

Data Sheet

Reference No.: 53239

Machining Center - Univ. (APC)

Brand: KERN
Model: PY NANO
YoM, approx.: 2015 used
Reconditioned:
Controls: CNC controls HEIDENHAIN I TNC 530



Working Range -cubic-

number of processing axes (excl parallel axes):	5
.. among of them simultaneous CNC axes:	5
X-axis travel:	500 mm
Y-axis travel:	500 mm
Z-axis travel:	400 mm
rotating range A-axis from:	-10 °
rotating range A-axis up to:	110 °
rotating range C-axis from:	0 °
rotating range C-axis up to:	360 °

spindle / head

spindle revolutions (max):	42000 /min
tool fixture: HSK E40	

Axis drives

rapid traverse:	30000 mm/min
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Tool magazine

magazin type: disc magazine	
number of positions:	75

automatic workload equipment

number of store positions:	120
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Electrical specifications

mains voltage:	400 V
mains frequency:	50 Hz

Dimensions / weights

space requirements -left/right-:	2900 mm
space requirements -front/back-:	2450 mm
total height:	2820 mm
total weight approx.:	8000 kg

attachments

tool breakage detector: yes
zero-point workholding system: yes
central lubrication system: yes
coolant unit: yes
closed cabin: yes
European CE standards: yes

Additional Information:

Machine condition: TOP
- Spindle replaced in March 2025 (approx. 1000 hours)

Machine features:

- Hydrostatic guideways
- Oil coolant
- Workpiece changer System 3R (Workpartner 1+)
- * 100 positions for ITS 50
- * 20 positions for ITS 148
- PowerChuck P Ø150 table chuck
- BLUM laser tool measurement
- Renishaw OMP400 infrared probe
- Air extraction

Seller:

ProdEq Trading GmbH
Michael Weishaupt
Reckholder 1, 9527 Niederhelfenschwil, Switzerland
+41 71 948 70 60
michael.weishaupt@prodeq.ch

Photos & Documents

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WZW

Video Template:

| <https://www.youtube.com/embed/kXcArdCmoJk> | |