EMPTY VAPES (HAARLEM, NL) - B2B ENGINEERING SPECIFICATION SHEET
Document ID: EV-CAD-2026-100TRAY | Version 2.4 | Pure Hardware & 230V Automation

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1. 100-CAVITY CNC ALUMINUM (6061-T6) & POM FIXTURE TRAYS (10 x 10 MATRIX)
   - Outer Tray Dimensions: 320.0 mm x 320.0 mm x 28.0 mm (+/- 0.05 mm CNC tolerance)
   - Matrix Layout: 10 rows x 10 columns (100 cavities); center-to-center pitch 28.00 mm
   - Cylindrical 510 Cartridges (EV-LV-CART-20/21/22, EV-NK-CART-10/11/12): Bore 10.65 mm
   - 2.0 ml Wide-Bore 510 Cartridges (EV-NK-CART-14): Bore 11.65 mm x 22.0 mm depth
   - Postless AIO Disposables (Novo Ultra, LEFA, Bolt, Helios): Pocket +0.15 mm clearance
   - Machine Compatibility: EV-NK-ACC-15 (1-Head CNC), EV-NK-ACC-28 (5-Channel CNC), EV-NK-ACC-24 (Semi-Auto Pump), EV-NK-ACC-26 / ACC-29 (100-Hole Platen Press)

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2. CO-ENGINEERED ISO 8317 CHILD-RESISTANT PACKAGING & EVA FOAM DIELINES
   - EV-NK-PKG-17 / EV-LV-PKG-24 (CR Push-Button Drawer Box): Outer 118 x 54 x 22 mm; 350 gsm SBS + 1200 gsm rigid greyboard; die-cut 38 kg/m3 high-density EVA cavity
   - EV-NK-PKG-18 / EV-NK-PKG-21 (CR Push-Turn Paper Tube & Pop-Top): ID 16.5 mm / 22.0 mm; height 85 mm / 112 mm; ISO 8317 / ASTM D3475 child-resistant closure
   - EV-NK-PKG-16 / EV-NK-PKG-22 (CR Ziplock Mylar Barrier Bag): Outer 90 x 145 + 30 mm; 4-layer PET/AL/NY/PE (140 micron) + thermoformed RPET inner tray
   - Mandatory EU Marks Zone: CLP tactile triangle, WEEE crossed-bin, RoHS/CE, batch QR

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3. TURNKEY 230V EU FILLING & CAPPING LINE PACKAGES (HAARLEM NL DISPATCH)
   - Stage 1 Starter: EV-NK-ACC-25 (25 ml PID Gun) + 1,000 Carts + 10 Trays
   - Stage 2 Lab: EV-NK-ACC-24 (Semi-Auto) + EV-NK-ACC-26 (Press) + 5,000 Carts + CNC Tray
   - Stage 3 Commercial: EV-NK-ACC-15/28 (CNC Gantry) + ACC-29 + 10,000 Carts + 5 Trays
   - Request 1:1 STEP / Adobe Illustrator (.AI) dielines at https://emptyvapes.com/quote.html