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 INVESTOR PRESENTATION

# Reinventing precision dosing technology.

A precision volumetric pump with 10× accuracy from the first turn —  
simpler, longer-lived, lower-cost.

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**ROUND**

£0.75M · 10% post-money

**STAGE**

Pre-production prototype

**TARGET RETURN**

20× over five years

**CONTACT**

[arthur@accuvol.com](mailto:arthur@accuvol.com)

— THE ASK

# £0.75M takes us from prototype to first production units.

Patents granted in the UK, EU, US, China and India. MVP built and externally tested. The next milestone is revenue.

RAISE

**£0.75M**

For 10% post-money equity.

TARGET RETURN

**20<sub>x</sub>**

Capital growth over five years.

EBITDA, YEAR 5

**£7.5<sub>M</sub>**

On 200% p.a. revenue growth.

CASHFLOW POSITIVE

**≤2<sub>yr</sub>**

From close of round.

— MARKET

# A mature global market. No dominant player.

Every operator we have spoken to says the same thing: the market is ready for a pump that genuinely beats the 1% CoV benchmark.

<p>ANNUAL TAM</p> <p><b>\$4–7 Bn</b></p> <p>Global positive-displacement pumps.</p>	<p>FORECAST CAGR</p> <p><b>5–7 %</b></p> <p>Steady, not cyclical.</p>	<p>ACTIVE COMPETITORS</p> <p><b>~30</b></p> <p>None dominant.</p>	<p>GEOGRAPHY</p> <p><b>3</b></p> <p>Roughly equal regions: Americas · Europe · Asia.</p>
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— STATUS QUO

# The industry has been stuck on the same architecture **for decades.**

## SENSING

An optical encoder, sealed inside a dry cavity.

- Needs a precision rotary seal to keep fluid away from the optics.
- That seal is the most expensive — and the most failure-prone — part of the pump.

## PERFORMANCE ENVELOPE

Sub-1% CoV, but only above 300 rpm.

- 01 Industry-quoted band is 300 to 3,500 rpm.
- 02 Start-up and low-speed accuracy aren't controlled at all.
- 03 Dosing applications work around it with overruns and dead volumes.

— WHAT WE CHANGED

A magnetic sensor outside the cavity, and a control process that's **correct from turn one.**



SENSING

Digital magnetic sensor, outside the pump body.

- Higher sensitivity than the optoelectronics it replaces.
- The expensive precision seal is no longer needed.

CONTROL PROCESS · PATENTED

10× the current precision benchmark, from turn one.

- Accurate down to 10 rpm — a 30× range extension.
- Fewer, simpler moving parts; longevity by design.

EXTERNALLY REVIEWED · SIMULATED · COSTED

MEASURED PERFORMANCE

DESIGN SPECIFICATION

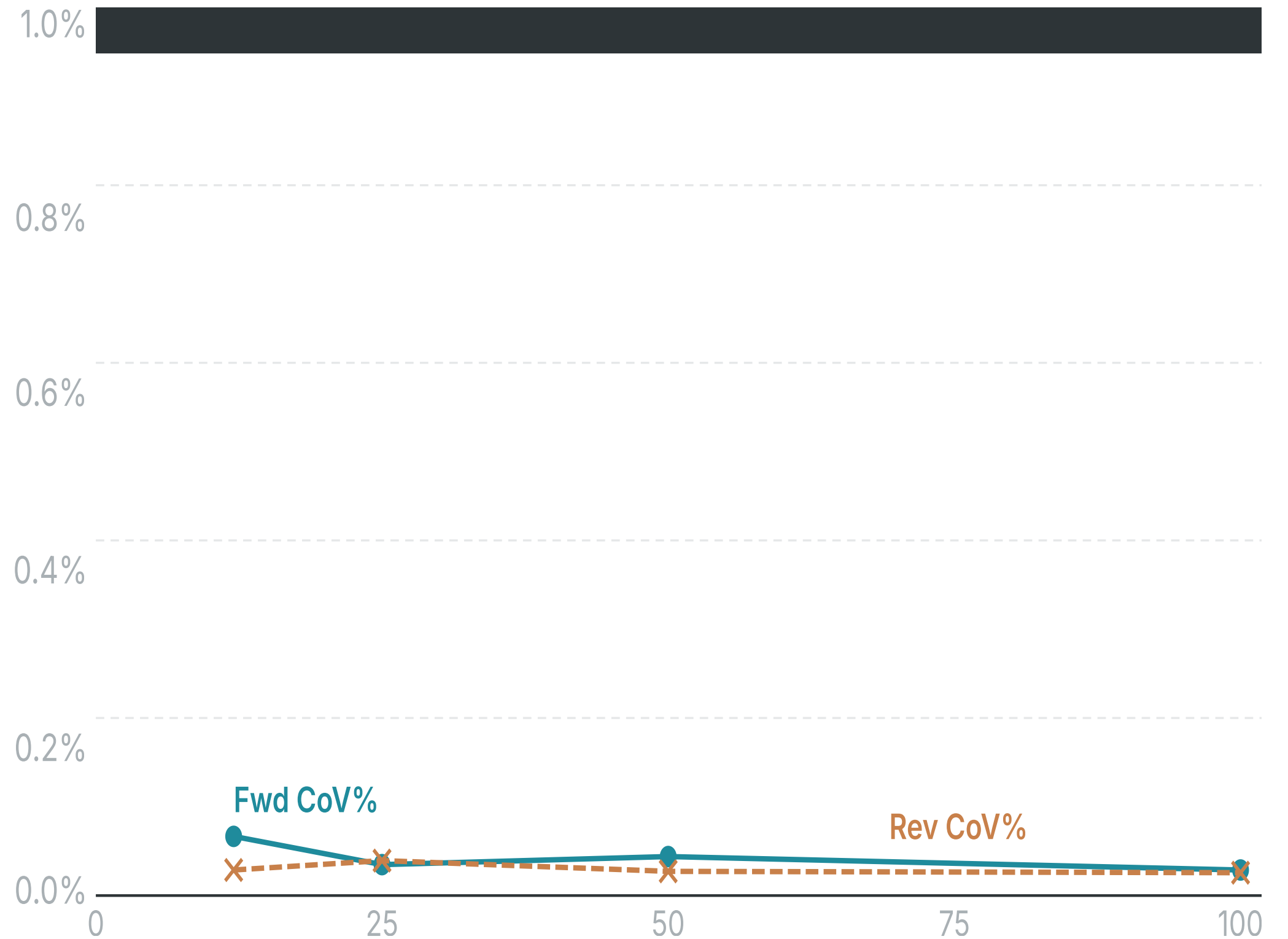
0.10%

CoV from 10 rpm across full operating range.

VS. INDUSTRY BENCHMARK

10x

The black band at top is the 1% CoV industry standard.



## — PATENT ESTATE

Granted in **five jurisdictions**, covering most of global PD demand.

JURISDICTION	NUMBER	FAMILY	STATUS
United Kingdom	GB 2541031 B	1st	GRANTED
European Union	EP 332122 B1	1st	GRANTED
United States	US 17132314 CIP	1st	GRANTED
China	CN 108138767 A	1st	GRANTED
India	IN 2018 1700 7362	1st	GRANTED
United Kingdom	Filed under PST	2nd	PENDING
Third patent	In preparation	3rd	DRAFTING

— PROGRAMME STATUS · Q1 2026

# MVP built and tested. Ready for pre-production.

- Design and manufacturing process settled for pre-production.
- External review and advanced simulation completed.
- Assembly process and machinery completed.
- Pre-production batch of MVP pumps built and tested.
- Complete supplier and process-partner network identified.
- Initial manufacturing test run of core parts completed.
- First patent family granted in all five jurisdictions.
- External performance test data in hand.

— V1 PRODUCTION UNIT

Better, longer-lived and cheaper —  
**because it is simpler.**

PRECISION

**↑ 10×**

Driven by digital sensing and control software, not by mechanical tolerances.

LONGEVITY

**↑ 2x+**

Fewer, simpler moving parts. No wear-bound precision seal.

PURCHASE COST

**↓ BOM**

Lower materials cost than competitors in the equivalent class.

TARGET SECTORS

**5+**

Pharmaceutical, chemical, food, adhesive and paint — and potentially medical device.

## — MARKET POSITIONING

# Same market. A different specification sheet.

VENDOR	COV	OPERATING RANGE	SENSING	BOM POSTURE
<b>AccuVol</b>	<b>0.10%</b>	<b>10 – 3,500 rpm</b>	<b>Digital magnetic</b>	<b>Simplified · low</b>
HNPMicro	±0.5–1.0%	300 – 3,500 rpm	Optical encoder	Reference
JONSN	~1.0%	300 – 3,500 rpm	Optical encoder	Reference
Diener	±0.5–1.0%	300 – 3,500 rpm	Optical encoder	Reference
Suofu	~1.0%	300 – 3,500 rpm	Optical encoder	Reference
Fluid-o-tech	±0.5–1.0%	300 – 3,500 rpm	Optical encoder	Reference
Iwaki	~1.0%	300 – 3,500 rpm	Optical encoder	Reference

SPECIFICATIONS FROM PUBLIC MATERIALS

— PRINCIPAL RISK · HONEST ASSESSMENT

# Micron-precise manufacturing.

It is not new, but it is hard. This is AccuVol's first time delivering at this tolerance — though every one of our manufacturing partners works to that standard as a matter of routine.

DESIGN TOLERANCE

75  $\mu\text{m}$

≈ width of a human hair.

Needed to minimise seepage between pump parts so the unit can handle a wide range of pressure differentials.

Every supplier we have selected for the precision parts already ships at this tolerance every day. The novelty is the integration — not the tolerance itself.

— WHERE THE £0.75M GOES

# Four parallel workstreams over **twenty-four months.**

Structured to reach positive cashflow within two years, with high capital growth by year five.

WS 01

## Sales & marketing team

Stand up a small, technical commercial team focused on process engineers and OEM customers, and build the industry-partner pipeline.

Q1 – Q3

WS 02

## Manufacturing base

Stand up the in-house assembly cell and lock in the supplier networks already proven during the MVP build.

Q1 – Q4

WS 03

## Miniaturisation R&D

Research high-precision injection-moulded plastics for a smaller form factor and a much lower unit cost.

Q2 – Q6

WS 04

## Materials qualification

Optimise pump materials for the food, pharmaceutical and chemical industries.

Q2 – Q8

— FIVE-YEAR RETURN PROFILE

A targeted **20x** on £0.75M, built on three independent levers.

LEVER 01 · PRECISION

**10x**

Market-precision target — the headline ambition behind the pricing premium.

LEVER 02 · COST

**↓ BOM**

Lower manufacturing cost — margin expansion at every price point.

LEVER 03 · MOAT

**5 yr**

Compounding behind a granted-patent moat in the UK, EU, US, China and India.

REVENUE GROWTH

**200%** p.a.

EBITDA, YEAR 5

**£7.5M**

CAPITAL GROWTH  
(DELIVERS 20x TO INVESTORS)

**25x**

CASHFLOW POSITIVE

**≤2 yr**

— COMPANY & CONTACT

AccuVol™ is a trademark  
of **Magpumps Ltd.**

FOUNDERS

**Leo Dearden**  
**Arthur Doohan**

BOARD

**Ian Grigg**  
Angel investor & non-executive director.

ADVISORS

**BASCK**  
Patent agents.  
**S. Macdonald, Malvern**  
Accountant.

CAPITAL STRUCTURE

Wholly privately owned · no net debt.

DIRECT LINE

arthur@accuvol.com

ISSUED FOR

Investor diligence · May 2026