

## Inspection Data Form 1/2

Name of Institution \_\_\_\_\_

Model : MobilrArt Evolution

|   | Measurement date                 |                 |                   |                  |
|---|----------------------------------|-----------------|-------------------|------------------|
|   | Created by                       |                 |                   |                  |
| Measured Item   | Details                          | On Installation | Before Adjustment | After Adjustment |
| Air-conditioning, storage location  | Temperature (°C)<br>Humidity (%) |                 |                   |                  |
| Power supply voltage (no load)  | Across P0 – P2 (V)               |                 |                   |                  |
| Check the earth   | OK / Replace                     |                 |                   |                  |
| Check appearance  | OK / Replace                     |                 |                   |                  |
| Check Caution/Warning labels  | OK / Replace                     |                 |                   |                  |
| Clean the instrument  | OK / Clean                       |                 |                   |                  |
| Check cable connection  | OK / Adjust                      |                 |                   |                  |
| Check cable condition   | OK / Replace                     |                 |                   |                  |
| Check fixing condition of the mechanical parts                                | OK / Adjust                      |                 |                   |                  |
| Radiography circuit operation   | OK / Adjust                      |                 |                   |                  |
| Starter circuit operation   | OK / Adjust                      |                 |                   |                  |
| X-ray tube protective circuit operation                                       | OK / Adjust                      |                 |                   |                  |
| Radiography tube voltage accuracy   | 80 kV 3.2 mAs                    |                 |                   |                  |
|   | 100 kV 12.5 mAs                  |                 |                   |                  |
| Radiography tube current accuracy   | 80 kV 3.2 mAs                    |                 |                   |                  |
|   | 100 kV 12.5 mAs                  |                 |                   |                  |
| Exposure time accuracy  | 80 kV 3.2 mAs                    |                 |                   |                  |
|   | 100 kV 12.5 mAs                  |                 |                   |                  |
| Tightness of high-voltage cables and bushings (high-voltage transformer side) | OK / Replace                     |                 |                   |                  |
| X-ray tube unit   | OK / Replace                     |                 |                   |                  |
| Tightness of high-voltage cables and bushings (X-ray tube side)               | OK / Replace                     |                 |                   |                  |
| Low-voltage cable   | OK / Replace                     |                 |                   |                  |

## Inspection Data Form 2/2

Name of Institution \_\_\_\_\_

Model : MobilArt Evolution

|  | Measurement date |                 |                   |                  |
|--|------------------|-----------------|-------------------|------------------|
|  | Created by       |                 |                   |                  |
| Measured Item                          | Details          | On Installation | Before Adjustment | After Adjustment |
| Support arm vertical movement          | OK / Adjust      |                 |                   |                  |
| Suspension wire damage and attachment  | OK / Replace     |                 |                   |                  |
| Support arm lateral movement           | OK / Adjust      |                 |                   |                  |
| Attachment of rails and bearings       | OK / Tighten     |                 |                   |                  |
| Column rotation                        | OK / Adjust      |                 |                   |                  |
| Column fixture                         | OK / Adjust      |                 |                   |                  |
| Tube rotation about arm                | OK / Adjust      |                 |                   |                  |
| Tube support unit fixture              | OK / Tighten     |                 |                   |                  |
| Tube rotation about tube axis          | OK / Adjust      |                 |                   |                  |
| X-ray Tube fixture                     | OK / Tighten     |                 |                   |                  |
| Arm catch operation and display        | OK / Adjust      |                 |                   |                  |
| Arm Catcher ASSY fixture               | OK / Tighten     |                 |                   |                  |
| Operation switches and displays        | OK / Replace     |                 |                   |                  |
| Cable connection of operation switches | OK / Replace     |                 |                   |                  |
| Travel operation (handle)              | OK / Adjust      |                 |                   |                  |
| Brake operation                        | OK / Adjust      |                 |                   |                  |
| Travel wheel and caster fixture        | OK / Tighten     |                 |                   |                  |
| Collimator leaf open/close operation   | OK / Adjust      |                 |                   |                  |
| Effective irradiation field            | OK / Adjust      |                 |                   |                  |
| Collimator fixture                     | OK / Tighten     |                 |                   |                  |
| Collimator rotation mechanism          | OK / Adjust      |                 |                   |                  |
| Cassette box mounting                  | OK / Tighten     |                 |                   |                  |
| Cord reel                              | OK / Replace     |                 |                   |                  |
| Check remote controller operation      | OK / Adjust      |                 |                   |                  |
| Check Dose Area Product Meter          | OK / Adjust      |                 |                   |                  |
| Check Protective Screen option         | OK / Tighten     |                 |                   |                  |