


| SRE HEX | SRE HEX 40.50 MAN | | SRE HEX 50.70 MAN | | SRE HEX 50.70 CNC | |
|---|---|---|--|-----------|--|-----------|
| | 160 kV | | 160 kV | 225 kV | 160 kV | 225 kV |
| GENERAL / AXES | | | | | | |
| Inspection envelope | Ø 400 × H 500 mm | | Ø 500 × H 700 mm | | Ø 500 × H 700 mm | |
| CT measuring cylinder (Ø × H) | Not available | | Not available | | 160 × 160 mm | |
| Inspection part weight | 15 kg | | 25 kg | | 25 kg | |
| Turntable | Ø 300 mm | | Ø 300 mm | | Ø 300 mm | |
| Tilt angle beam | ± 30° | | ± 30° | | ± 30° (not available in the CT version) | |
| Total number of axes | 5 + 2 (w/ optional shutter) | | 5 + 2 (w/ optional shutter) | | 5 + 2 (shutter) | |
| Axes movements | Part = X (horizontal) -Z (magnification) -V (rotation 360°) X-Ray = Y (vertical) -U (tilting) | | Part = X (horizontal) -Z (magnification) -V (rotation 360°) X-Ray = Y (vertical) -U (tilting) | | Part = X (horizontal) -Z (magnification) -V (rotation 360°) X-Ray = Y (vertical) -U (tilting*) (*not available on the CT version) | |
| Tube Shutter | 2 axes motorized shutter (diaphragm) *Optional | | 2 axes motorized shutter (diaphragm) *Optional | | 2 axes motorized shutter (diaphragm), programmable positions | |
| Axes speed | up to 8 m/min | | up to 10 m/min | | up to 15 m/min | |
| RADIATION-SHIELDED CABINET | Self-contained lead + steel, movable by fork-lift | | | | | |
| Approx. dimensions (W×D×H) | 2.100 × 1.450 × 2.000 mm | | | | | |
| Approx. weight | 1.500 kg. | 1.950 kg. | 1.500 kg. | 1.950 kg. | 1.500 kg. | 1.950 kg. |
| Loading door dim. W × H | 500 × 800 mm | | | | | |
| Door type | Double leaf sliding motorized | | | | | |
| Radiation Protection | The radiation shielding is designed to ensure a radiation leakage of less than 0,5 micro Sievert per hour | | | | | |
| IMAGING | | | | | | |
| Focal spot to Detector Distance | 850 mm | | | | | |
| Image Intensifier / Camera | 6 inches single field or 9 inches triple field | | | | | |
| Entrance field diameter | 150 / 200 mm | | | | | |
| Output image diameter | 20 mm / 20 - 25 mm (QX) | | | | | |
| CCD Camera | Analogue CCIR or Digital 1k × 1k | | | | | |
| Frame rate | 50 / 30 fps | | | | | |
| 8 inches FPD Detector | | | | | | |
| Active area | 200 × 200 mm | | | | | |
| Pixel size | 200 µm - 400 µm (binning mode) | | | | | |
| Frame rate (14 bit ADC) | 15 fps / 30 fps | | | | | |
| Frame rate (16 bit ADC) | 25 fps / 50 fps | | | | | |
| Image Processor | BHT IP Plus with HDI (HDR technology, available with FPD only) **Options: ♦ "Extreme" version with reference images functions ♦ "BHT DDA evaluator" for aerospace application | | | | | |
| X-RAY EQUIPMENT | | | | | | |
| X-ray tube | MONOBLOCK X-Ray Generator XRG 160IT | | MXR 160 HP, or MXR 160/20 | | MXR 225 HP - others on request | |
| Focal spot size | 1.0 (EN12543) 0.4 (IEC 336) | | d=0.4/1.0 (EN12543)0.15/0.4 (IEC 336) d=1.0/1.0 (EN12543)0.4/0.4 (IEC 336) | | d=1.0/1.0 (EN12543) 0.4/0.4 (IEC 336) d=0.4/1.0 (EN12543)0.15/0.4 (IEC 336) d=1.0/1.0 (EN12543)0.4/0.4 (IEC 336) | |
| Power | 320W | | 800/1800W - 640/640W | | 800/1800W - 640/640W | |
| HIGH VOLTAGE GENERATOR | | | XRG160-1.6 SI - XRG160-.64 CI | | XRG160-1.6 SI - XRG160-.64 CI | |
| Output Voltage | 20 ÷ 160kV | | 20 ÷ 160kV - 20 ÷ 160kV | | 20 ÷ 160kV - 20 ÷ 160kV | |
| Output Power | 320W | | 800/1600W - 640W | | 800/1600W - 640W | |
|  | | Bosello High Technology S.r.l. Via San Bernardo, 25/27 - 21012 Cassano Magnago (VA) Italia | | | | |

