

Hiner-pack® 2-inch Waffle Pack / Chip Tray Catalog

Designed for safe handling, storage, and transport of bare die, discrete devices, and small semiconductor components across manufacturing and test

Hiner-pack Waffle Pack/Chip Trays are engineered for the secure handling and packaging of bare dies, chips, and small semiconductor devices. To meet diverse operational and branding needs, these trays are available with custom color options beyond the standard black. Color-coded trays not only simplify product identification and inventory management but also enhance workflow efficiency in automated handling environments. Each tray is designed for compatibility with automated handling, inspection, and pick-and-place systems, ensuring reliability from assembly to final packaging.

FEATURES & BENEFITS

- Compact Form Factor – Ideal for small bare die, discrete devices, R&D, and sampling scenarios
- Dense Pocket Layout – Maximizes component capacity while maintaining precise alignment
- Automation Ready – Seamlessly integrates with automated workflows to boost yield and production efficiency
- ESD-Safe Construction – Choice of conductive or static-dissipative materials
- Precision Alignment – Excellent flatness supports microscopic inspection and automated sorting
- Stack & Clip Ready – Designed for stacking; works with cover and clip for secure transport
- Optional Colors – Supports lot identification and visual management



WAFFLE PACK/CHIP TRAY ACCESSORIES

Part Number	Tray Size & Function	Style	Capacity	Material	Outline Size (mm)
HN2097	2" Clip/Clamp	1 Piece Clip	1+1	Antistatic-PP	55.2×51.5×10.6
HN21110	2" Clip/Clamp	1 Piece Clip	1+1	Antistatic-PP	55×50.61×11
HN1923	2" Clip/Clamp	2 Pieces Clip	1+1	Antistatic-PP	55.3×37.3×10.5
HN22113	2" Clip/Clamp	Spring Box	1+10	Antistatic-PP	56.12×56×34.98
HN1616	2" Cover/Lid	Reverse side with grid-like bumps	N/A	ABS/PC	50.7×50.7×3.5
HN1950	2" Cover/Lid	Reverse side is smooth	N/A	ABS/PC	50.7×50.7×3.5

* 1+1: one cover/lid + one tray; 1+10: one cover/lid + ten tray.

SPECIFICATIONS

NO.	Part Number	Outline Size (mm)	Pocket Size (mm)	Matrix
1	HN857	50.7×50.7×4	1.2×1.2×0.5	22×22=484
2	HN8101	50.7×50.7×4	2.84×1.84×0.6	12×16=192
3	HN914	50.7×50.7×4	1.95×1×0.15	24×16=384
4	HN916-A	50×50×5	3.2×3.2×0.3-BASE	10×10=100
5	HN917-B	50×50×3.7	3.2×3.2×0.3-TOP	10×10=100
6	HN918	50.7×50.7×4	2.1×2.1×0.85	17×17=280
7	HN932	50.7×50.7×4	4.0×3.6×0.43	10×9=90
8	HN941	50.7×50.7×4	2.5×0.85×0.5	18×12=226
9	HN950	50.7×50.7×3.5	(Bottom Plane)	(Lid)
10	HN975	50.7×50.7×4	1.7×4.05×0.75/5×5×0.65	7×7=49
11	HN993-A	50.7×50.7×4	38×2.67×1.1	10
12	HN994-B	50.7×50.7×4	(2 Inch Lid)	/
13	HN997	50.7×50.7×4	2.02×1.77×0.61	15×14=210
14	HN0005	50.7×50.7×4	0.5×0.8×0.15	20×25=500
15	HN018	50.8×50.8×4	2×1.12×0.5	10×10=100
16	HN025	50×50×5	2.4×2.42×0.7	10×10=100
17	HN030	50.7×50.7×4	3×3×0.8	10×10=100

18	HN069	50.7×50.7×4	1.4×1.4×0.26	10×10=100
19	HN072	50.7×50.7×4	4.3×2×0.15	13×7=91
20	HN078	50.7×50.7×4	4.83×3.94×0.65	10×8=80
21	HN079	50.7×50.70×4	0.7×1.2×0.25	10×10=100
22	HN081	50.7×50.7×4	1.6×3.15×0.54	10×6=60
23	HN084	50.7×50.7×4.21	1.95×1.4×0.97	10×11=110
24	HN097	55.2×51.5×10.5	51.5×51×5.25	(Clip)
25	HN1042	55.2×51.5×12	51.5×51×6.85	(Clip)
26	HN1008	50.7×50.7×4	1.3×0.86×0.64	10×10=100
27	HN1018	50.7×50.7×4	/	15×2=30
28	HN1022	50.8×50.8×3.94	3.98×6.11×1.08	6×8=48
29	HN1038	50.5×50.5×5	7.6×6.2×1.7	5×5=25
30	HN1039	50.5×50.5×5	4.8×4.8×1.7	6×7=42
31	HN1041-A	50.7×50.7×4.7	7.25×1.6×0.8	3×5×5=75
32	HN1041-B	50.7×50.7×4.7	6.5×1.6×1.1	3×5×5=75
33	HN1041-C	50.7×50.7×4.7	6.6×1×2	3×5×5=75
34	HN1063	50.7×50.7×4	1.2×0.9×0.8	20×22=440
35	HN1070	50.7×50.7×4	/	6×7+6×7=84
36	HN1072	50.7×50.7×4	1.6×3.15×0.54	11×6=66
37	HN1074	50.7×50.7×4	9.7×7.2×0.95	4×5=20
38	HN1093	50.7×50.7×4	0.95×1.25×0.46	20×20=400
39	HN1102	50.8×50.8×4	5.31×5.31×0.41	7×7=49
40	HN1109	50.7×50.7×4	3.9×5.2×0.6	6×7=42
41	HN1111	50.75×50.75×3.96	4.6×4.6×1.0	7×7=49
42	HN1117	50.7×50.7×4	3.25×6.15×0.3	6×10=60
43	HN1118	50.7×50.7×4	2.8×1.0×0.3	10×20=200
44	HN1121	50.7×50.7×4	7.5×4.1×0.7	5×8=40
45	HN1123-A	50.72×50.72×3.96	8.99×10.36×1.98	3×4=12
46	HN1123-B	50.72×50.72×3.96	4.83×3.94×0.65	2×3=6
47	HN1123-C	50.72×50.72×3.96	14.86×11.96×1.98	2×3=6
48	HN1130	50.7×50.7×4	1.4×1.0×0.6	10×20=200

49	HN1131	50×50×4.5	1.8×1.4×0.9	18×15-16=254
50	HN1134	50.7×50.7×4	4.8×6.0×0.6	5×6=30
51	HN2007	50.7×50.7×4	3.55×4.65×0.85	7×8=56
52	HN2014	50.7×50.7×4	0.95×2.1×0.5	10×10=100
53	HN2016	50.7×50.7×4	1.4×0.9×0.8	20×22=440
54	HN2019	50.8×50.8×4	1.0×1.1×0.45	20×20=400
55	HN2020	50.8×50.8×4	1.93×1.04×1.47	14×12=1698
56	HN2026	50.8×50.8×3.96	4.32×5.17×0.66	7×8=56
57	HN2029	50.8×50.8×4	2.3×3.5×0.4	15×11=165
58	HN2030	50.8×50.8×4	2.3×4.3×0.5	8×13=104
59	HN2034	50.8×50.8×4	0.9×1.4×0.9	20×22=400
60	HN2043	50.7×50.7×4	2.1×2.1×1.0	15×15-6=250
61	HN2057	50.8×50.8×4	2.13×3.88×0.48	13×8=104
62	HN2061	50×50×4	6×18.5×0.32	2×6=12
63	HN2080-A	50.7×50.7×4	3.05×1.6×0.55	13×9=117
64	HN2081-B	50.7×50.7×4	3.95×2.3×0.55	11×8=88
65	HN2081-A	50.7×50.7×4	3.15×3.15×0.45	9×9=81
66	HN2082-B	50.7×50.7×4	3.85×3.65×0.45	8×8=64
67	HN2082	50.7×50.7×4	5.3×5.3×0.55	6×6=36
68	HN2099	50.8×50.8×4	1.8×3.7×0.45	9×15=135
69	HN2112	50.8×50.8×3.94	6.99×4.79×0.65	5×6=30
70	HN2123	50.7×50.7×4	3.4×2×1	8×11=88
71	HN2137	50.8×50.8×3.94	6.13×5.36×0.79	5×6=30
72	HN2151	50.7×50.7×4	10.0×4.0×1.20	4×8=32
73	HN2152	50.7×50.7×4	6.73×4.19×0.76	6×9=54
74	HN2153	50.7×50.7×4	9.75×4.39×1.14	4×8=32
75	HN2154	50.7×50.7×4	13.3×1.8×0.5	15×3=45
76	HN2155	50.7×50.7×4	16×2.2×0.6	13×2=26
77	HN2160	50.8×50.8×4	6.5×4.5×0.975	5×6=30
78	HN2164	50.8×50.8×4.4	25×3.6×0.4	1×8=8
79	HN3013	50.8×50.8×4	2.7×3.7×0.65	8×7=56

80	HN3045	50.7×50.7×4	6.72×4.13×0.80	6×9=54
81	HN3046	50.7×50.7×4	7.00×5.60×0.60	5×6=30
82	HN3069	50.8×50.8×6.2	1.87×2.6	10×10=100
83	HN3074	50.7×50.7×4	1.85×2.05×0.82	10×6=60
84	HN3078	50.7×50.7×4/50.7×50.7×3.5	/	10×10=100
85	HN3089	50.8×50.8×4	1.8×0.92×0.84	10×10=100
86	HN3114	50.8×50.8×3.94	5.8×3.93×0.67	6×8=48
87	HN3117	50.7×50.7×4	5.8×2.0×1.3	5×12=60
88	HN3118	50.7×50.7×4	3.7×2.87×1.5	8×10=80
89	HN3119	50.7×50.7×4	4.85×2.75×0.4	7×11=77
90	HN3120	50.7×50.7×4	3.2×0.9×0.5	9×18=162
91	HN3121	50.7×50.7×4	3.2×1.35×0.5	9×15=135
92	HN3144	50.8×50.8×3.5/50.8×50.8×4	3×3.5×0.54	9×10=90
93	HN3157	50.7×50.7×4.2	0.75×0.9×0.08	22×22=484
94	HN3158	50.8×50.8×3.94	6.34×4.05×0.67	5×8=40
95	HN3165	50.8×50.8×3.94	4.33×3.17×0.745	8×8=64
96	HN3167	50.8×50.8×3.94	6.23×4.36×0.787	5×7=35
97	HN3171	50.8×50.8×3.94	6.23×4.36×0.66	5×7=35
98	HN3172	50.8×50.8×3.94	6.14×4.27×0.66	5×7=35
99	HN3173	50.7×50.7×4.0	1.1×0.4×0.57	17×25=425
100	HN3174	50.8×50.8×4.0	4.39×3.61×0.50	8×10=80
101	HN3178	50.8×50.8×3.94	/	/
102	HN3181	50.8×50.8×4	1.55×0.95×0.306/1.55×0.6×0.306	10×10=100
103	HN3182	50.8×50.8×3.94	4.64×4.22×0.755	6×7=42
104	HN3194	50.7×50.7×4.2	0.75×1.625×0.08	22×15=330
105	HN3196	50.7×50.7×4.2	0.75×1.26×0.08	22×17=374
106	HN3197	50.7×50.7×4.2	0.75×3.075×0.08	22×10=220
107	HN3203	50.8×50.8×4.2	0.225×13×0.105	2×25=50
108	HN3205	50.8×50.8×5.7	15×7.5×2.52	2×4=8
109	HN3206	50.8×50.8×5.7	13.7×9×2.52	2×4=8
110	HN4004	50.8×50.8×3.94	5.06×4.49×0.885	6×6=36

111	HN4006	50.8×50.8×4	2.04×0.91×0.3	14×21=294
112	HN4007	50.7×50.7×5.5	5.00×2.141×2.157	7×12=84
113	HN4008	50.7×50.7×5.5	1.1×0.7×0.7	30×23=690
114	HN4009	50.7×50.7×5.5	2.0×3.5×0.7	10×16=160
115	HN4022	50.8×50.8×3.94	4.45×3.15×0.83	8×10=80
116	HN4023	50.8×50.8×3.94	3.95×3.10×0.80	8×8=64
117	HN4024	50.8×50.8×3.94	1.65×1.65×0.8	16×16=256
118	HN4025	50.8×50.8×3.94	4.2×3.3×0.83	8×8=64
119	HN4026	50.8×50.8×3.94	4.6×3.9×0.8	6×8=48
120	HN4027	50.8×50.8×3.94	6.3×4.45×0.85	6×8=48
121	HN4028	50.8×50.8×3.94	5.4×4.1×0.8	6×8=48
122	HN4029	50.8×50.8×3.94	3.95×3.1×0.83	8×8=64
123	HN4030	50.8×50.8×3.94	3.65×3.65×0.8	8×8=64
124	HN4032	50.8×50.8×3.94	5.38×3.50×0.67	6×8=48
125	HN4034	50.7×50.7×4	8.00×3.20×1.35	10×5=50
126	HN4035	50.7×50.7×4	4.20×3.00×1.30	11×8=88
127	HN4036	50.7×50.7×4	2.70×1.30×1.40	19×12=228
128	HN4038	50.7×50.7×4	4.40×3.00×0.35	11×8=88
129	HN4039	50.7×50.7×4	10.70×8.20×0.58	4×3=12
130	HN4040	50.7×50.7×4	3.65×1.45×0.4	18×9=162
131	HN4041	50.7×50.7×4	3.00×2.40×0.65	13×11=143
132	HN4045	50.8×50.8×3.94	6.71×3.90×0.66	5×7=35
133	HN4046	50.7×50.7×5.60	9.30×6.90×1.45	5×4=20
134	HN4055	50.8×50.8×4.0	4.65×1.11×0.79	7×14=98
135	HN4056	50.8×50.8×4.0	3.139×1.069×0.15	10×20=200
136	HN4069	50.8×50.8×6.2	2.26×2.3×2.3	10×10=100
137	HN4079	50.7×50.7×4	2.06×1.20×0.68	17×26=442
138	HN4080	50.7×50.7×4	5.84×4.57×0.72	6×8=48
139	HN4081	50.7×50.7×4	1.32×1.91×0.56	23×18=400
140	HN4082	50.8×50.8×4	1.55×0.80×0.45	10×10=100
141	HN4092	50.7×50.7×4	2.03×2.03×0.38	16×16=250

142	HN4094	50.7×50.7×4	4.95×2.2×1.16	14×7=98
143	HN4098	50.7×50.7×5.5	9.554×1.93×1.525	4×14=56
144	HN4099	50.7×50.7×4	1.2×0.5×0.7	37×23=851
145	HN4109	50.7×50.7×4	2.93×1.60×0.61	13×20-10=250
146	HN4110	50.7×50.7×4	1.01×1.9×0.55	10×10=100
147	HN4118	50.7×50.7×4	3.96×3.06×0.77	10×10=100
148	HN4119	50.7×50.7×4	4.8×1.04×0.30	21×7=147
149	HN4125	50.7×50.7×4	8.22×1.88×0.30	4×14=56
150	HN4130	50.8×50.8×4	1.75×1.2×0.35	10×10=100
151	HN4132	50.7×50.7×4	5.00×3.35×1.20	9×7=63
152	HN4135	50.8×50.8×3.94	7.23×6.55×0.78	5×5=25
153	HN4136	50.7×50.7×4	3.00×0.70×0.30	9×19=171
154	HN4141	50.7×50.7×4	3.55×1.40×0.79	16×9=144
155	HN4142	50.7×50.7×4	2.16×1.04×0.38	14×20=280
156	HN4146	50.8×50.8×4.36	1.08×1.08×2.18	15×15=225
157	HN4150	50.7×50.7×4	2.30×1.05×0.57	18×12=216
158	HN4152	50.8×50.8×4	2×1.12×0.86	10×10=100
159	HN4164	50.7×50.7×4	3.00×0.7×0.22	10×20=200
160	HN4168	50.8×50.8×6.2	1.35×1.30×1.0	10×10=100
161	HN4171	50.8×50.8×3.94	4.64×4.22×0.755	6×7=42
162	HN4174	50.8×50.8×3.94	6.49×3.86×0.67	5×7=35
163	HN4175	50.7×50.7×4	1.30×1.15×0.72	17×18=306
164	HN4177	50.7×50.7×4	1.68×1.55×0.67	16×17=272
165	HN4187	50.8×50.8×4	1.57×0.98×0.41	10×10=100
166	HN4190	50.8×50.8×4	2.2×1.35×0.53	10×9=90
167	HN4191	50.8×50.8×3.94	8.76×5.51×0.685	4×6=24
168	HN4194	50.7×50.7×4	1.58×0.85×0.7	17×24=408
169	HN4198	50.7×50.7×4	1.8×1.8×1.27	16×16=256
170	HN4199	50.8×50.8×3.94	4.1×4.0×0.9	7×7=49
171	HN4200	50.8×50.8×3.94	6.7×4.0×1.07	5×7=35
172	HN4206	50.7×50.7×4	Φ3.0×0.75	10×10=100

173	HN4216	50.7×50.7×4	4.0×1.0×0.6	18×8=144
174	HN4224	50.7×50.7×4	6.45×3.16×0.85	6×10=60
175	HN4233	50.7×50.7×4	1.2×0.5×0.5	17×25=425
176	HN4235	50.7×50.7×4	2.60×2.50×0.67	13×12=156
177	HN4238	50.8×50.8×5.77	7×6×1.3	5×6=60
178	HN4240	50.7×50.7×4	4.85×2.75×0.50	11×7=77
179	HN5002	50.7×50.7×4	0.70×0.64×0.47	24×23=552
180	HN5003	50.7×50.7×4	1.08×0.75×0.25	22×19=418
181	HN5007	50.7×50.7×4	6.7×3.1×0.5	5×10=50
182	HN5010	50.8×50.8×3.94	6.04×3.63×0.67	5×7=35
183	HN5013	50.7×50.7×4	10.2×4.2×0.45	8×4=32
184	HN5017	50.8×50.8×4	0.81×1.94×0.51	10×10=100
185	HN5019	50.7×50.7×4	5.5×3.2×0.38	10×6=60
186	HN5021	50.7×50.7×4	1.4×1.0×0.65	21×18=378
187	HN5026	50.8×50.8×3.94	12.12×2.04×0.86	3×13=39
188	HN5028	50.7×50.7×6	8.95×4.41×1.7	4×8=32
189	HN5037	50.8×50.8×4	0.35×13×0.105	2×25=50
190	HN5040	50.8×50.8×6.2	2.31×2.35×2.63	10×10=100
191	HN5041	50.8×50.8×6.2	2.83×2.12×2.63	10×10=100
192	HN5043	50.7×50.7×6	9.0×1.5×1.6	17×4=68
193	HN5049	50.8×50.8×4	5.7×4.5×1.08	4×6=24
194	HN5051	50.8×50.8×3.94	(2 Inch Lid)	/
195	HN5052	50.7×50.7×4	1.3×1.19×0.6	19×20=380
196	HN5053	50.8×50.8×4	1.37×1.1×0.5	14×15=210
197	HN5054	50.7×50.7×4	1.31×1.1×0.25	17×18=306
198	HN5075	50.7×50.7×6	11.30×2.40×1.80	3×13=39
199	HN5076	50.7×50.7×4	7.13×11.55×1.1	3×5=15
200	HN5077	50.7×50.7×4	0.70×0.58×0.75	28×26=728
201	HN5078	50.8×50.8×3.49	5.85×4.3×0.78	5×7=35
202	HN5082	50.7×50.7×4	5.00×5.00×0.37	7×7=49
203	HN5085	50.7×50.7×6	17.00×5.50×2.17	2×6=12

204	HN5090	50.7×50.7×6	13.85×5.50×2.17	2×6=12
205	HN5091	50.7×50.7×4	1.75×0.95×0.15	15×20=300
206	HN5095	50.7×50.7×4	1.931×0.90×0.65	22×15=330
207	HN5115	50.7×50.7×4	1.425×8.8×1.101	15×4=60
208	HN5116	50.7×50.7×4	3.33×0.7×0.212	23×9=207
209	HN5128	50.8×50.8×4	2.15×0.8×0.54	12×20=240
210	HN5132	50.7×50.7×4	5.04×4.55×0.70	7×8=56
211	HN5134	50.7×50.7×4	1.60×1.60×0.37	17×17=289
212	HN5136	50.7×50.7×4	8.80×3.00×1.50	11×4=44
213	HN5148	50.7×50.7×4	1.20×0.80×0.55	20×24=480
214	HN5149	50.7×50.7×4	2.14×0.65×1.10	23×13=299
215	HN5150	50.7×50.7×4	0.9×0.5×0.45	26×21=546
216	HN5152	50.7×50.7×6	1.8×2.6×1.935	14×11=154

* The above information is for reference only and does not cover all specifications.

* For more customization needs, please contact our team. We offer one-stop packaging solutions for your products.

MORE PRODUCT SERIES (www.waferboxes.com / www.jedecictrays.com)

Click on the titles below to see more details of other product series:

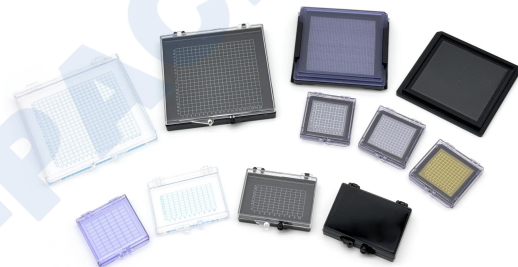
[Wafer Carrier Series](#)

[Metal Carrier Series](#)



[JEDEC Tray / IC Tray](#)

[Gel Box / Vacuum Release Box](#)



** For more customization needs, please contact our team. We offer one-stop packaging solutions for your products.*



Hiner-pack®

Corporate Headquarters

Bldg A11, Zone D, West Industrial Zone,
Minzhu Comm., Shajing St., Bao'an,
Shenzhen, Guangdong, China

Hiner-pack® is a registered trademark of Shenzhen Hiner Technology Co., Ltd.

©2013-2025 Shenzhen Hiner Technology Co., Ltd. | All rights reserved.

Customer Service

Tel	+86	755 2322 9236
Fax	+86	755 2996 0455
Work Time	08:00 - 18:00 (Beijing Time/UTC+8)	

www.waferboxes.com