

# Technical data

| Machine type   | KEL-VISTA     |                                     |                          |
|--|---------------|-------------------------------------|--------------------------|
| <b>Main specifications</b>                             |               |                                     |                          |
| Distance between centres                               | mm            | 800                                 | 1000                     |
| Grinding length  | mm            | 600                                 | 1000                     |
| Centre height  | mm            |                                     | 175                      |
| Weight of workpiece between centres                    | kg            |                                     | 100                      |
| Load on chucked work                                   | Nm            |                                     | 100                      |
| Mains voltage required                                 |               | 3 x 400V / 50 Hz / 3 x 460V / 60 Hz |                          |
| Power consumption depending on equipment A             |               | 25                                  |                          |
| Space required / length x width                        | mm            | 2400 x 1700                         | 3000 x 1700              |
| <b>Longitudinal / slide: Z-axis</b>                    |               |                                     |                          |
| Travel   | mm            | 750                                 | 1150                     |
| Rapid traverse speed                                   | m/min         |                                     | 12                       |
| Resolution   | µm            |                                     | 0.1                      |
| Swivelling range of upper table                        | degree        |                                     | 9                        |
| <b>Wheelslide: X-axis</b>                              |               |                                     |                          |
| Travel   | mm            |                                     | 350                      |
| Rapid traverse speed                                   | m/min         |                                     | 6                        |
| Resolution   | µm            |                                     | 0.1                      |
| <b>Swivel devices</b>                                  |               |                                     |                          |
| Autom. indexing / 1° Hirth coupling                    |               |                                     | option                   |
| Man. indexing / 2.5° Hirth coupling                    |               |                                     | yes                      |
| Swivelling range                                       | degree        |                                     | +10 -210                 |
| <b>Wheelhead general</b>                               |               |                                     |                          |
| Drive motor water-cooled                               | kW            |                                     | 5                        |
| Peripheral grinding wheel speed                        | m/s           |                                     | 35 / 40                  |
| <b>Wheelhead R / UR</b>                                |               |                                     |                          |
| Grinding wheel dimensions, lefthand side               | mm            |                                     | 400 x 63 x 127           |
|  | option        |                                     | 450 x 80 x 203           |
| Grinding wheel dimensions, righthand side              | mm            |                                     | 300 x 40 x 127           |
| <b>Wheelhead RS</b>                                    |               |                                     |                          |
| Grinding wheel dimensions, righthand side              | mm            |                                     | 450 x 80 x 203           |
| <b>Internal grinding attachment only for UR</b>        |               |                                     |                          |
| Bore for spindles up to                                | mm            |                                     | 120                      |
| Rotational speed of spindle, motor infinitely variable | min-1         |                                     | 6 – 21'000               |
| Motor output   | kW            |                                     | 2.5                      |
| <b>Workhead</b>  |               |                                     |                          |
| Rotational spindle speed                               | min-1         |                                     | 1 – 800                  |
| Driving torque spindle                                 | Nm            |                                     | 24                       |
| Spindle nose / internal taper                          |               |                                     | DIN 55026 #5 MT5 / ASA 5 |
| Swivelling range                                       | option degree |                                     | -10 +100                 |
| <b>Tailstock</b>                                       |               |                                     |                          |
| Internal taper   |               |                                     | MT4                      |
| Retraction of sleeve                                   | mm            |                                     | 48                       |
| Micro-adjustment                                       | option µm     |                                     | + / -60                  |
| <b>CNC control system</b>                              |               |                                     |                          |
| GEFanuc  |               |                                     | 2li                      |
| <b>Measuring systems</b>                               |               |                                     |                          |
| Gap Control  |               |                                     | Movomatic                |
| Active longitudinal positioning                        |               |                                     | Movomatic                |
| Passive longitudinal positioning                       |               |                                     | Movomatic                |
| In-process gauging                                     |               |                                     | Movomatic                |

All specifications and designs are subject to alterations without notice

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