

| Location                  | Manufacturer        | Name           | Equipment type  | Sensor                  | Measuring range                | Resolution / measurement error                |
|---------------------------|---------------------|----------------|---|-------------------------|--------------------------------|---|
| Hemhofen                  | Werth               | Scope-Check FB | Coordinate measuring machine                          | Optical, tactile, laser | 530 mm x 500 mm x 350 mm       | Linear meas. deviation<br>E3 3.5 + (L/100) µm |
| Hemhofen                  | Werth               | Scope-Check    | Coordinate measuring machine                          | Optical, tactile        | 400 mm x 200 mm x 200 mm       | Linear meas. deviation<br>E3 4.5 + (L/100) µm |
| Hemhofen                  | Mitutoyo            | KF-175         | Measuring projector                                   | Optical                 | 200 mm x 150 mm                | 0.005 mm                                      |
| Hemhofen                  | Mitutoyo            | SJ-401         | Surface roughness tester                              | Tactile                 | 0.800 mm                       | 0.000125 µm<br>(with 8 µm meas. range)        |
| Hemhofen                  | Hegewald&Peschke    | Inspect 10     | Tensile/compressive tester                            | Tactile                 | 10 kN                          | 1 N   |
| Hemhofen                  | X-Rite              | SP60           | Spectral photometer                                   | Optical                 | 0 - 200% reflection            | 10 nm   |
| Hemhofen                  | Mitutoyo / Mahr     | Various        | Calipers  | Tactile                 | Up to 500 mm                   | Error limit<br>0.02 mm                        |
| Hemhofen                  | Mitutoyo / Mahr     | Various        | Dial gages  | Tactile                 | Up to 50 mm                    | 0.001 mm - 0.010 mm /<br>0.003 mm - 0.02 mm   |
| Hemhofen                  | Mitutoyo / Mahr     | Various        | Micrometer calipers                                   | Tactile                 | Up to 30 mm                    | 0.001 mm /<br>0.002 mm                        |
| External service provider | Erlangen University | Various        | E.g. linear measuring equipment, stress crack test... | Various                 | Various                        | Various                                       |
| External service provider | Werth               | TomoScope      | Coordinate measuring machine                          | Computed tomography     | Up to 900 mm x 800 mm          | Linear meas. deviation<br>3.2 + (L/70) µm     |
| External service provider | Leitz               | PMM 603825     | Coordinate measuring machine                          | Tactile                 | 6000 mm x 3800 mm x<br>2500 mm | Linear meas. deviation<br>3.7 + (L/350) µm    |