

X-ray Grids

Grid 1000
Aluminum - Interspaced Grid for Radiography

Grid 2100
Carbon Graphite - Interspaced Grid for Mammography

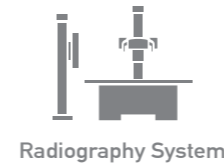
Grid 3000
Fiber - Interspaced Grid for Radiography



Improving Quality of Life



X-ray Grid



Radiography System



Software



Computed Radiography



Processor



X-Ray Accessories



RF Treatment



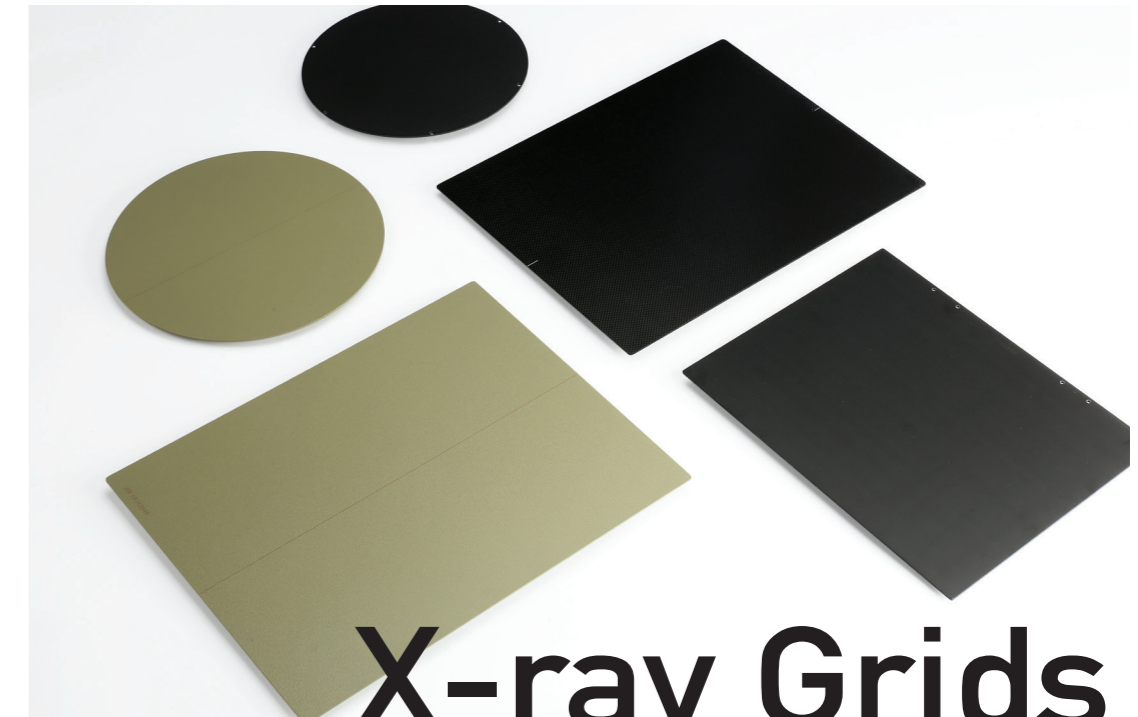
Diagnostics



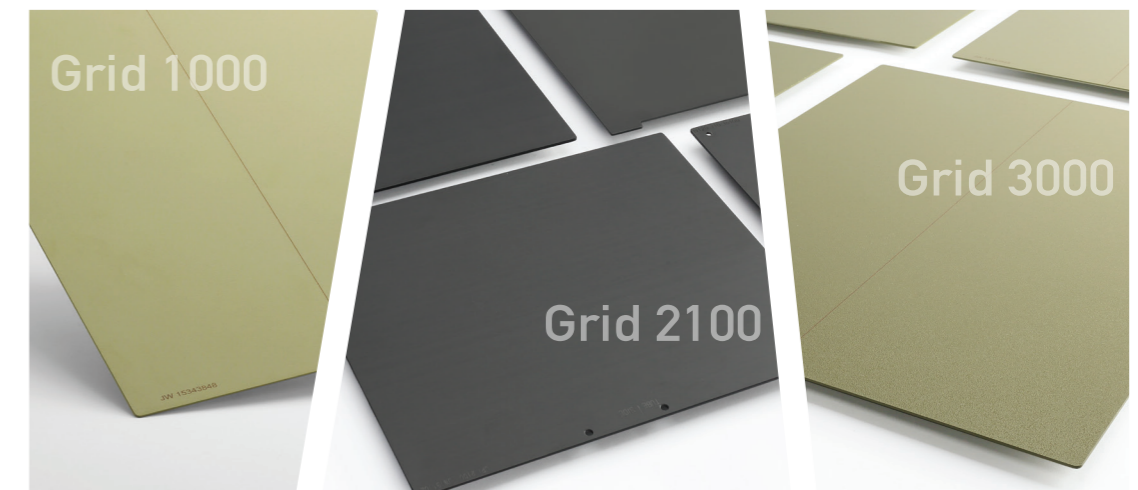
Grid 1000

Grid 2100

Grid 3000



X-ray Grids



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Grid 1000 | 02 page

Grid 2100 | 04 page

Grid 3000 | 06 page

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Improving Quality of Life



with Aluminum Cover

Grid 1000

Aluminum - Interspaced Grid for Radiography

Dimension : from 5"x7" to 14"x51"

Line Density : from 60LPI to 300LPI

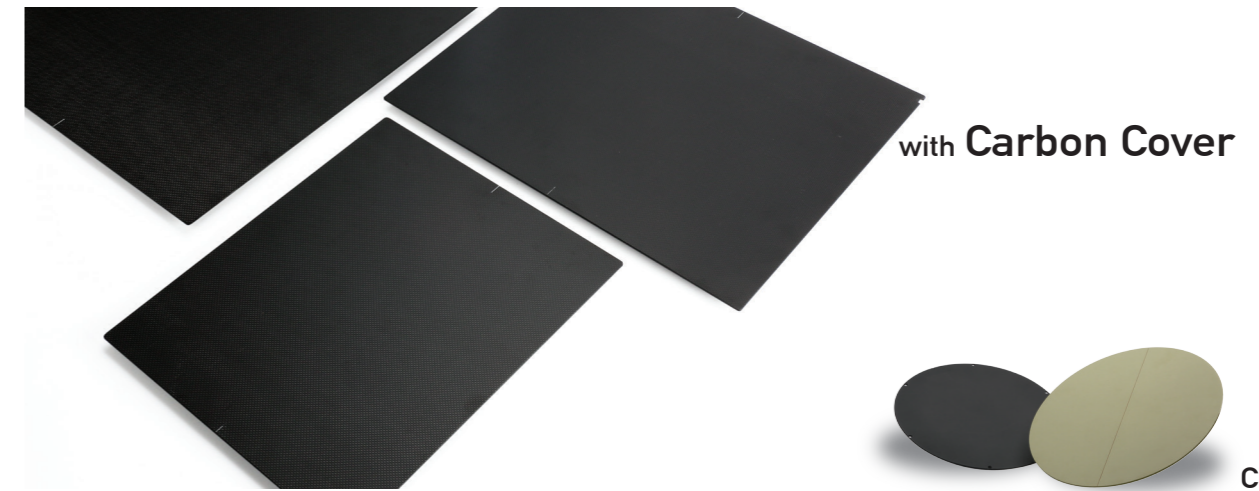
Ratio : from 3:1 to 18:1

Focal Distance : from short to infinity

Efficiency in removing scattered radiation / Lower Dosage High Contrast Image

Features

- JPI grids contain the purest lead to ensure superior efficiency in removing scattered radiation.
- Superior quality Images are achieved through the use of aluminum inter-spacers and lead strips, precisely milled to uniformity.



with Carbon Cover

Circular Grid

Grids improve the transmission rate which reduces the Bucky Factor. This ultimately reduces patient exposure.

Specifications

LineRate(L/Cm)	LineRate(L/Inch)	Ratio	F.D (Cm)	★ Grid Type
40	103	8, 10, 12	90 ~ 200	AAS
52	132	8, 10, 12		AAC
80	200	8, 10, 12		ACS
85	215	8, 10, 12		ACC
90	230	8, 10, 12		

★ AAS : Aluminum Interspacer, Aluminum Cover, Square
ACS : Aluminum Interspacer, Carbon Cover, Square

AAC : Aluminum Interspacer, Aluminum Cover, Circular
ACC : Aluminum Interspacer, Carbon Cover, Circular

Physical Characteristics

Division	Tp(±10%)	B(±10%)	K(±10%)	S(±10%)
40/10	63	3.5	2.2	4.6
52/12	62	3.7	2.3	4.9
200/8	74	2.2	1.6	2.3
215/10	71	2.5	1.8	2.8
230/12	69	2.8	1.9	3.4

This test was done based on IEC 60627 2001 (2nd), Clause 5.1.4b), 5.2.1, 5.2.3 The international test standard for aluminum grids.

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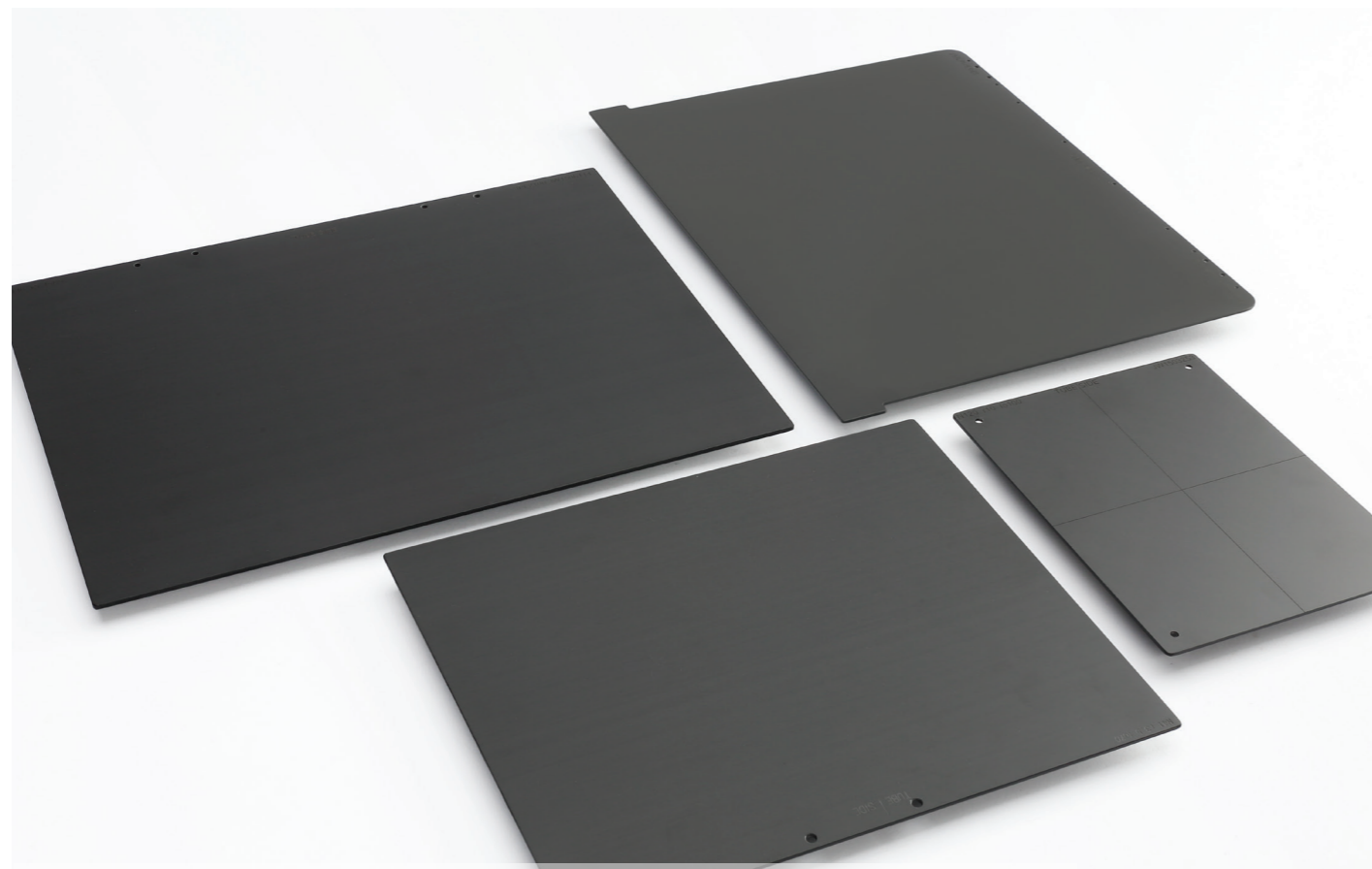
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Improving Quality of Life



Grid 2100

Carbon Graphite - Interspaced Grid for Mammography

Specifications

- High Transmission Grid for Digital Imaging.
- It improves the transmission rate which reduces the Bucky Factor This ultimately reduces patient exposure.

Features

A Carbon Graphite-Interspaced with Carbon-fiber covered Grid which is optimal for digital mammography units. Using the sawing process from the field of semi-conductors, JPI Grid-2100 can be controlled to very small measurements, which eliminates the abnormal uniformity of density such as Moire phenomenon.



Physical Characteristics

LineRate(L/Cm)/Ratio	Digital Image Test			
	Tp(±10%)	B(±10%)	K(±10%)	S(±10%)
31/4	76	1.73	1.36	4.00
36/5	75	1.75	1.38	4.10
41/5	74	1.78	1.40	4.20

- X-ray Condition: a. 35kVp 50mAs, b. F/S 0.5mm, c. F.D 60cm, d. Mo Filtration.
- Measurement : Fluorescent Meter.
- This test was done based on IEC 60627 2001 (2nd), Clause 5.1.4b), 5.2.1, 5.2.3 The international test standard for mammo grids.

Tomo Grid

	Tp(±10%)	B(±10%)	K(±10%)	S(±10%)
-100L/r5	72	1.8	1.4	4.2

Static Grid (Anrad Mammo Detector)

	Tp(±10%)	B(±10%)	K(±10%)	S(±10%)
-120L/r5	70	1.82	1.43	4.3

★ Static Mammo Solution : The grid can be customized for detectors.

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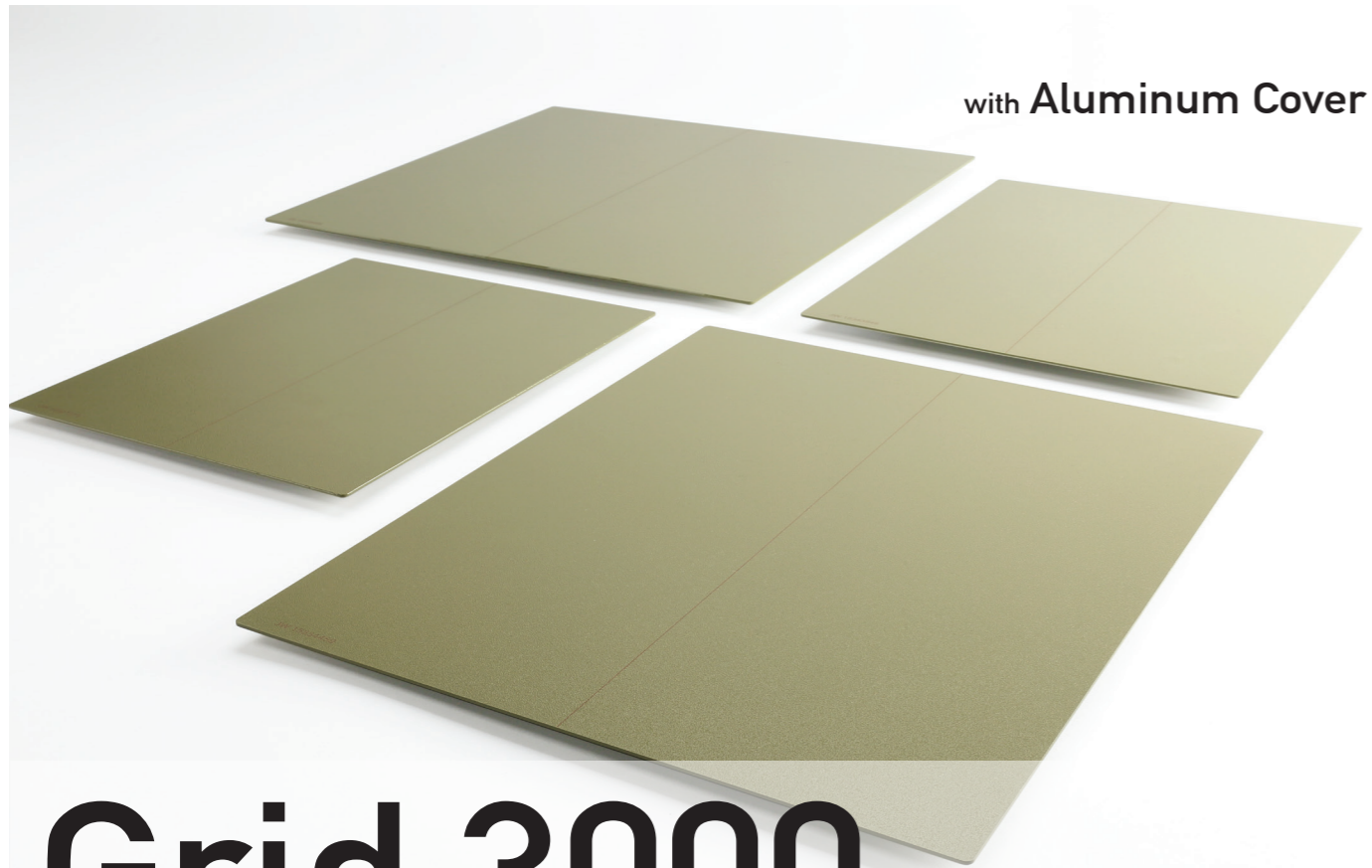
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Improving Quality of Life



with Aluminum Cover

Grid 3000

Fiber - Interspaced Grid for Radiography

Features

JPI fiber grid has made low-dose shot feasible with the excellent X-ray transmission performance. Moreover, it has strong high durability to changes in temperature and humidity.

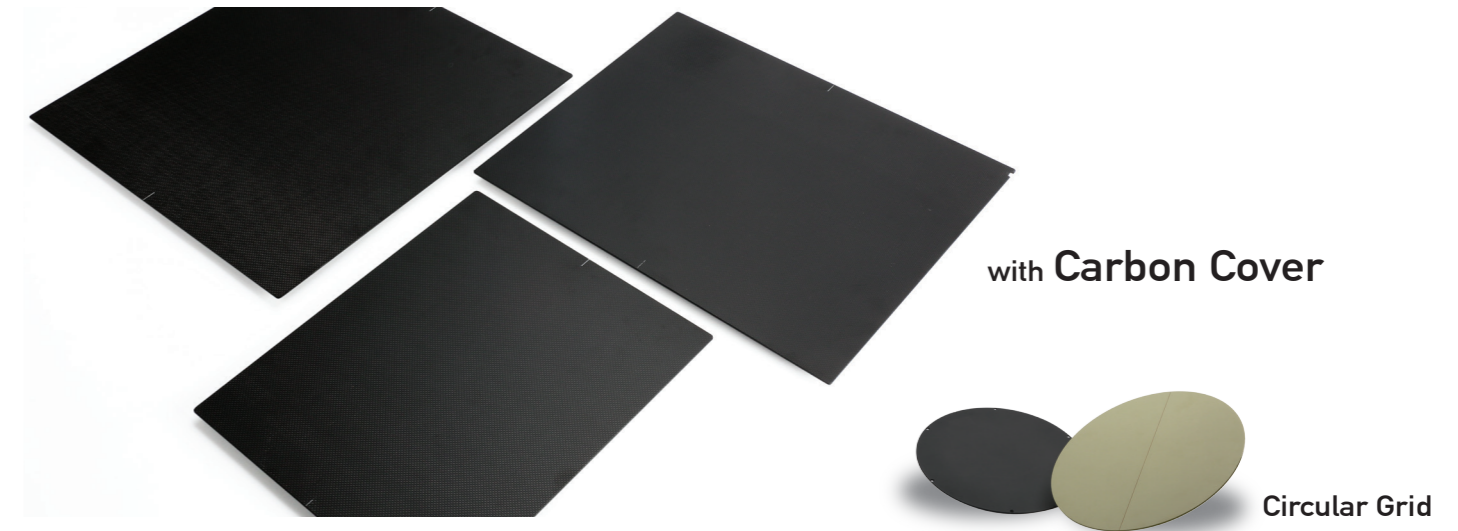


Dimension : from 5"x7" to 14"x51"

Line Density : from 60LPI to 300LPI

Ratio : from 3:1 to 18:1

Focal Distance : from short to infinity



with Carbon Cover

Circular Grid

Specifications (FCS & FCC)

LineRate(L/Cm)	LineRate(L/Inch)	Ratio	F.D (Cm)	★ Grid Type
36	92	8, 10, 12	80 ~ 200	FAS
41	103	8, 10, 12,15		FAC
60	150	10, 13, 15		FCS
70	178	13, 15, 17		FCC
85	215	13, 15, 17		

★ FAS : Fiber Interspacer, Aluminum Cover, Square
FCS : Fiber Interspacer, Carbon Cover, Square

FAC : Fiber Interspacer, Aluminum Cover, Circular
FCC : Fiber Interspacer, Carbon Cover, Circular

Physical Characteristics

- 100L/r5	Tp(±10%)	B(±10%)	K(±10%)	S(±10%)
36/8	76	4.5	3.4	5.9
41/10	77	4.7	3.6	6.4
60/13	71	5.7	4.1	8.5
70/13	72	5.1	3.7	6.8
85/15	70	5.4	3.8	7.3

This test was done based on IEC 60627 2001 (2nd), Clause 5.1.4b), 5.2.1, 5.2.3 The international test standard for fiber grids.

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