

# Newall's DP900 Digital Readout offers unmatched performance with revolutionary features that will increase productivity.



**Incredibly powerful,  
yet incredibly easy to use.**

From the company that revolutionized the DRO industry comes yet another breakthrough in performance and functionality. Newall's DP900 offers unsurpassed features in an easy to use package that will increase your machine tool efficiency.

- Includes Mill, Lathe and Geometric Functions
- Graphical Tool Position
- Customized Canned Cycles
- Remote Memory Storage via USB Port
- CMM/Inspection Functions with Probe Capabilities
- Feather-Touch Cap-Sense Keypad
- Crisp, Clean LCD
- Available in 2, 3, and 4 axes, including rotary

Setting new performance standards, the DP900 integrates the latest innovations in electronic design, housed in a rugged die-cast chassis. The feather-touch keypad ensures long life and stability throughout the rugged shop environment.

### **Mill, Lathe and Geometric Functions**

Newall's DP900 offers flexible features tailored for milling or turning applications. Plus, with the use of a touch probe, part inspection calculations can be performed without removing the part from the machine.

### **Increase Productivity with Tool Path Verification**

The DP900 includes a graphical display of your tool path movement. This time saving feature enables the operator to graphically view the tool movement in real time, increasing productivity.

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# DP900 Standard Features:

- Metal Die-Cast Case
- Cap-Sense Keypad
- 5.7" QVGA Blue STN with CCFL Backlight
- 2, 3 or 4 Axes with Optional Rotary Axis
- Half Function
- Absolute/Incremental Readings
- Switchable Resolutions
- Home Reference
- Feed Rate Display
- Multiple Program Storage
- Data Preset/Reset
- Tool Path Graphics in Real Time
- Probe Input
- Polar Co-ordinate Readings
- Programmable Memory with Graphical Presentation
- Insert / Delete Sub Data
- Teach Mode with Graphics
- Zero Approach Warning
- Sleep/Data Hold
- Navigation Keys
- Zoom
- Intuitive Help
- Job Timer
- Touch Probe Option
- Calculator with Trig Functions
- Tap Drill Library
- Linear Error Compensation
- Segmented Error Compensation
- Vibration Filtering
- Audible Keystroke Entry
- USB-B Program Storage

## Spherosyn and Microsyn Encoders

Providing consistent accuracy and reliability even under the harshest shop conditions.

- Withstands coolant, oil, dirt and other environmental conditions
- IP67 rating (fully submersible)
- No more broken or scratched glass
- No mechanical wear characteristics
- Requires no cleaning or regular maintenance
- Vibration and shock resistant
- Scale travels up to 11.7 meters



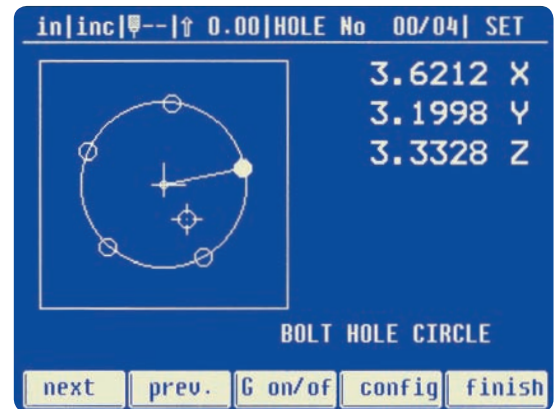
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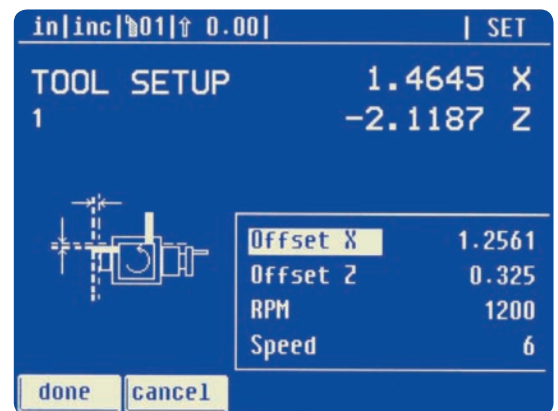
## Milling Specific Features

- Bolt Hole Circle
- Bolt Hole Arc
- Line Hole
- Grid Array
- Frame (Pocketing)
- Arc Function
- Tool Length Comp
- Tool Dia. Comp.



## Turning Specific Features

- Taper Calculation
- Axis Summing
- Vectoring
- Rad./Dia Readings
- Tool Offsets



## CMM/Inspection Features

- O.D. Calculations with Center Find
- I.D. Calculations with Center Find
- Skew
- Datum Find
- Incline
- Step
- Length
- Angle

