

## Technical specifications Quick Vision Elf

| Model   |                         | QVE 202 PRO |                                     |
|---|-------------------------|-------------|-------------------------------------|
| Measuring range [mm]                                      | X x Y x Z               |             | 250 x 200 x 200                     |
| Scales  | Resolution [µm]         |             | 0,1                                 |
|   | Type                    |             | Reflective linear encoders          |
| Driving method  |                         |             | DC servo motor and ball screw       |
| Guide method  |                         |             | Hard bearing                        |
| Image processing unit                                     |                         |             | 1/2" B/W CCD camera                 |
| Illumination  | Transmitted light       |             | white LED                           |
|   | Coaxial light           |             | white LED                           |
|   | Programmable ring light |             | white LED, 4 quadrants              |
| Optical system  |                         |             | Automatic power turret (1x, 2x, 6x) |
| Measuring accuracy [µm]                                   | E1                      | X, Y        | (2.0 + 0.003 L)                     |
|   |                         | Z           | (3.0 + 0.005 L)                     |
| Max. driving speed [mm/s]                                 | X, Y, Z                 |             | 200                                 |
| Stage glass size [mm]                                     | W x D                   |             | 311 x 269                           |
| Max. workpiece mass [kg]                                  |                         |             | 15                                  |
| Dimensions incl. stage                                    | W x D x H               |             | 586 x 847 x 1528                    |
| Mass [kg]   | Main unit with stage    |             | 270                                 |
| Temperature range in which the accuracy is warranted [°C] |                         |             | 20 ± 1                              |