

# widcnc R200K

## TECHNICAL DATA SHEET

| IDENTIFICATION |                                                                                                                                                                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Designation    | CNC machine                                                                                                                                                                                                                                                     |
| Brand          | widcnc                                                                                                                                                                                                                                                          |
| Model          | R200K                                                                                                                                                                                                                                                           |
| Function       | Computer numerical control machine, used for cutting and milling various materials. Featuring an optical positioning system for registry point reading and an oscillating tangential knife for the cutting of low-density materials, such as foam or cardboard. |

| CHARACTERISTICS             |                                               |
|-----------------------------|-----------------------------------------------|
| Working Area                | 2050 x 3050 mm                                |
| Installation Area (W*L*H) * | 4250 *4350*2500 mm                            |
| Electrical Requirements     | 380V AC F+N+T 50/60Hz, 32A                    |
| Weight                      | 1750 Kg                                       |
| Maximum Speed (X/Y Axis)    | < 50m/min                                     |
| Maximum Speed (Z Axis)      | < 15 m/min                                    |
| Repetition Precision        | ± 0.03mm                                      |
| Positioning Precision       | ± 0.02mm                                      |
| Maximum motor rotation      | < 24.000 RPM                                  |
| Interface                   | 10/100 Ethernet and USB                       |
| Working Temperature         | 10-40 °C                                      |
| Relative Humidity           | 10-80% without condensation                   |
| Noise Emission              | <85 dB (depending on the material/ tool used) |

\*Consult the regulations in the country of installation for the security measurements.

These specifications may be subject to change without prior notice.

| ACCESSORIES AND CONSUMABLES |                             |
|-----------------------------|-----------------------------|
| Centralized lubrication oil | Galp TransGear 68 / Similar |
| Cutting oil                 | Agip Motax 100 / Similar    |
| Rack and pinion lubricant   | Lithium grease              |
| Ball screw lubricant        | Lithium grease              |
| Vacuum filter               | widcnc vacuum filter        |
| Coupling                    | ER32                        |

| PREVENTATIVE MAINTENANCE                      |            |
|-----------------------------------------------|------------|
| Visual inspection of the equipment            | Daily      |
| Inspection of oil/ fluid levels               | Weekly     |
| Filter cleaning                               | Monthly    |
| Inspection of rack and pinion and ball screws | Monthly    |
| Vacuum system cleaning                        | Biannually |
| Electric component examination *              | Annually   |
| Axis examination*                             | Annually   |
| General inspection*                           | Annually   |
| Levelling*                                    | Annually   |

\*Maintenance procedures to be performed exclusively by especially trained technicians.