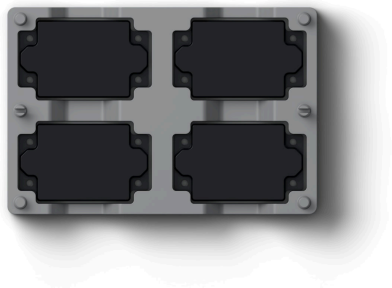
CRADL BY EAST SLOPE ENGINEERING

WHAT IS A CRADL

A 3D-printed insert with one pocket for each part, shaped from your part's STEP file. It sits in a tote and carries your parts through every stop, from your machine to your customer's dock. It replaces paper, bubble wrap, foam, and void fill.



SCAN TO SEND A PART

DESIGN SHOWN

One tray, top view (render). Dimensions from its CAD file. Every Cradl insert is designed to your own part, so yours will differ.

TRAY	6.00 × 4.00 in 152.4 × 101.6 mm
TRAY HEIGHT	0.75 in stack pitch 19.1 mm; 1.11 in with posts 28.1 mm
POCKET PITCH	3.00 × 2.00 in 76.2 × 50.8 mm
PARTS	4 per tray, 16 per 4-tray stack
PART SHOWN	2.50 × 1.50 × 0.39 in 63.5 × 38.1 × 9.9 mm
LID PLATE	0.21 in 5.3 mm; 11.7 mm with bosses
4 TRAYS + LID	3.46 in tall 87.9 mm

SPECIFICATIONS

MADE FROM	Your part's STEP file. IGES and STL also work.
POCKETS	One per part, shaped to its geometry
REUSABLE	TPU, durable and flexible
ONE-WAY	Thin-wall PETG (Bambu Lab PETG HF)
ESD OPTION	Polymaker Fiberon™ PETG-ESD: 7×10^{6}–1.6×10^{7} Ω, ANSI/ESD STM11.11 (maker data). Not ESD shielding; the tote isn't ESD-rated. Verify in your ESD program.
SOFT-TOUCH POCKETS	Multi-material: a softer plastic where the insert touches your part, on request
LARGEST ONE-PIECE PRINT	About 12 in (300 mm) per side, for an insert or a printed tote
LARGER KITS	Stock totes or bonded printed panels
PARTS PER TOTE	Per 16 × 11 in tote, one layer, parts up to about 4 in tall 20 parts about 2 × 1.5 × 1 in 6 parts about 4 × 3 × 1.5 in 2 parts about 8 × 6 × 3 in 1 part up to about 10 × 8 in
INSPECTION	First-article fit check on every new design
OPTIONS	Logo printed in, color coding, QR tracking, mixed kits
RUN SIZE	Any, from one tote up

Sizes and counts are examples. Send a STEP file for an exact fit and count.

HOW AN ORDER WORKS

01 **Send your STEP file**, quantity, and where the part goes after your shop.

02 **We design the pockets** to your part, the tote, and the count.

03 **First-article fit check.** We ship you the first insert to try on your part. Then you sign off.

04 **We print the run**, one kind or both.

05 **Pack, ship, reuse.** Reusable inserts come back. One-way inserts stay with your customer.

TWO KINDS

REUSABLE

For legs that come back: outside processes, inspection, WIP.

ONE-WAY

Ships with the part. Your customer keeps it.

Cradl keeps parts separated and counted. We don't drop-test or certify protection performance; check the fit at first article and the shipping method for your part.