

NIKKEN



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E460N

E460N - OVERVIEW

The latest E460N Tool Presetting machine has been developed as the second level option for our new generation of advanced tool presetting machines.

Designed to be bench mounted the E460N features a ground granite base and column, stainless steel construction and ergonomic design combined with a TFT 15" colour touch screen. The Touch Screen provides full operator control and selection of options and functions via an intuitive menu system - these new electronics provide operational and functional simplicity that is second to none. One major new feature of the E460N is the ability to rotate the spindle/tool through 360 degrees and the presetter automatically saves and displays the maximum radius/diameter and length for the tool

The precision spindle system is fully interchangeable and utilises a one piece cartridge (backward compatible with the previous E450N model) - eliminating the need for adaptors and the errors associated with their use. The new system also provides a vacuum clamping system for positive location and security of the tool location within the spindle.

Improvements from the E450N

The increased cross section and size of the column gives added stability up to 600mm and this theme is continued with revised axis carriages that also deliver increased reliability. The mechanical axis brake and control system have been completely updated from the previous model and finally, and most noticeably, the original pendant & operator panel are now combined in to one single touch screen system that is located away from the camera and column.



ToolingUP Software

Included with the E460N presetter is our exclusive ToolingUp software package. Linked via USB connection and running on a secondary PC ToolingUp provides basic offline tool management function and storage for individual machine tools and their associated sets of tools.

The system also includes a Post Processor utility which enables tool offsets to be instantly converted into the correct code to suit numerous CNC machine tool controllers.

Unlike similar systems numerous Post Processor variations are included within the system as standard. All are customizable and editable to meet individual machine requirements.

E460N QUICK FACTS	
Bench model	
Natural granite base & column	
Stainless steel mechanical elements	
MEASURING RANGE	
X Axis: Diameter of tool $\varnothing 0 - \varnothing 400\text{mm}$	
Z Axis: Length of tool 0 - 600mm	
TOOL MEASURE	
CNC machine origin management	
Tool list creation and/or single tool	
SPINDLES	
Interchangeable vacuum clamp spindles	
Spindles: ISO / BT / IT / HSK / Capto / VDI	
MIN. READING INCREMENT	
X Axis: 0.001mm (radius / diameter)	
Y Axis: 0.001mm	
PC & SCREEN	
15" TFT LCD colour touch screen	
Ubuntu Linux OS	
Intel Atom D.C fanless motherboard	
USB connection for PC link & printing	
Data Storage on Solid State Disk Drive	
VISION SYSTEM	
C-MOS Sensor - image 6.4 x 6.4mm	
Magnification circa 30x	
Dual mode camera	
Tool inspection as standard	
POWER	
AC 100~230V	
DIMENSIONS	
1070mm (L), 595mm (W), 1140mm (H)	
ToolingUp	
Balluff Compatible (excludes hardware)	