

3D尋邊器 UNIVERSAL 3D-SENSOR



3D尋邊器

對於加工中心(包括銑床)和電加工機床而言，3D-Sensor尋邊器是一種高精度、多功能的測量儀器(對於電加工機床，其探針為絕緣感應測尖)。

將3D-Sensor尋邊器固定在機床主軸或電極頭上，主軸中心可以精確地定位在夾具或工件的各邊上。因此，工件零點及長度都可以快速測量及設定。

3D-Sensor尋邊器的優勢在於可以從任意方向(X軸、Y軸或Z軸)接近零件。在量測的過程中，指標始終向同一方向偏移，並始終顯示機床主軸中心與工件邊之間的距離。當指針指示為零時，表示機床主軸軸線與工件邊重合。第一次使用也無需試驗，無需計算，沒有正、負號問題。這大大減少了額外的花費，提高生產效率，並且減輕現場人員的勞動強度。

3D-Sensor尋邊器結構非常堅固，操作方便，長短探針皆適用。同機床刀具一樣，3D-Sensor尋邊器可以裝夾於刀柄上，從而通過換刀或直接安裝到機床主軸上。它的探針無需任何工具就可直接更換。同時為了獲得最大的檢測精度，在組裝過程中，所有尋邊器均經過嚴格檢驗及調整。為了增加安全性，在表的行程末端有紅色安全標記。

– IP 67 防水等級

Universal 3D-Sensor

The Universal 3D-Sensor is a very precise and versatile measuring instrument for milling and EDM machines (insulated probe). Once clamped into the machine spindle, the run-out (T.I.R) is fully adjustable to Zero. Then, it can be used to bring the spindle axis on the edges of the workpiece. This allows to set zeros and to measure quickly and easily, approachability in any direction (X-, Y-, Z- axis). When the dial gage shows zero, the spindle axis is exactly on the edge of the workpiece.

No calculating of the probe's ball diameter is necessary – just Zero it out! Problems with mathematics or calculations are eliminated. It helps increasing the productivity and accuracy of the operator.

Short and long probes are available. The sensor probes may be changed without any tool, no re-calibration of the unit is needed.

Additional safety, the unit has a large overrun distance in connection with the fully tested preset breaking points giving the sensor long life. All Universal 3D-Sensors are individually tested and adjusted when being assembled in order to achieve a maximum of measuring precision.

– IP 67 waterproof

技術資料 / Technical details

3D-Sensor 尋邊器包括 $\varnothing 4$ mm 短探針 Universal 3D-Sensor with clamping shank $\varnothing 20$ mm including short probe tip $\varnothing 4$ mm	
精度 / Accuracy 不包含夾持桿的長度 / Length without clamping shank 訂購編號 / Order No. 80.360.00.FHN	0.01mm 113mm
相關配件 / Accessories	
短探針 $\varnothing 4$ mm / Short probe tip $\varnothing 4$ mm 訂購編號 / Order No. 80.362.00	
長探針 $\varnothing 8$ mm / Short probe tip $\varnothing 8$ mm 訂購編號 / Order No. 80.363.00	

建議使用 HAIMER 刀柄

Recommended HAIMER tool holders

	訂購編號 / Order No.
短型SK40側固刀柄 / short chuck SK 40	40.305.20
SK50	50.300.20
BT40	40.500.20
BT50	50.500.20
HSK-A 50	A50.000.20
HSK-E 50	E50.000.20
HSK-A 63	A63.000.20
HSK-A 80	A80.000.20
HSK-A 100	A10.000.20