

# HI-RAD

## INDUSTRIAL X-RAY EQUIPMENT

(Made in China)

**HI-RAD** portable gas insulated x-ray equipment are economical yet versatile in technical features. They work on medium frequency which help in making the x-ray tube head (x-ray generator) small in size and light in weight for easy portability. **HI-RAD** X-ray equipment have several features that are generally available in high priced normal radiography equipment. The Control panel is micro-processor based with built in memory for automatic preheating. They are designed to operate both at 230 Volts mains as well as with diesel generators for site radiography.

### HI-RAD PORTABLE INDUSTRIAL X-RAY EQUIPMENT

| Code   | Model    | Type        | kV      | mA | Focal Spot (mm) | Generator Weight (Kgs) | Penetration in steel (mm) |
|--------|----------|-------------|---------|----|-----------------|------------------------|---------------------------|
| 01.201 | XXQ-1005 | Directional | 20-100  | 5  | 0.8 x 0.8       | 8.5                    | 8                         |
| 01.202 | XXH-1005 | Panoramic   | 20-100  | 5  | 1.0 x 3.5       | 8.5                    | 8                         |
| 01.203 | XXQ-1605 | Directional | 40-160  | 5  | 0.8 x 0.8       | 16.0                   | 18                        |
| 01.204 | XXH-1605 | Panoramic   | 40-160  | 5  | 1.0 x 3.5       | 10.5                   | 11                        |
| 01.205 | XXQ-2005 | Directional | 100-200 | 5  | 1.5 x 1.5       | 20.0                   | 30                        |
| 01.206 | XXH-2005 | Panoramic   | 100-200 | 5  | 1.0 x 3.5       | 20.0                   | 27                        |
| 01.207 | XXQ-2505 | Directional | 150-200 | 5  | 2.0 x 2.0       | 37.0                   | 40                        |
| 01.208 | XXH-2505 | Panoramic   | 150-200 | 5  | 1.0 x 2.4       | 20.0                   | 38                        |
| 01.209 | XXQ-3005 | Directional | 170-300 | 5  | 2.3 x 2.3       | 44.0                   | 50                        |
| 01.210 | XXH-3005 | Panoramic   | 170-300 | 5  | 1.0 x 2.3       | 47.0                   | 47                        |

**NOTE:** All the above DRIGC portable x-ray equipment are fitted with Glass x-ray tube inserts. **HI-RAD** x-ray machine can also be supplied with Metal Ceramic x-ray tubes. Please ask for details.

### HI-RAD CONSTANT POTENTIAL INDUSTRIAL X-RAY EQUIPMENT

**HI-RAD** constant potential x-ray machines have dual focus and high radiation output. With normal focal spot, radiography time reduces many fold helping in more output. Operating with smaller focal spot, helps in radiography of critical components at location where film-focus distance is small. The steel penetration is also higher vis-à-vis that with regular x-ray equipment.

| Code   | Model      | Type        | kV  | mA     | Focal Spot(mm)      | Penetration (Fe/mm) |
|--------|------------|-------------|-----|--------|---------------------|---------------------|
| 01.301 | XY-1520 /4 | Directional | 150 | 20 / 4 | 3.0x3.0 (0.4 x 0.4) | 28                  |
| 01.302 | XY-22510/3 | Directional | 225 | 10 / 3 | 2.0x2.0 (0.6 x 0.6) | 45                  |
| 01.303 | XY-3010 /3 | Directional | 300 | 10 / 3 | 4.0x4.0 (1.2 x 1.2) | 70                  |
| 01.304 | XY-4010 /3 | Directional | 400 | 10 / 3 | 4.5x4.5 (1.5 x 1.5) | 95                  |
| 01.305 | XY-4510 /2 | Directional | 450 | 10 / 2 | 4.5x4.5 (1.0 x 1.0) | 105                 |

### DRIGC REAL TIME INDUSTRIAL X-RAY EQUIPMENT

**HI-RAD** Real-time x-ray equipment can be used for mass inspection of components. The radiographic image need not be recorded on the film. The image appearing on the TV monitor can be evaluated for the presence of defects and can also be recorded on a video tape for later reference. It saves lot of time of film processing and also saves on film cost. Further the part can be rotated on the inspection table in all directions for better evaluation. Details available on request.