

## Technical data

| <b>Wheelhead type</b>                     |        | <b>UR</b>                           | <b>R</b> |
|---|--------|-------------------------------------|----------|
| <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      | 35 – 63                             |          |
| Space required / length x width           | mm     | 3010 x 2050 / 3600 x 2050           |          |
| <b>Longitudinal slide: Z-axis</b>         |        |                                     |          |
| Travel                                    | mm     | 750 / 1150                          |          |
| Rapid traverse speed                      | m/min  | 15                                  |          |
| Resolution                                | µm     | 0.1                                 |          |
| Swiveling range of upper table            | degree | 9 / 9                               |          |
| <b>Wheelslide: X-axis</b>                 |        |                                     |          |
| Travel                                    | mm     | 320                                 |          |
| Rapid traverse speed                      | m/min  | 7.5                                 |          |
| Resolution                                | µm     | 0.1                                 |          |
| <b>Swivel devices</b>                     |        |                                     |          |
| B-axis                                    |        | standard                            |          |
| Resolution                                | sec    | 0.1                                 |          |
| Swiveling range                           | degree | 240                                 |          |
| Fixed intermediate section                |        |                                     | standard |
| <b>Wheelhead general</b>                  |        |                                     |          |
| Drive motor water-cooled                  | kW     | 7.5                                 |          |
| Peripheral grinding wheel speed           | m/s    | 35 / 45                             |          |
| <b>Wheelhead UR</b>                       |        |                                     |          |
| Grinding wheel dimensions, lefthand side  | mm     | 400 / 500                           |          |
| Grinding wheel dimensions, righthand side | mm     | 300 / 400                           |          |
| <b>Wheelhead R</b>                        |        |                                     |          |
| Grinding wheel dimensions, lefthand side  | mm     | 500                                 |          |
| <b>Internal grinding attachment</b>       |        |                                     |          |
| Bore for spindles up to                   | mm     | 120                                 |          |
| HF spindles MFV, optional                 | kW     | 5.2 / 8                             |          |
| <b>Workhead standard</b>                  |        |                                     |          |
| Rotational spindle speed                  | min-1  | 8 – 800                             |          |
| Driving torque spindle                    | Nm     | 30                                  |          |
| Spindle nose / internal taper             |        | DIN 55026 # 5 MK 5 / ASA 5          |          |
| Swiveling range option                    | degree | – 10 + 100                          |          |
| <b>Tailstock</b>                          |        |                                     |          |
| Internal taper                            |        | MT 4                                |          |
| Retraction of sleeve                      | mm     | 48                                  |          |
| Micro-adjustment optional                 | µm     | + / – 60                            |          |
| <b>CNC control system</b>                 |        |                                     |          |
| Heidenhain                                |        | GRINDplusIT                         |          |
| <b>Measuring systems</b>                  |        |                                     |          |
| Gap Control                               |        | KEL-TOUCH                           |          |
| Active longitudinal positioning           |        | Movomatic                           |          |
| Passive longitudinal positioning          |        | Movomatic                           |          |
| In-process gauging                        |        | Movomatic                           |          |
| Balancing                                 |        | KEL-BALANCE                         |          |

All specifications and designs are subject to alterations without notice