

EST. 2020 · EFFINGHAM, ILLINOIS

# Industrial marking & coding, in-house.

Authorized Anser distribution, our own Odyssey ink line, and proprietary cartridge programming — one partner for the entire thermal inkjet ecosystem.



## The Anser You Need

X1 · X1 LITE · A1 · SMART PRINthead

# Who we are

An Anser distribution partner with our own ink line and proprietary programming.

25+

YEARS EXPERIENCE

500+

GLOBAL CUSTOMERS

100+

YRS COMBINED TEAM

24/7

TECHNICAL SUPPORT



## Anser Master Distribution Partner

Exclusive X-Series controllers, the A1 all-in-one and the Smart Printhead — the full NexGen line.



## Our own Odyssey inks

Water-based & solvent line — Box, Combo, Fast, Sarge — in 42 mL and 160 mL.



## In-house programming

Proprietary station programs and QCs HP & IUT cartridges for custom supply.



## Deep industry roots

100+ years of combined experience across the entire TIJ and marking & coding market.

# Market opportunity

## 01

### The situation

Matthews retired the Evolution HP TIJ line — its own Evolution site now forwards every page, parts included, to a different printer.



OBSOLETE EVOLUTION DRIVER BOARDS

## 02

### The gap

Hundreds of Evolution printers still run in the field. They need parts, ink, cartridge programming, and service — with no reliable supply partner left.



ONGOING HP 45 CARTRIDGE SUPPLY

Modern, supported replacements for an orphaned installed base.

## 03

### The TPS solution

We keep Evolution systems running today with programming, parts, and EV HP inks — then match each line to the Anser printer that fits its budget and volume.



THE ANSER NEXGEN LINE — REPLACEMENT OPTIONS

# We supply the parts that keep Evolution running

Matthews retired the Evolution line. We still supply the driver board, pogo board and pogo pins — plus programmed, e-tested cartridges.



## Evolution replacement parts

THE CONTACT PATH, IN THE ORDER A TECH CHECKS IT

1

### Pogo pin sets

Pack of 10. The first check when codes go faint or intermittent.



SINGLE PIN SET  
Sold in packs of 10

2

### Carriage pogo board

Carries the contact between the cartridge and the driver board.

3

### Carriage driver board

The board behind firing faults, missing segments and message errors.



POGO BOARD · DRIVER BOARD

For HP-based Matthews Evolution printhead modules. Each part is sold separately, and we can rebuild Evolution printhead modules too.



## Cartridge programming

CUSTOM-BUILT, IN-HOUSE

- **Optimized cartridges.** Custom equipment tunes HP-format cartridges for Evolution printers, and programs cartridges for current Anser X-Series models.
- **E-tested.** Electronic-contact QC on every cartridge screens out failures before they reach the line.
- **Distributor ID.** Each distributor's cartridges carry their own ID code: optimized, authenticated supply, traceable to source.

**One of very few suppliers doing this.** Parts, programmed and QC'd cartridges and EV HP inks for the Evolution base, and authenticated cartridges for current Anser platforms, from one partner.

# EV HP inks for the Evolution base

Keep orphaned Matthews DDI Evolution & HP TIJ lines running — by code & SKU.

Water-based HP 45 / 45A · POROUS

| CODE   | SKU    | COLOR    | USE                 |
|--------|--------|----------|---------------------|
| 11-WBI | 4500BK | ● Black  | Standard porous     |
| 22-WBI | 4510BK | ● Black  | Semi-porous cartons |
| 15-WYI | 4500YW | ● Yellow | Cardboard, paper    |
| 15-WRI | 4500RD | ● Red    | Cardboard, paper    |
| 15-WBI | 4500BL | ● Blue   | Cardboard, paper    |
| 15-WGI | 4500GR | ● Green  | Cardboard, paper    |

Solvent HP 45si · NONPOROUS

| CODE   | SKU    | COLOR    | USE                    |
|--------|--------|----------|------------------------|
| 44-SBI | 4700BK | ● Black  | Plastics, films, foils |
| 33-SBI | 4711BK | ● Black  | Plastics, films, foils |
| 66-SBI | 4722BK | ● Black  | Nonporous — premium    |
| 60-SWI | 4720WH | ○ White  | Dark plastics, films   |
| 60-SYI | 4711YW | ● Yellow | Plastics, films, foils |

Separate from Odyssey

EV HP inks run on legacy Evolution / HP TIJ printers — not the Anser X-Series. Odyssey runs the reverse.

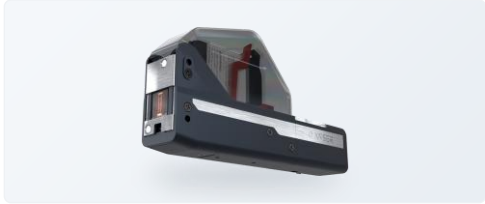


HP 45 cartridge · ½" format

The familiar TIJ 2.5 body the Evolution base runs — recognize it on the line.

# Products & services

Four NexGen printers for different lines and budgets — plus printheads, software and ink.



## Smart Printhead

Screenless and self-contained — run it from your own Android phone or tablet, or a browser. Stitch up to four for 4".



## Anser A1

Controller and printhead in one unit, with a 5" touch panel built in. 0.5" or 1" heads, stitched up to 2".



## Anser X1 Lite

Single-line 7" touchscreen controller that runs the 160 mL XL bulk cartridge — longer runs, fewer changeovers.



## Anser X1

IP66-rated dual-line controller — two lines, or two cartridge technologies, at once. Stitches to 2".

## SERVICES & SUPPORT

### Cartridge programming

HP & IUT, in-house

### Repairs & field service

Installed-base support

### Application support

Substrate & ink matching

### System integration

Custom line integration

Plus the Type-H, HI-PRO, F-PRO and T2 printhead family, the 160 mL XL bulk cartridge, Xonnect fleet software and the Odyssey ink line.

# Match the printer to the priority

No single printer fits every line. Start with what matters most — we'll match the printer, printhead and ink.



## Lowest up-front cost

SMART PRINthead + YOUR PHONE

- No separate controller to buy
- Runs from your Android phone or tablet
- Or any browser — nothing to install
- Stitch up to four units for 4"
- Trade-off: no screen on the line



## Lowest cost with a screen

ANSER A1 ALL-IN-ONE

- Controller and printhead in one unit
- 5" glove-friendly touch panel built in
- 0.5" or 1" heads, stitched up to 2"
- QuickSync loads a job in one click
- Trade-off: no 160 mL bulk cartridge



## Lowest running cost

X1 LITE + 1" HV HEAD + 160 mL

- 4× the ink of a standard cartridge
- Fewer stops, lower cost per print
- Multi-DPI cuts ink use up to 50%
- 7" touchscreen, single printhead
- Trade-off: higher up-front cost



## Tough or two-line jobs

ANSER X1 · IP66 · DUAL-LINE

- IP66-rated against dust and water
- Two printheads — two lines at once
- Or two cartridge technologies at once
- F-PRO: 10 mm throw, uneven surfaces
- Trade-off: highest up-front cost

Not sure which fits? Send us the substrate, line speed, code height and daily volume — we'll run the numbers and spec it.

Modular by design — buy what the line needs today and add to it as it grows.

# Build the configuration

## STEP 01

### Choose the platform

#### X1

Two printheads, an IP66-rated housing and a 7" touchscreen

#### X1 Lite

One printhead, 7" touchscreen

#### A1

Controller and printhead in one unit, with a 5" touch panel

#### Smart Printhead

Standalone and screenless — your phone or a browser

## STEP 02

### Choose the printhead

#### On the X1

Type-H, HI-PRO, F-PRO, or the T1XL 1" bulk head

#### On the X1 Lite

T2 Standard (0.5" or 1") or the T2XL 1" bulk head

#### On the A1

0.5" or 1" head, single or stitched up to 2"

#### Smart Printhead

0.5" or 1" — stitch up to four for 4"

## STEP 03

### Choose cartridge & ink

#### 0.5" or 1" cartridge

Runs on every platform

#### 160 mL HV cartridge

4× the ink — T1XL and T2XL bulk heads only

#### Water-based Odyssey

Box, Combo or Fast for porous surfaces

#### Solvent Odyssey

Sarge for nonporous surfaces

## STEP 04

### Add line kit & software

#### Line hardware

Mounting brackets, sensors, encoder, cables and a 24 V supply

#### Smart Printhead add-ons

I/O Box, ZShape bracket, WiFi dongle, Mobile Kit

#### Free software

NexLink app and the Loftware driver

#### Xonnect & design tools

Xonnect Lite, Plus or Pro, Message Pro II and Net Commander

Grow without starting over: the X1 Lite runs the T2 Standard head today and the T2XL bulk head later — same controller.

# The Smart Printhead

0.5"/1"

PRINT HEIGHT

4"

STITCHED MAX

600×600

DPI · 0.5 IN

60

M/MIN @ 300 DPI

- Embeddable and screenless — no controller cables, so it fits crowded lines
- Self-contained, which makes robotic-arm integration practical
- Controlled from a browser web console or the NexLink app — no per-device install
- Runs HP and IUT printhead technologies
- Stitch up to four units for 4" (100 mm) of print height
- 1000+ message storage, 3 pinned messages, auto-resume on cartridge change

## PHYSICAL & I/O

204.5 × 38.5 × 73.3 mm · 0–40 °C · AC 100–240 V, 60 W · 600×600 DPI at 0.5 in, 300×600 at 1 in · 6 mm throw · built-in photocell · USB 2.0, RJ-45, Mini-DP · TCP/IP, UDP, Modbus TCP and RTU 485. Encoder, sensor and light-tower I/O run through the I/O Box.

A screenless, self-contained coder that goes where a controller will not fit.



SMART PRINthead (SPH) · 320 g



VIDEO · SMART PRINthead



VIDEO · QUICKSYNC — X1 + SPH

# Take the SPH further

Five add-ons that turn one embedded printhead into a mobile, wireless or large-format setup.

## MARK ANYWHERE

### Mobile Kit

Turns the SPH into a handheld coder for cartons, pallets and drums anywhere on site. Embedded encoder, 4+ hrs per charge, 405 g. Battery and charger not included — standard BOSCH 18 V, sourced locally. 1-year warranty.

## WIRELESS

### WiFi Dongle

Connects to NexLink or Xonnect without running cables to the unit. Optional — a standard Edimax EW-7822ULC.

## LARGE FORMAT

### ZShape Bracket

Stitches up to 4" of print height with clean alignment across units.

## PHONE CONTROL

### NexLink App

Lineside adjustments and wireless message sync from an Android phone — works across every NexGen printer. On iPhone, use the browser console.

## MULTI-UNIT SYNC

### I/O Box

Runs multiple SPH units off one encoder and one sensor. Required for encoder, sensor and light-tower I/O.

## Ordering the expansion kit

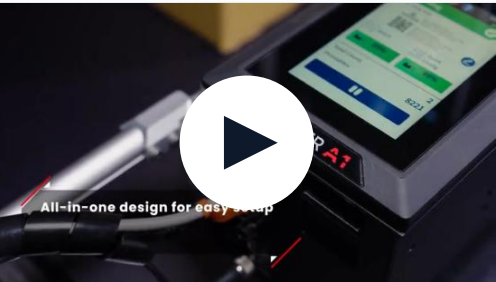
Accessory part numbers are not published in Anser's brochure yet — we confirm the exact SKU with you at quote time; the WiFi dongle is a standard Edimax EW-7822ULC. The Mobile Kit ships without a battery or charger — BOSCH 18 V, bought locally to satisfy shipping rules — and carries a 1-year warranty rather than the 5-year printer term. Pricing is distributor-confidential; ask us for a quote.

Every accessory here attaches to the Smart Printhead — the NexLink app also drives the X1, X1 Lite and A1.

# The A1 all-in-one



ANSER A1 · 5" INDUSTRIAL TOUCH PANEL



VIDEO · QUICKSYNC (A1 + SPH)

Direct coding replaces labeling: one unit prints the date, lot and 2D code straight onto the case.

Controller and printhead in a single unit — up to 2" of print height with no separate box on the line.

|                  |             |              |                 |
|------------------|-------------|--------------|-----------------|
| 2"               | 5"          | 300/150      | 5-YR            |
| MAX PRINT HEIGHT | TOUCH PANEL | DPI SETTINGS | NEXGEN WARRANTY |

- All-in-one design — no separate controller to mount or cable
- Simple 3-step setup; a Smart Setup Assistant walks the install
- QuickSync loads a job in one click to cut changeover time
- Multi-DPI control manages ink use and cost per print
- Connects to Xconnect for centralized message distribution

PRINthead CONFIGURATIONS

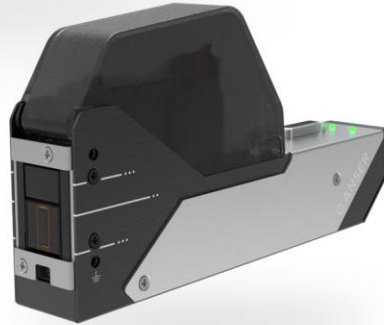
|          |                  |      |
|----------|------------------|------|
| A1-05    | 0.5" single head | 0.5" |
| A1-05-ST | 0.5" stitched    | 1.0" |
| A1-10    | 1" single head   | 1.0" |
| A1-10-ST | 1" stitched      | 2.0" |

# The X1 Lite controller

High-resolution coding, built for simplicity and cost-efficiency.



**X1 Lite controller**  
7" touchscreen



**T2 Standard printhead**  
0.5" or 1" · 600 × 600 DPI



## Bulk-ink ready

Shift to the XL 160 mL Bulk Ink Cartridge as production grows — lowering cost per print when it matters most.



## Active cost control

Multiple DPI settings fine-tune ink density, reducing total ink consumption by up to 50%.



## Simple operation

A 7" touchscreen with intuitive UI simplifies message editing and daily production for any operator.

## Xonnect-ready efficiency

Centralized, real-time monitoring prevents unexpected downtime and keeps every line in sync.

7"

SCREEN

60

M/MIN @ 300 DPI

600

DPI MAX

-50%

INK USE



1" T2XL BULK-INK PRINTHEAD



XL 160 mL · STANDARD 42 mL  
XL CARTRIDGE: 49 × 94 × 144.5 mm

12 — LOWEST RUNNING COST

# X1 Lite — 1" 160 mL High-Volume System

Print more. Save more.

ANSER PART NO. [D-A01-1XL](#)

160

mL VOLUME

1"

25.4mm HEIGHT

300×600

DPI

60

m/min @ 300 DPI

6mm

THROW DIST.

## Solid 1-inch

Full 1" print height with no stitching — clean, continuous codes, faster setup.

## 4× printing capacity

160 mL delivers 4× the ink of a standard cartridge — longer runs, fewer stops.

## Plug & print

Clean, tubeless design installs like a standard cartridge — no pouches, no maintenance.

SUITABLE SUBSTRATES · FILLED WITH ODYSSEY INK

**Porous**

Paper, corrugate, cartons, coated stocks

WB · FAST / BOX / COMBO

**Nonporous**

Films, plastics, foils, glass, metal, PVC

SOLVENT · SARGE

13 — CONTROLLER · DUAL LINE

# The X1 controller

Two lines, two cartridge technologies,  
one IP66-rated controller.



## Two lines from one controller

Drive two printheads on two separate lines — or run two different cartridge technologies side by side.



## Built for tough floors

An IP66-rated housing stands up to dust and water on the toughest lines.



## Four printhead options

Type-H, HI-PRO, F-PRO and the T1XL bulk head — from tight spaces to a 10 mm throw on uneven surfaces.

## Cartridge swaps without stopping

A dual-cartridge parallel design lets operators replace a cartridge without interrupting production.

2

PRINTHEADS

2"

STITCHED MAX

10 mm

F-PRO THROW

IP66

RATED HOUSING

# Xonnect: one platform for the site

Every NexGen printer on one dashboard — monitoring, alerts, backups, reports and ERP integration.

|                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>SINGLE PRINTER</div><div><div>Xonnect Lite</div><div>1</div></div><div><div>SW-XON-LITE</div><div>PRINTER</div></div></div> <div><div>— Single-application user — no multi-printer control</div><div>— Browser access; no per-device install</div><div>— Runs inside your internal network</div><div>— Upgrade path to Plus and Pro</div></div> | <div><div>FLEET MANAGEMENT</div><div><div>Xonnect Plus</div><div>99</div></div><div><div>SW-XON-PLUS</div><div>PRINTERS MAX</div></div></div> <div><div>— Multi-printer control and management</div><div>— Real-time monitoring dashboard</div><div>— Email alerts on errors and low ink</div><div>— Automatic daily backup, one-click recovery</div></div> | <div><div>ADVANCED / ENTERPRISE</div><div><div>Xonnect Pro</div><div>99+</div></div><div><div>SW-XON-PRO</div><div>PRINTERS</div></div></div> <div><div>— Centralized management with advanced features</div><div>— Production analysis — patterns and high-risk areas</div><div>— ERP and production-system integration</div><div>— Work-order groups; role-based access</div></div> |
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|                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>ACROSS THE PLATFORM</div><div><div>Print station &amp; setup wizard · Message editor &amp; file management · Excel database &amp; remote firmware upgrade · Scan &amp; print</div><div>Multi-printer control &amp; recipes · Backup, recovery &amp; reports · User management &amp; work orders · Email notification</div></div></div> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Editions differ by printer count and features — we'll confirm the fit at quote. The multi-printhead license is issued by Anser or the authorized distributor: that's us.

Phone control, label design and database-driven printing — around the Xonnect platform.

# The rest of the software line

FREE APP

**Anser NexLink**

SW-NEXLINK

Phone control for every NexGen printer — lineside adjustments in seconds.

FREE DRIVER

**NiceLabel / Software**

SW-SOFTWARE

Windows driver for label design and coding messages. Anser is a Software alliance partner.

DESIGN

**Message Pro II**

SW-DES-001

Design software for the X-Series and U2 — 20+ barcode types, variable data, template management.

DATABASE

**Net Commander**

SW-DBC-001

Excel and database sync up to 70,000 rows, with scan-and-print message switching.

| WHAT XONNECT NEEDS TO RUN |                                                                  |
|---------------------------|------------------------------------------------------------------|
| Server OS                 | 64-bit Windows 10 / 11 Professional 23H2                         |
| Memory                    | 8 GB (~32 printers) · 16 GB (~209 printers) · +35 MB per printer |
| Storage / network         | 18 GB · 3 Mbps, +160 Kbps per printer                            |
| Browser                   | Recent 64-bit Chrome or Edge — no per-device install             |
| Install                   | Clean install, internet-connected to activate                    |

The edge isn't the software alone — it's one platform, the Anser hardware it was built for, and one distributor supporting the whole stack.

# Odyssey ink portfolio

Four specialized inks for every substrate  
— now in 42 mL and 160 mL.

## Sarge

SOLVENT

PrintheadAll TIJ

ColorantDye

MediaNonporous

Dry timeModerate●●●

Optical densityHigh●●●

Water / rub resist.High●●●

Open time~16 hrs

Shelf life24 mo

BEST FOR

Plastic  
s  
PVC

Films

Foils

Glass

Metal

## Fast

ECO-FRIENDLY WB

PrintheadAll TIJ

ColorantDye

MediaPorous

Dry timeVery fast●●●●

Optical densityStandard●●●

Water / rub resist.Standard●●●

Open time~1 hr

Shelf life18 mo

BEST FOR

Paper

Corrugate

Cartons

Kraft

## Box

PIGMENTED WB

PrintheadAll TIJ

ColorantPigment

MediaPorous

Dry timeFast●●●

Optical densityHighest●●●●

Water / rub resist.High●●●

Open time>1 hr

Shelf life12 mo

BEST FOR

Copy paper

Chipboard

Corrugated

## Combo

SUPERIOR WB

PrintheadAll TIJ

ColorantHybrid

MediaPorous

Dry timeModerate●●●●

Optical densityHigh●●●●

Water / rub resist.Good●●●●

Open time~16 hrs

Shelf life24 mo

BEST FOR

Paper

Envelopes

Corrugate

Matte

# Ink selection guide

Start with your surface — we'll match the ink.

## Porous WATER-BASED

Paper · corrugate · cartons · kraft · coated stock

- Fast**      Everyday porous — quick dry, ~1 hr open time. Cartons & mailing.
- Box**        Pigmented — densest, most durable black on copy paper & chipboard.
- Combo**    Hybrid — long ~16 hr open time for stop-start production lines.

## Nonporous SOLVENT

Plastics · films · foils · glass · metal · PVC

- Sarge**      Solvent dye — bonds to sealed, low-energy surfaces. ~16 hr open, 24 mo shelf life.

**Bulk / high-volume pick**  
**Fast** recommended for 160 mL runs; Sarge & Combo suitable; Box not recommended.

Short product and application videos —  
click any tile.

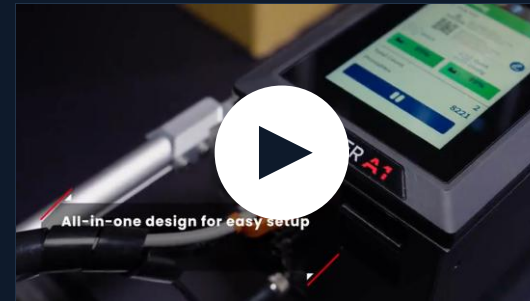
# Watch the systems work



VIDEO · XL BULK INK CARTRIDGE  
The 160 mL cartridge — 4× the ink, no pouches, no tubes.



VIDEO · SMART PRINthead  
The embedded, screenless coder in real installations.



VIDEO · QUICKSYNC · A1 + SPH  
One click loads a job across linked NexGen printers.



VIDEO · X1 CASE STUDY COLLECTION  
Line installations across cases, pipe, film and foil.

## Where these play from

Each tile opens the video on the TPS YouTube channel, so it works from any machine and in Google Slides as well as PowerPoint. The same files also ship in the TPS-Presentation-Media folder next to this deck if you need to present offline.

# Why TIJ Print Solutions



## Authorized Anser distribution

The full NexGen line — X1, X1 Lite, A1 and Smart Printhead — with exclusive X-Series supply.



## The right printer per line

Four printers matched to budget, volume and environment — plus multi-DPI ink cost control.



## Our own Odyssey inks

Water-based & solvent in 42 mL and 160 mL — not tied to a single ink OEM.



## Full support

Parts, ink, repairs, and field service for the entire installed base.



## In-house programming

Proprietary HP & IUT cartridge programming and electronic-contact QC.



## Global distribution

Wholesale distributor network with worldwide shipping and portal access.

Distribution, consumables, and support  
— all under one roof.

# Partnership & support



## Become a distributor

Join the wholesale network — portal access, worldwide shipping, competitive terms.



## Order consumables & parts

Odyssey inks, cartridges, and spare parts — 42 mL and 160 mL, ready to ship.



## Migrate from Evolution

Keep running today, then move to the Anser printer that fits each line.



## Lean on our support

24/7 technical support, field service, and hands-on application & substrate matching.



SOLID 1" XL BULK INK CARTRIDGE

21 — BY INVITATION

# Your distributor portal

A members-only account at [tijprint.com](https://tijprint.com)  
— reserved for approved TPS partners.



## Shop the full catalog

Odyssey inks, EV HP inks, parts, printheads & accessories — browse and order online.



## Your distributor pricing

Approved accounts see per-account wholesale pricing, computed to your tier.



## Request a quote

Get a quote on any product; our team follows up with pricing & availability.



## Fast reorder

Order history & saved carts turn repeat orders into a few clicks.



## Favorites

Save your go-to SKUs for instant access and one-tap reordering.



## Technical documents

Download the TDS & SDS for every ink, anytime you need them.

BY INVITATION · APPROVED PARTNERS ONLY



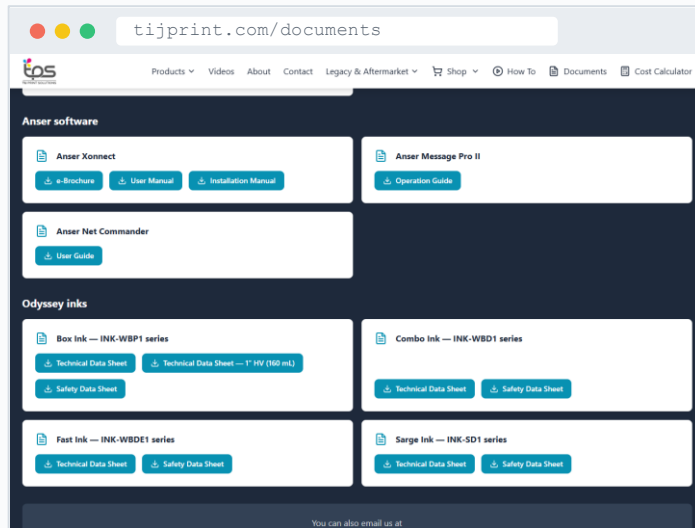
## Your invitation to partner with TPS

A limited, approval-only network — your pricing & ordering unlock the moment you're approved.

[www.tijprint.com](https://www.tijprint.com)

# A look inside the portal

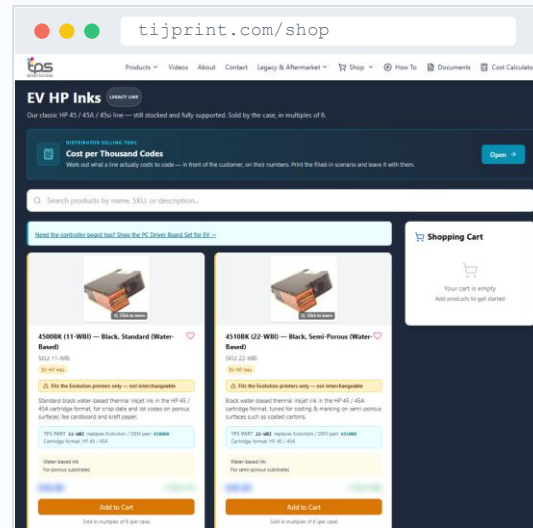
What an approved partner sees after signing in.



## TECHNICAL DOCUMENTS

### Every TDS and SDS, on demand

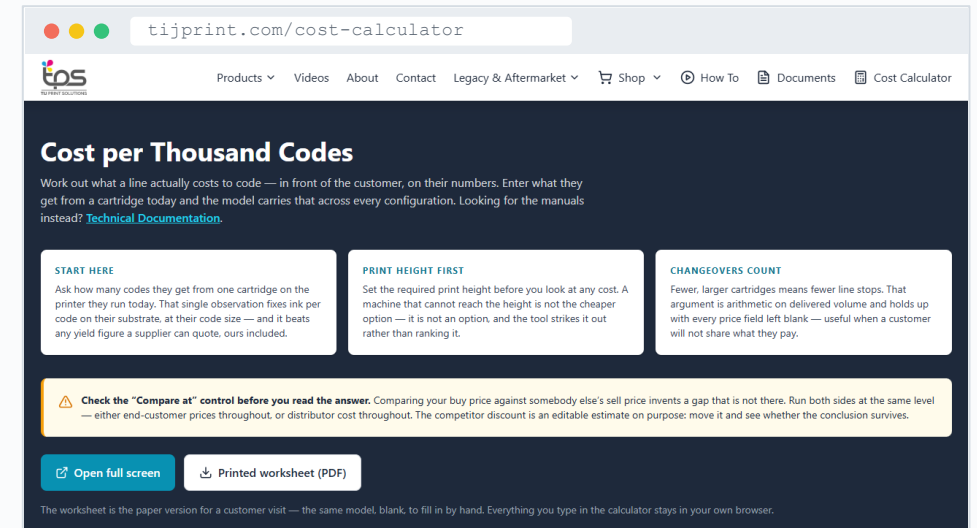
Data and safety sheets for every Odyssey ink, plus specs, manuals and install guides for the Anser line.



## ORDER ONLINE

### Order by the case

Browse, save favorites and reorder in a few clicks — account pricing shows once you are approved.



## SELLING TOOL

### Cost per Thousand Codes

Price a line on the customer's own numbers, set print height first, then print the scenario and leave it with them.



TIJ PRINT SOLUTIONS, INC.

# Let's build together.

## The **Anser** You Need

Authorized Anser Distributor · Odyssey Inks · In-House Cartridge Programming

WEB

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