2% (single phase)
Maximum Power Consumption:
10A 1200 W

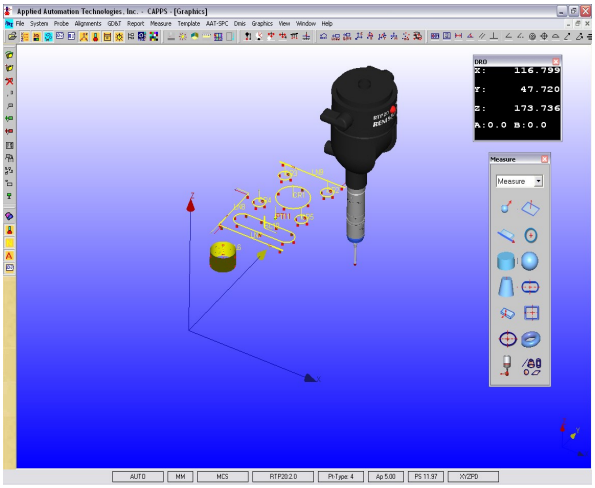
OPTIONS

Passive vibration insulating system
Active vibration insulation system (AVM)
Multi-wire cable
Available both in single and dual arm versions
PC & Printer
Training
Installation

WARRANTY

12 months from the date of acceptance test or a maximum of 15 months from date of shipment

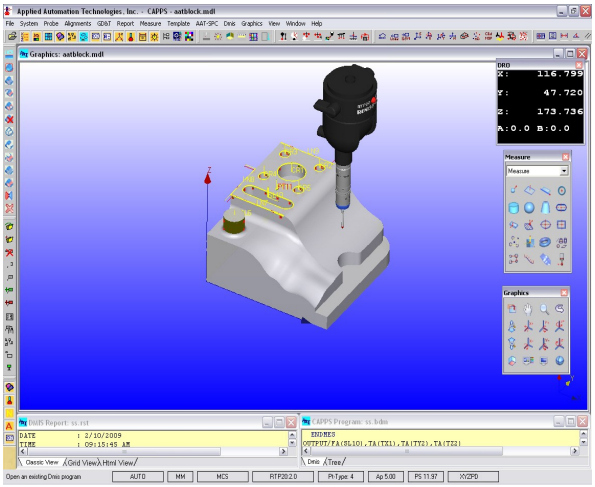
CAPPS Powerfully Simple



Capps Powerfully Simple is the least expensive measurement software with complete geometrical measuring capabilities.

- Complete measurement and GD&T
- Complete construction Methods
- Easy alignment and calibration
- Easy to learn 3D graphics menus and toolbars
- Measurements displayed in 3D
- Easy CAD like 3D graphics with user interaction
- Flexible reporting options with spread sheet like editing
- Scalable digital readout
- DMIS input/output options
- Easy upgrade to Basic Plus or Advanced

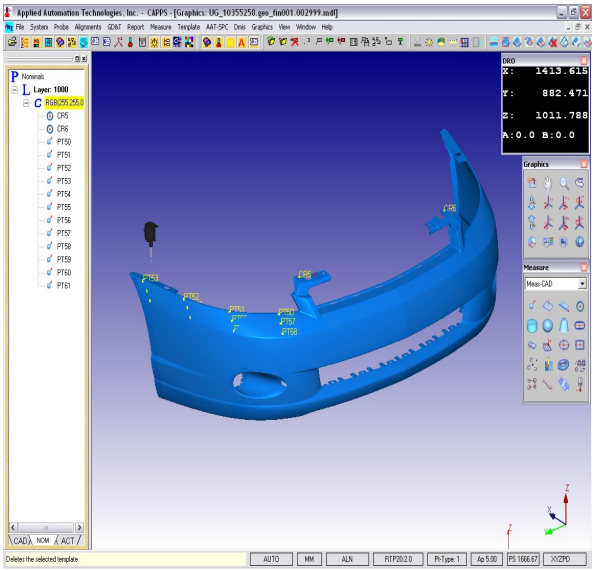
CAPPS Basic Plus



Capps Basic Plus is a complete measurement software with CAD capability for geometrical features.

- Native DMIS programming
- Automatic Probe Calibrations
- MGP CAD alignment macros
- Import and display CAD models with wireframe elements
- Extraction of Nominals from wireframe or create from blue prints
- Adaptive curve scanning
- Reverse engineering to CAD
- Easy upgrade to CAPPS-DMIS Advanced

CAPPS Advanced



Capps Advanced is a CAD based metrology software with easy to use graphics. Complete control over mathematical model, easy and precise alignment methods, automatic feature measurements and geometry recognition. Parts can be measured with or without CAD models automatically creating DMIS programs. Features of our Advanced level software include:

- CAD master model at the CMM
- Automatic collision avoidance
- Auto Probe Calibration
- Advanced CAD operations for surface and curve manipulation
- Automatic probe path generation routines for all geometric and sheet-metal features
- Automatic feature extraction from a CAD model
- Advanced Fixtureless alignment methods with CAD