

KT38 Kitchen Top

CNC Countouring Center

The KT38 is a powerful 3-Axis CNC machine, designed to be the ideal stoneworking center.

The absolute precision of the movements is guaranteed by a state of art transmission on linear ball guides, moved by brushless motors through ball screws.

Optional Left and Right Spindle Group Rotation: this option allows the machine to make polished drainboards for kitchen tops.

Optional Surface Probe: this option allows the machine to work parts with inconsistent thickness with the polished side up.

Optional Mounted Diameter Probe Laser: for automatically assessing diameters for tools.

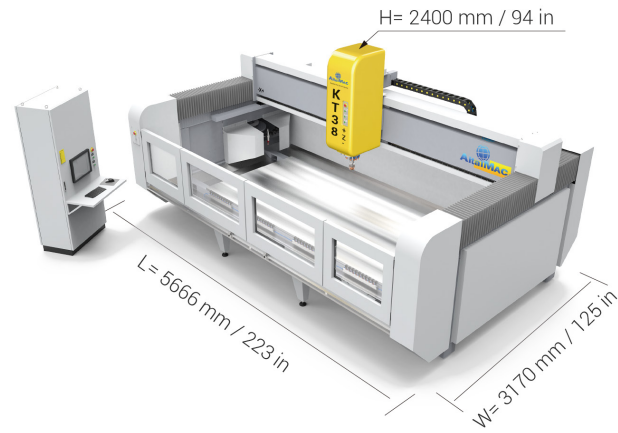
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DETAILS

- Includes standard 27 automatic tool change stations on a tool carousel optionally extendable to 108
- 4-interpolated axis X, Y (REAL gantry controlled), Z and A (Spindle position control), controlled by Aitek's CNC online monitoring system capable of 9 axis interpolation
- The machine includes with a water centrifugal vacuum pump (LRVP) in stainless steel made for creating suction without complication even if muddy water is present in the vacuum system



TECHNICAL DATA

Workable area(x,y,z)	3790,1815,420 mm/149,72,17 in
Max. tool diameter	120 mm/4.72 in
Overall dimensions	5036x3170x2400 mm/198x125x94 in
Max. spindle nose to table	540 mm/21.25 in
Tool holder cone	Cone ISO 40
Automatic tool change stations	27 (54 optional) number
Electric spindle power	7 kw/S1-9 kw/s3
Electric spindle torque	38/70 nm
Variable cutting & return speed	0-35 m/min / 0-115 ft/min
Air pressure required	7 bar / 102 psi
Total weight	4200 kg/9260 lbs
Water consumption	20-50 l/min / 5-13 gal/min
Vacuum pump motor power	1.5 kw / 2 hp
Vacuum pump capacity	0.45 m3/min
Max. install power	16 kw/20 hp
Max. spindle rotation	10000(14000 optional rpm)
Power requirements	20 kw / 220 v / 3phase