

US0D1006253S

(12) **United States Design Patent** (10) **Patent No.: US D1,006,253 S**
Hackbart et al. (45) **Date of Patent: ** Nov. 28, 2023**

(54) **TRAY FOR FILLING OF VIALS, SYRINGES, AND CARTRIDGES FOR FILL AND FINISH MACHINES**

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(72) Inventors: **Arthur Hackbart**, St. Gallen (CH);
Nithan Vasanthamohan, St. Gallen (CH)

(73) Assignee: **SCHOTT Pharma Schweiz AG**, St. Gallen (CH)

(**) Term: **15 Years**

(21) Appl. No.: **35/515,496**

(22) Filed: **Sep. 29, 2022**

(80) **Hague Agreement Data**

Int. Filing Date: **Sep. 29, 2022**

Int. Reg. No.: **DM/224160**

Int. Reg. Date: **Sep. 29, 2022**

Int. Reg. Pub. Date: **Oct. 28, 2022**

(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.** **D24/229**
USPC

(58) **Field of Classification Search**

USPC D24/127, 128, 156, 216, 222–230;
D3/304, 307, 308, 314, 315; D7/354,
D7/361, 500, 550.1, 554.3, 587, 602;
D19/75, 85, 90

CPC A61B 5/150343; A61B 50/36; A61B
2050/3011; A61B 10/0045; A61B
10/0038; A61B 10/02; B01D 9/00; B01L
3/06; B01L

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D574,506 S * 8/2008 Monks D24/224
9,156,598 B2 * 10/2015 Nicoletti B01L 9/06

(Continued)

FOREIGN PATENT DOCUMENTS

JP D2006-35186 * 12/2007

OTHER PUBLICATIONS

Cartridges for user-friendly performance. Online, published date unknown. Retrieved on Apr. 18, 2023 from URL: <https://www.schott-pharma.com/en/products/pharmaceutical-cartridges/cartridge-large-volume>.*

Primary Examiner — Omeed Agilee

(74) *Attorney, Agent, or Firm* — Taylor IP, P.C.

(57) **CLAIM**

The ornamental design for a tray for filling of vials, syringes and cartridges for fill and finish machines, as shown and described.

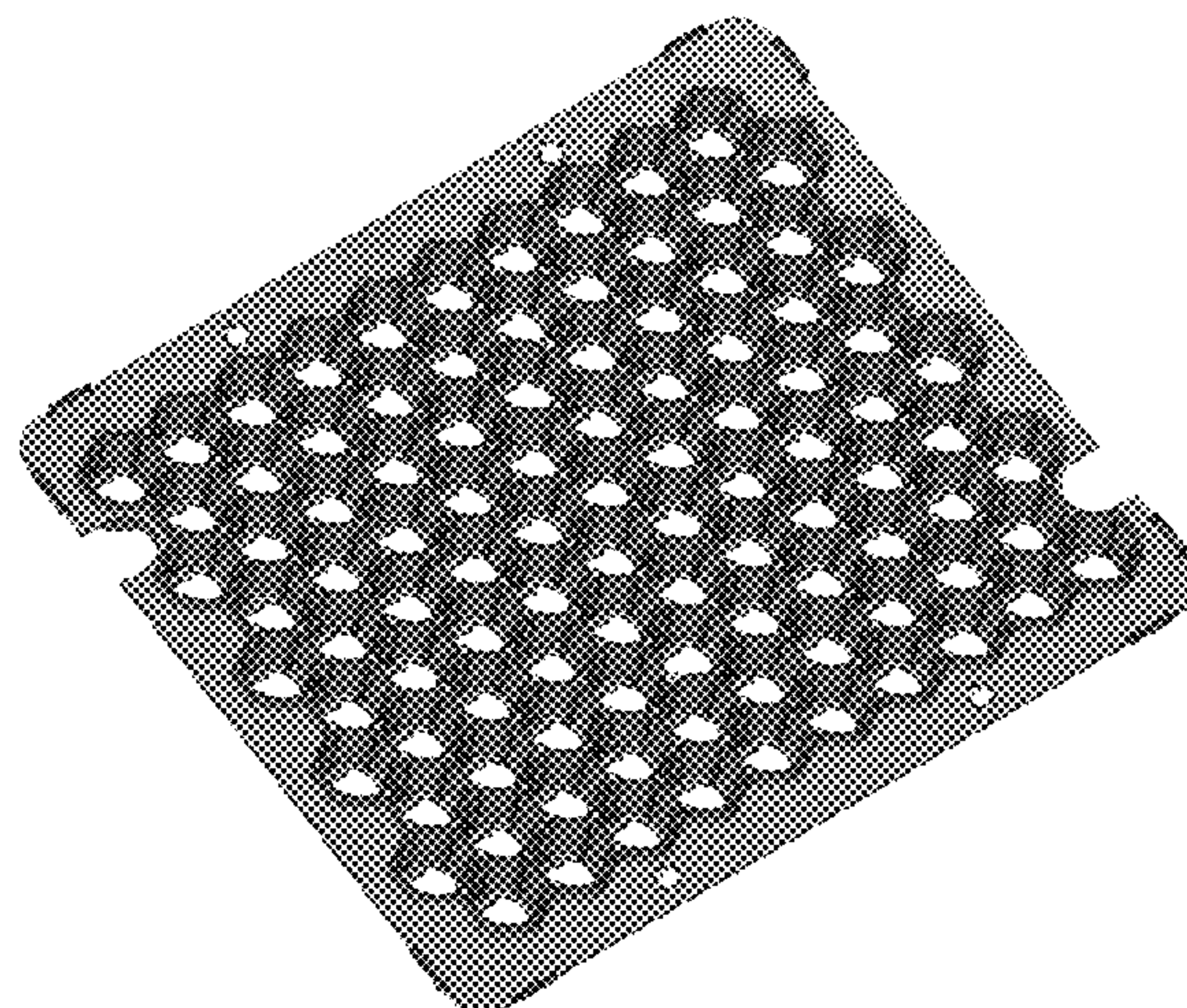
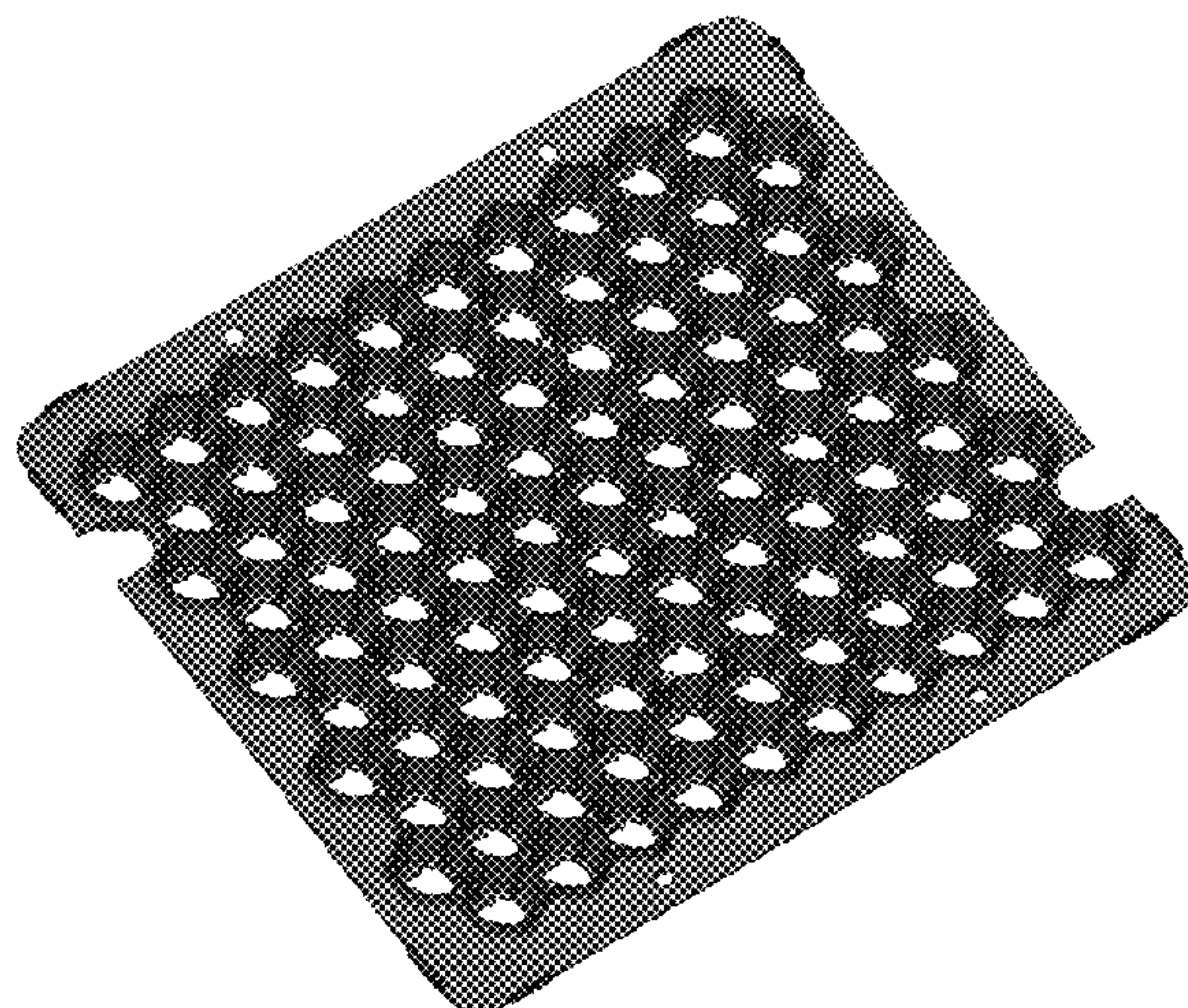
DESCRIPTION

Indication of products No(s) 1-2: Tray for filling of vials, syringes and cartridges for fill and finish machines

Fig. 1.1 is a left side top perspective view of a tray for filling of vials, syringes, and cartridges for fill and finish machines; fig. 1.2 is a top view thereof; fig. 1.3 is a bottom view thereof; fig. 1.4 is a front view thereof; fig. 1.5 is a back view thereof; fig. 1.6 is a right side view thereof; fig. 1.7 is a left side view thereof; fig. 1.8 is a right side top perspective view thereof; fig. 1.9 is a left side bottom perspective view thereof; and fig. 1.10 is a right side bottom perspective view thereof; fig. 2.1 is a left side top perspective view of a tray for filling of vials, syringes, and cartridges for fill and finish machines; fig. 2.2 is a top view thereof; fig. 2.3 is a bottom view thereof; fig. 2.4 is a front view thereof; fig. 2.5 is a back view thereof; fig. 2.6 is a right side view thereof; fig. 2.7 is a left side view thereof; fig. 2.8 is a right side top perspective view thereof; fig. 2.9 is a left side bottom perspective view thereof; and fig. 2.10 is a right side bottom perspective view thereof

The broken lines and the area within the broken lines in the figures of design 2 show portions of the product which form no part of the claimed designs.

1 Claim, 20 Drawing Sheets



(58) **Field of Classification Search**
CPC 3/502; B01L 3/5025; B01L 3/5082; B01L
3/5085; B65D 83/10; B65D 69/00
See application file for complete search history.

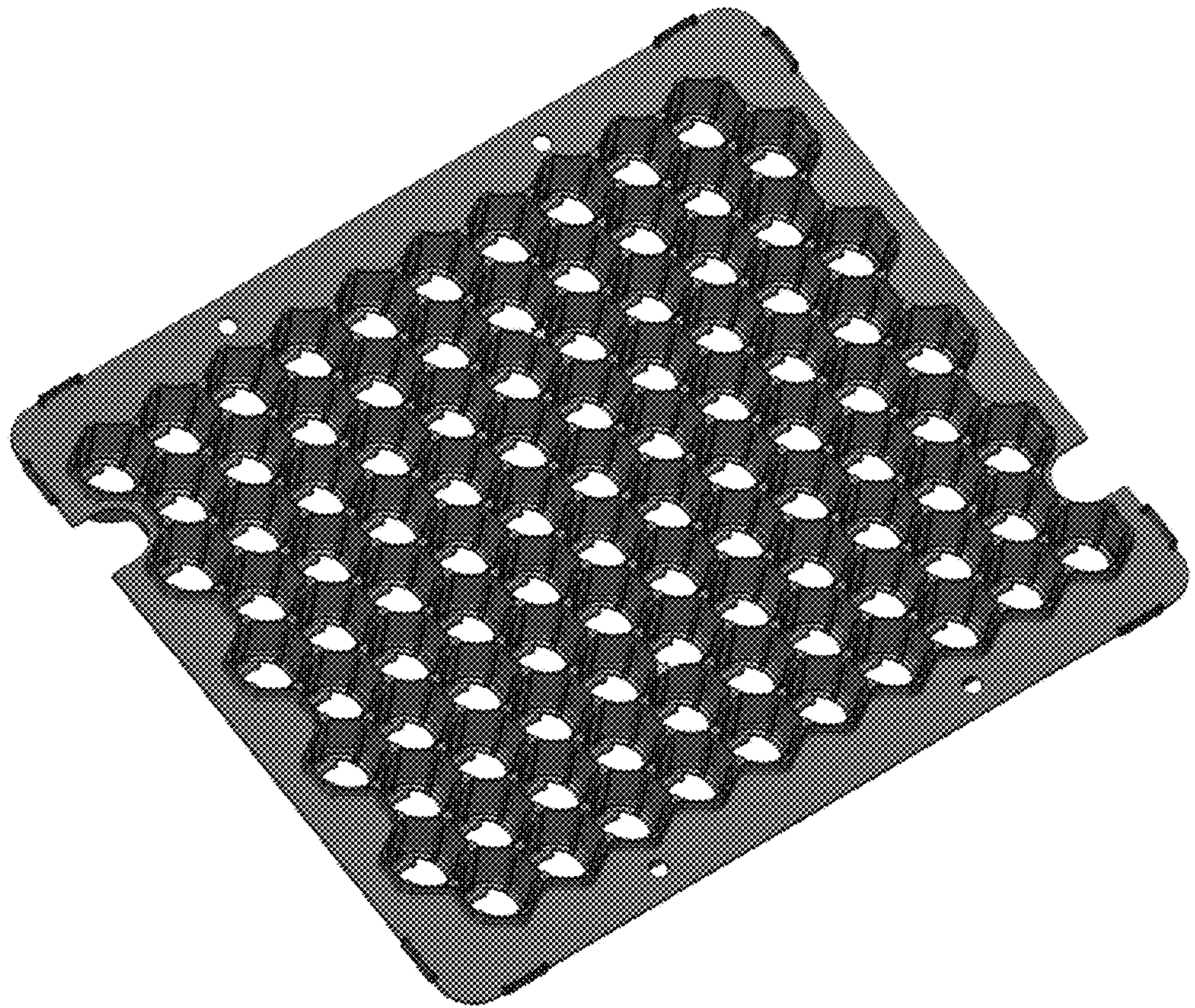
(56) **References Cited**

U.S. PATENT DOCUMENTS

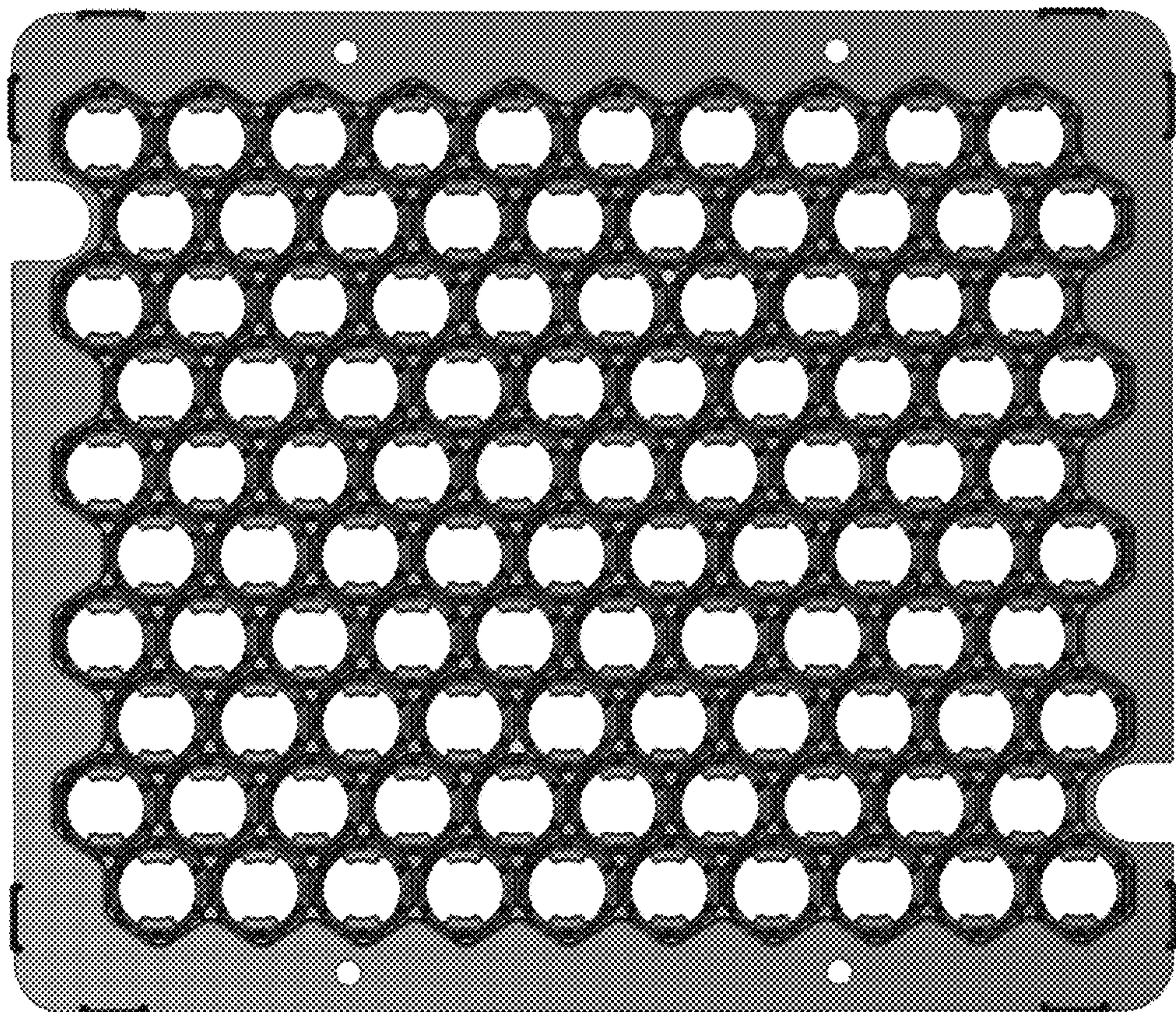
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D906,537	S	*	12/2020	Sims		D24/224
D911,285	S	*	2/2021	Manuel		D13/119
D918,415	S	*	5/2021	Jones		D24/227
D922,611	S	*	6/2021	Lynn		D24/229
D928,984	S	*	8/2021	Yoo		D24/227
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2019/0372069	A1	*	12/2019	Lee		H01M 50/262

* cited by examiner

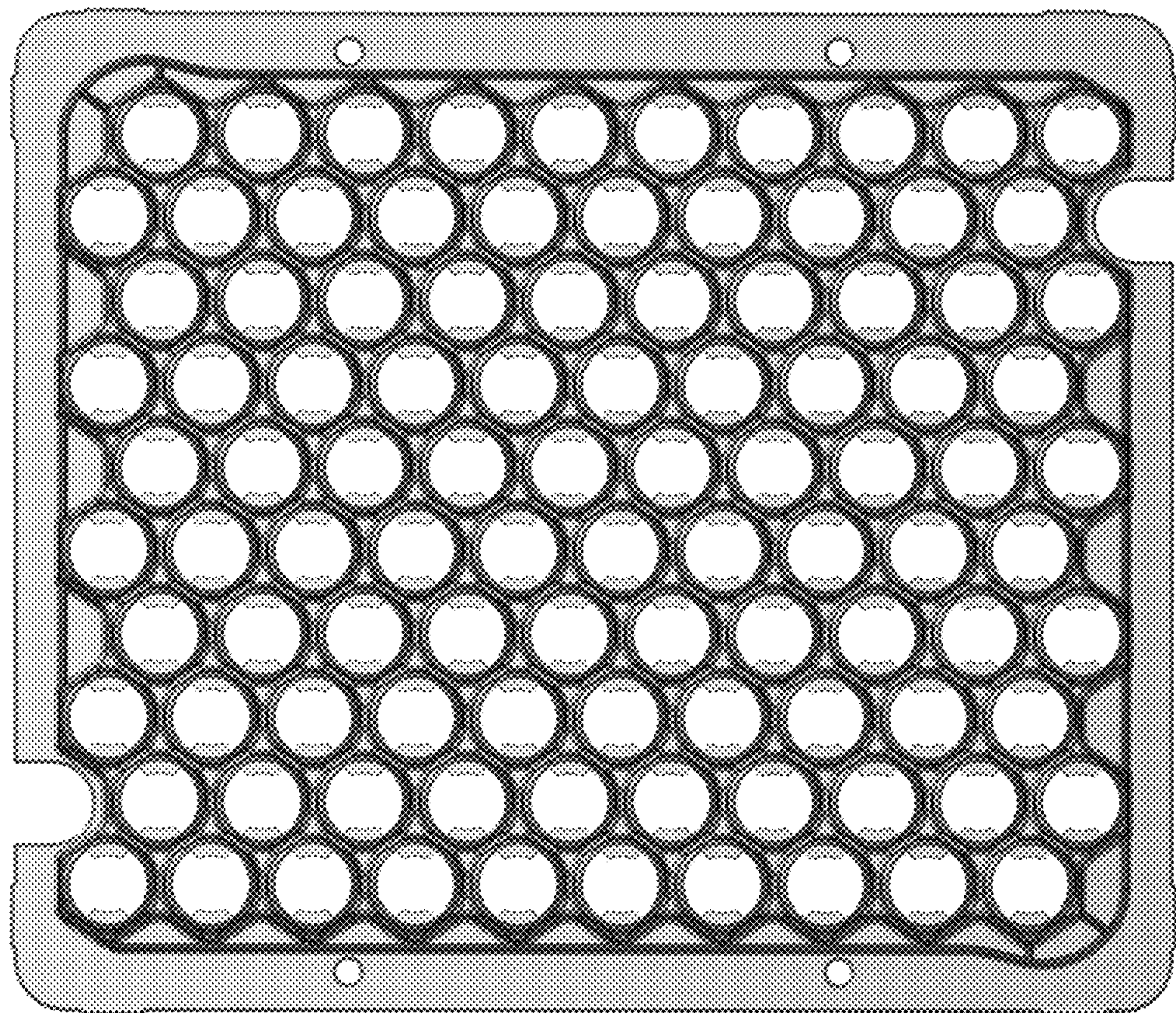
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1.3



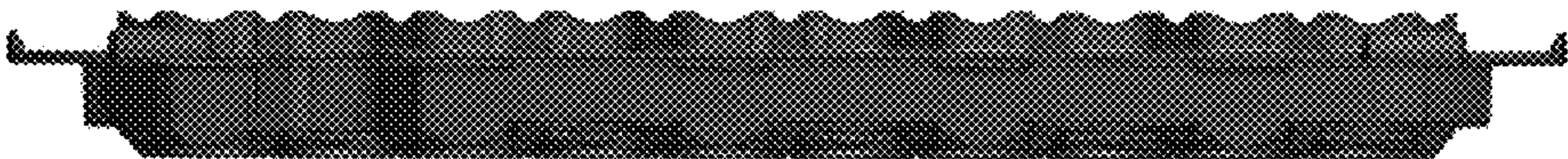
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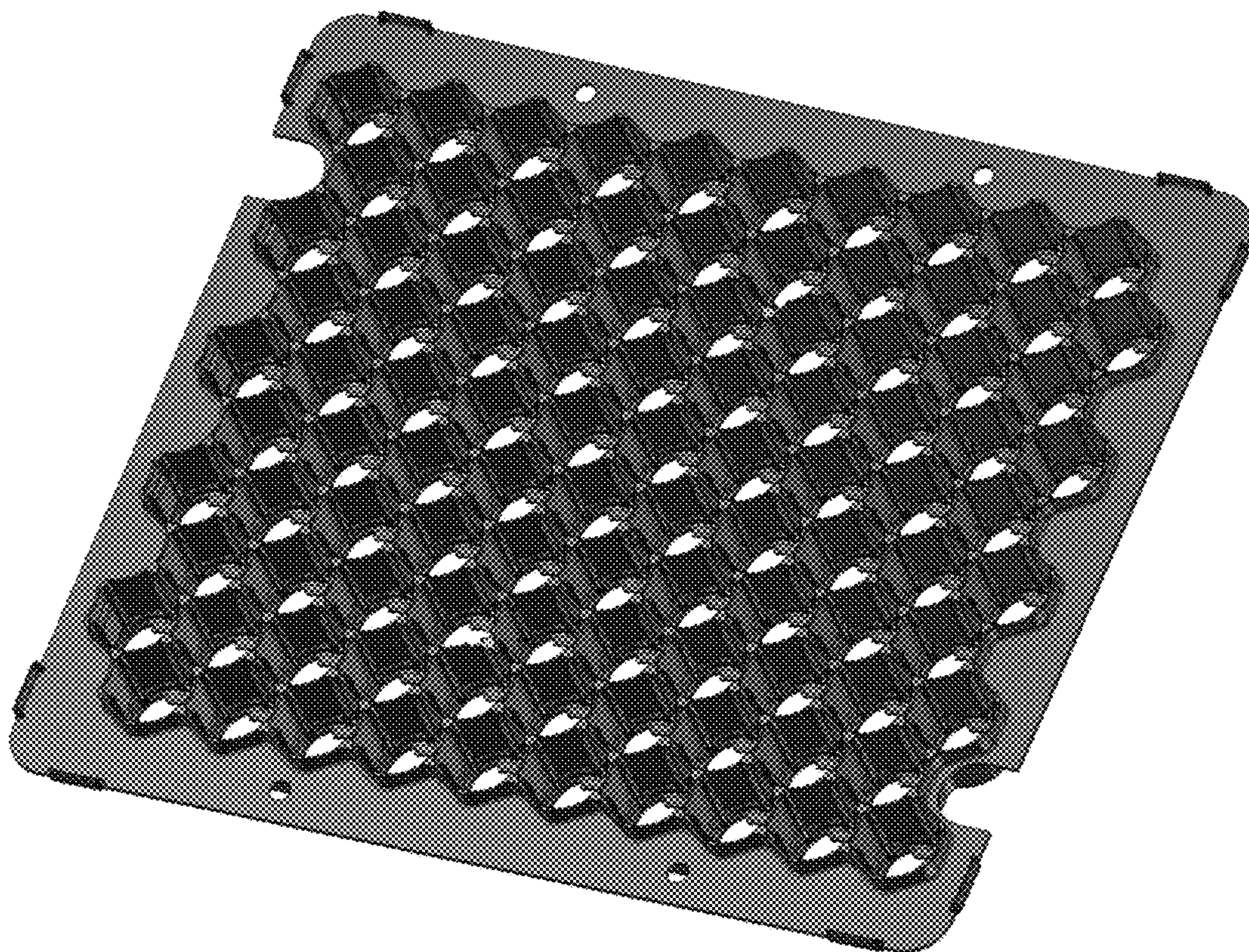
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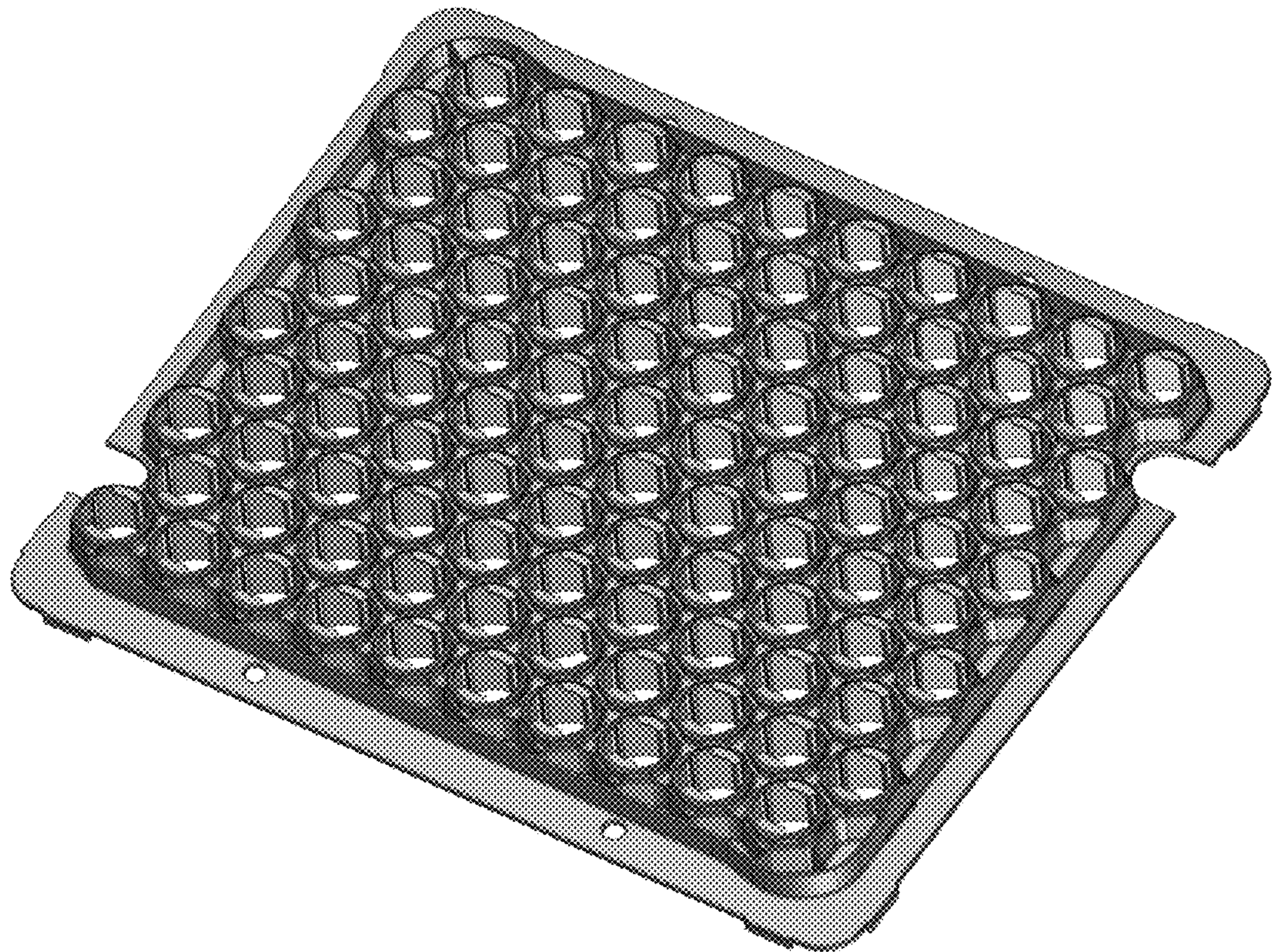
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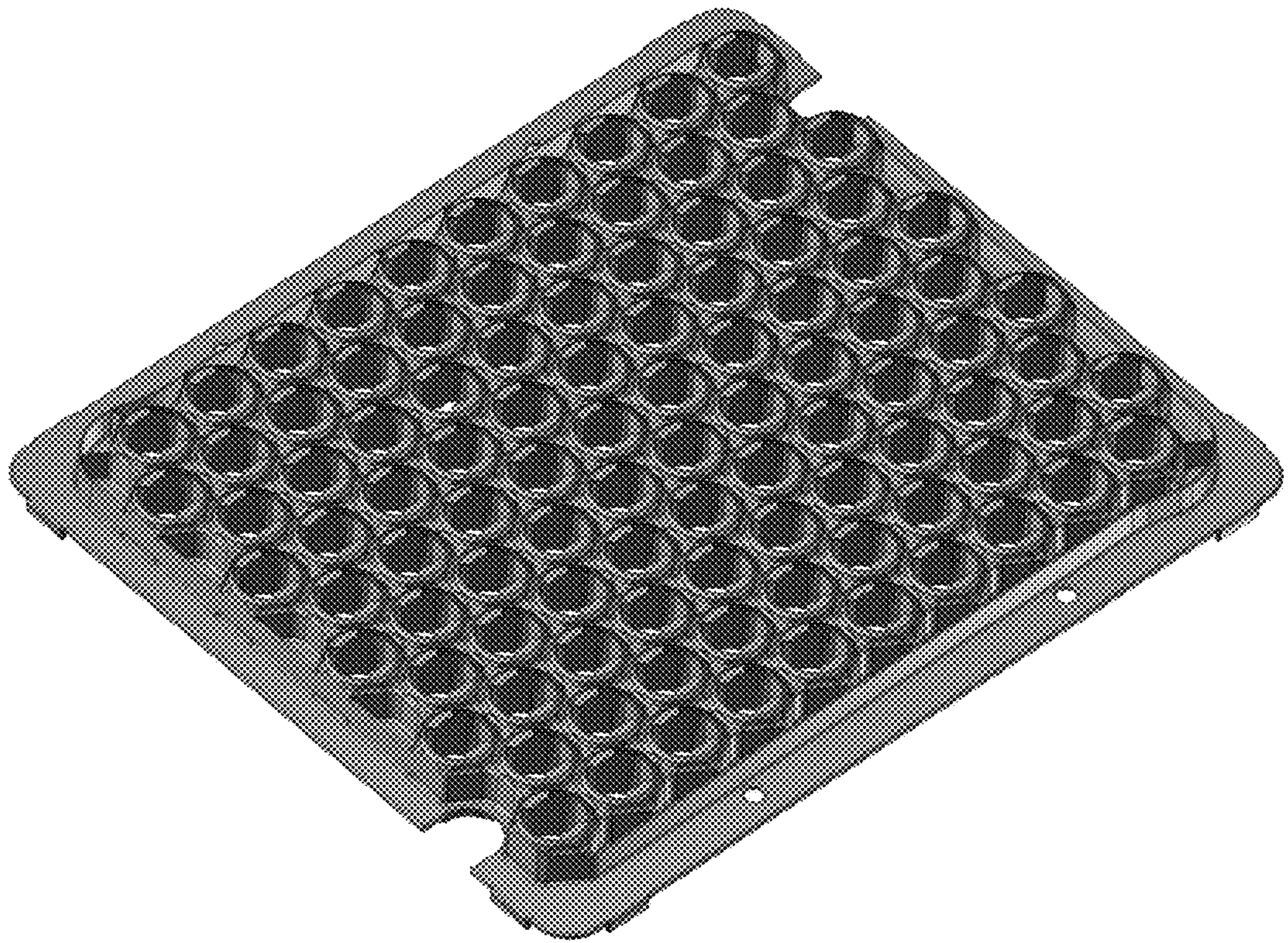
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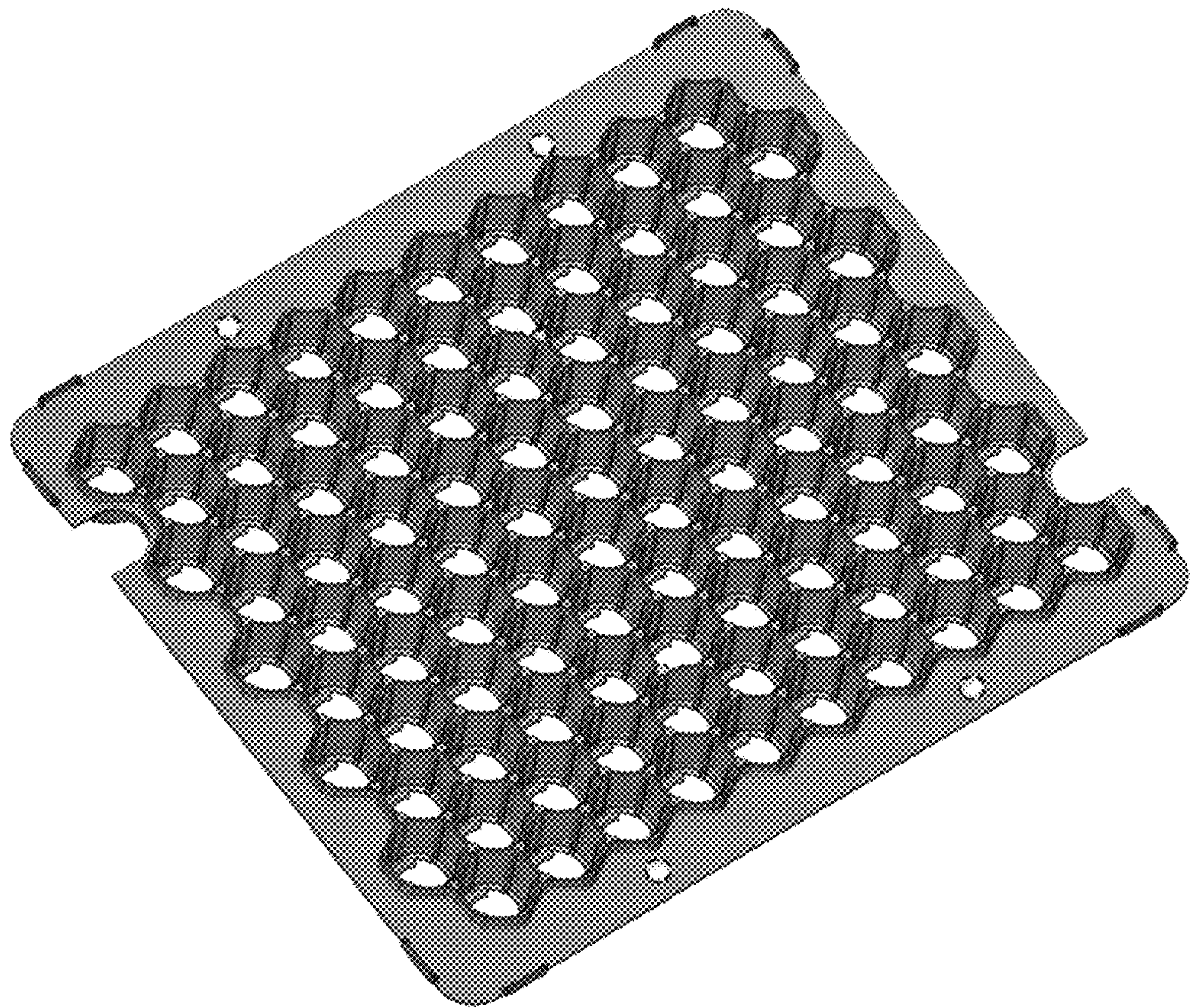
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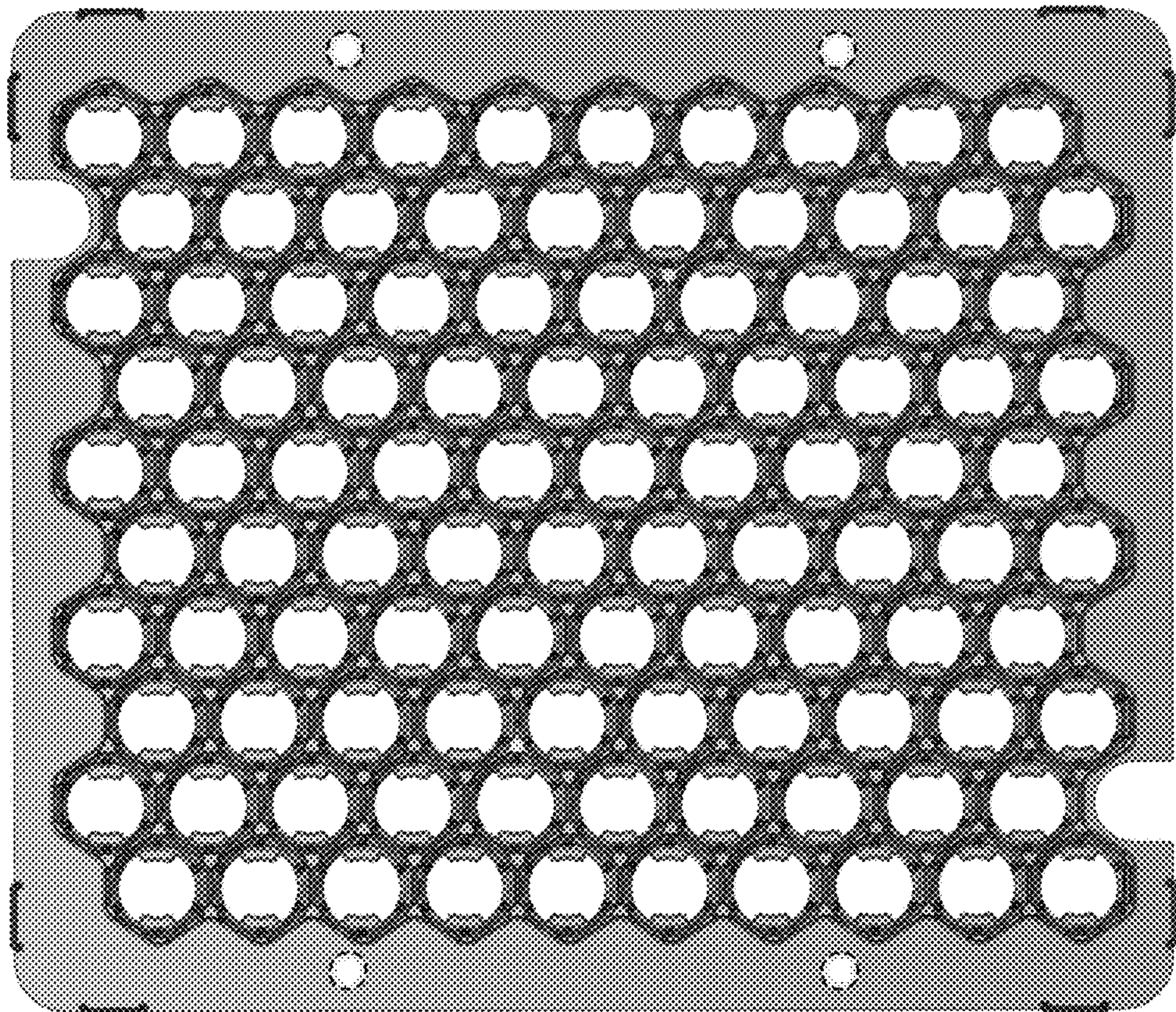
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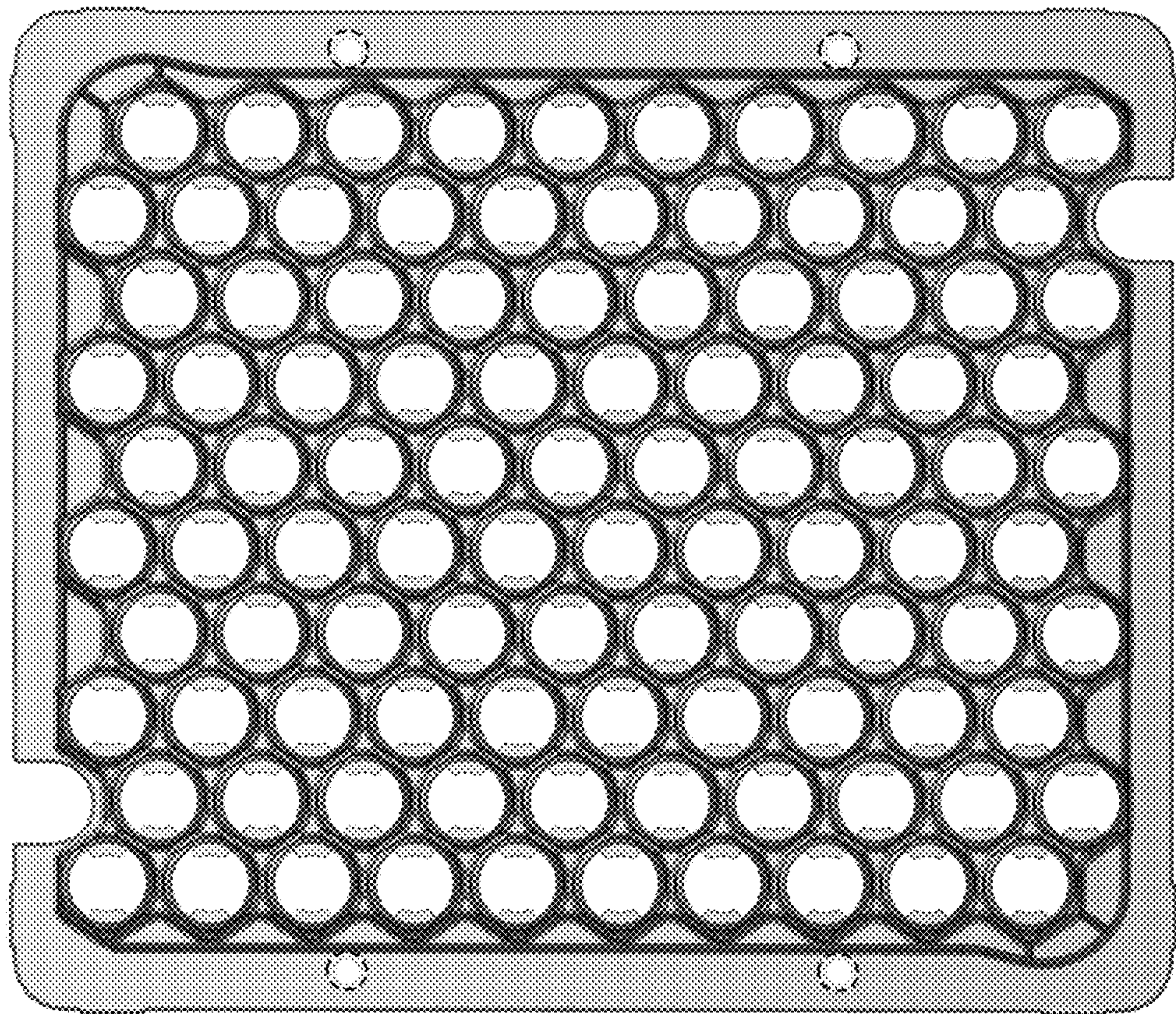
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2.2



2.3



2.4



2.5



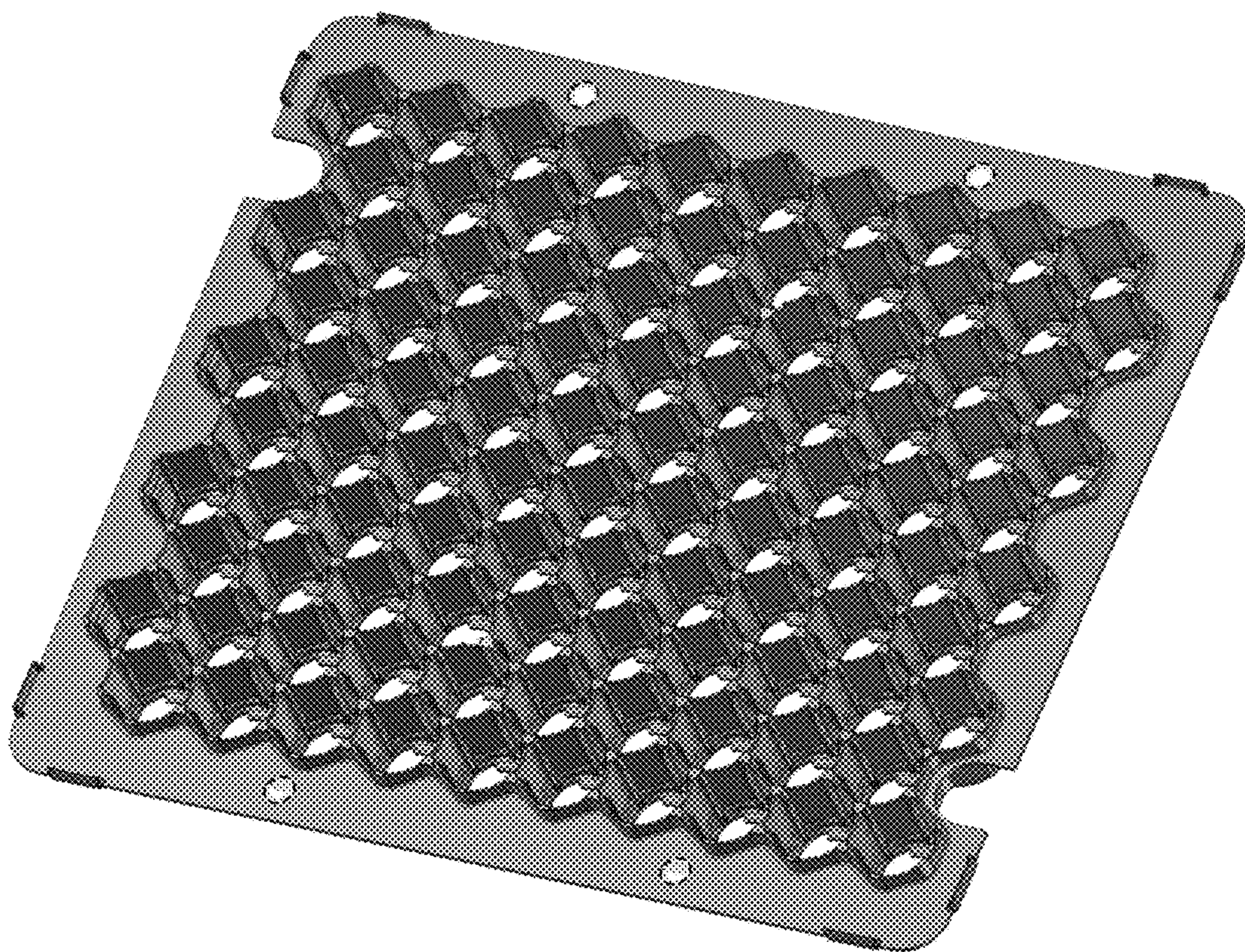
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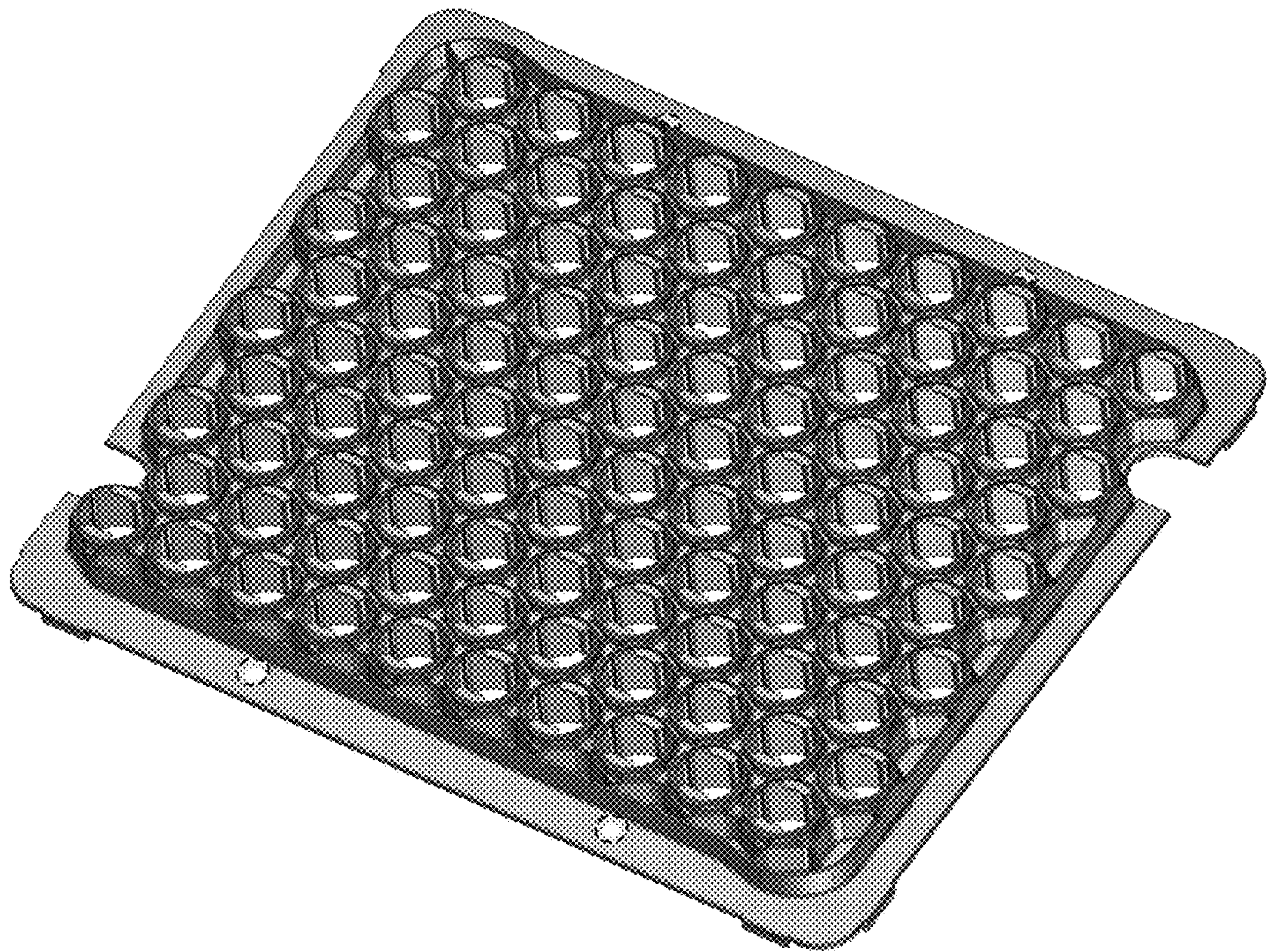
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2.8



2.9



2.10

