XYANA 2000 Easy-to-operate software

XYANA 2000 general-purpose measuring software was developed by ACCRETECH to make dimension measurements as easy as using vernier calipers. A color LCD monitor screen with touch panel delivers outstanding ease of operation.
It may be mounted on SVA, CVA, RVF and mju.

Numerical keypad/alphabetical keys

Color LCD monitor with touch panel

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Measure key   Terminate key   Intermediate key

Color icon menu

■XYANA 2000 Functions

1. Freely Arrangeable Icon Menu

The icon menu can be freely arranged to suit specific needs. Grouping frequently used icons helps to improve operational efficiency.

2. Three Measuring Modes

You can select from among three measurement modes: Manual, Teaching, and Auto. When measuring multiple workpieces of the same type, the Teaching-measurement can be used to create a part program, which then can be used for Auto-measurement for more efficient consecutive measurements.

3. User Codes

When a series of measurements needs to be performed a number of times, the measurement procedure can be registered as a user code. Then simply call up the code number to perform the measurement series. User codes are retained even when power is turned off.

4. Teaching and Auto-Measurement

Teaching measurement can be used to add procedures to an existing part program and create a new part program. This method can be executed while measuring, which makes part program editing easy, even for inexperienced users.

5. Versatile Functions for Verifying Design Values

Design values of workpieces can be verified by both manual and teaching measurement. To perform verification with a reference workpiece, measure the reference object using teaching measurement (Actual Measured Values Design Value Registration), and then use auto measurement to measure the other objects and compare them with the reference object.
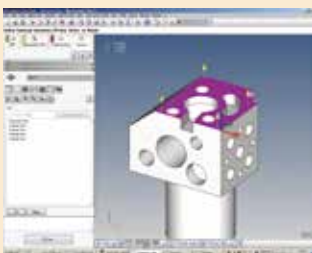
6. Other Major Functions

· Number of Form Element Measuring Points:	200 max.	· Number of Element Records:	9999 max.
· Number of Coordinate Records:	9999 max.	· Number of Probe Registrations:	2000 max.

Calypso general-purpose software also can be selected.

· AI function
· 3D CAD data imported graphic display

Example Offline Setup of Electric Discharge Machine

The XYANA 2000 shortens setup time on an electric discharge machine (die sinking) and improves work efficiency. The workpiece and electrode fixed with a special palette to a positioning chuck can be measured by a 3D coordinate measuring machine. Then the amount of position deviation can be fed back by the electric discharge machine and precision processing operation can be performed.

Output   Read

Electric Discharge Machine
(Die Cutting)

XYANA2000
Calypso+EDM

Log In File
(Actual Measuring Value Data)

Electric Discharge Machine Palette

Electrode

Actual measuring data is read by the machine tool,which corrects the position deviation of the workpiece and electrode as it performs the process.

Precision Positioning Chuck
(Fixed to 3D coordinate measuring machine.)

ACCRETECH **TOKYO SEIMITSU**

Data Processor System (Software)