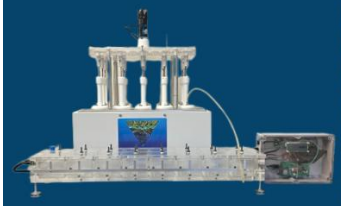
Anaero Technology

Price List

BATCH-FED & HYBRID

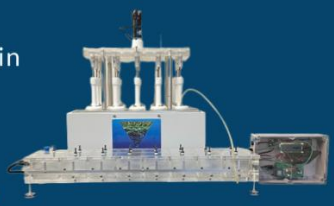
28-day BMP Test ¥3500/sample



Our BMP or RBP tests are ideal for testing the biogas or inhibitory potential of your feedstocks. Each test is done in triplicate with three 1-litre reactors. They last 28 days, starting just 2 days after the sample is received. For a low cost you can comprehensively profile your feedstocks, detailing the biogas production.

Reactors n°:	3
Reactor vol [L]:	1
Temp [°C]:	Ambient to 85
Mixer motors:	1
Reactor material:	HDPE bottle

BMP/RBP Nautilus ¥67700



Used in most AD labs around the UK, our Nautilus model refines the classic BMP test with our patented homogeneous mixing design, and tightly controlled temperature. With 15 reactors, multiple feedstocks can be tested simultaneously to compare various biogas productions, inhibition potential or batch kinetics.

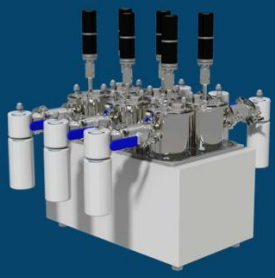
Reactors n°:	15
Reactor vol [L]:	1
Temp [°C]:	Ambient to 85
Mixer motors:	1
Reactor material:	HDPE bottle

Medusa ¥159100

Also available as an upgrade to current BMP's, the Medusa is a hybrid system, with 10 automatically fed and 5 batch fed reactors. Suited to fibre-free or slurry feedstocks and covering both feeding regimes, the Medusa can perform versatile research particularly into microbial kinetics due to its many possible feedings configurations.

Reactors n°:	15 (10 auto-fed)
Auto-feeders:	2
Reactor vol [L]:	1
Feeds/day:	0-999
Temp [°C]:	Ambient to 85

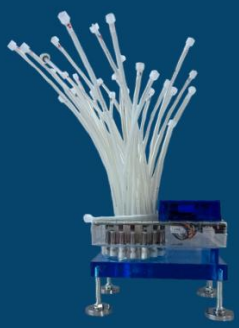
Phoenix ¥111300



The phoenix is the second of our semi-continuous range, showcasing six 5 litre reactors. The phoenix can be manually fed as often as you like, allowing for versatile experiments and adjustments once a test has begun, as well as outlet valves for digestate collection.

Reactors n°:	6
Mixer motors:	6
Reactor vol [L]:	5
Feeds/day:	Manual
Temp [°C]:	Ambient to 85

Chimera ¥69200 COMING SOON



The Chimera innovates the analysis process by automatically reading CH_4 and $C0_2$ composition online, from a maximum of 15 individual reactors. It only requires a gas sample of 15ml, allowing for more frequent and holistic analysis, as well as maintaining functionality under low gas flow conditions such as standard BMP tests.

Channels:	15
Gas sensors:	CH_4, $C0_2$
Sampling/data:	Automatic as programmed
Volume for read:	15ml
Calibration:	Factory/user

Pegasus ¥87900

The Pegasus is our second batch-fed model, featuring 5/10L reactors. With up to 18% dry solid substrate having been used before, these larger capacity digesters enable the use of more fibrous and solid content that would be unsuitable for automatic feeding - as well being easier to operate with (less spillage when feeding).

Reactors n°:	2/3
Reactor vol [L]:	5/10
Mixer motors:	2/3
Temp [°C]:	Ambient to 85
Reactor material:	316 Stainless steel

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AUTO-FEDS

Lobster Max ¥233000

From our automatic range, the lobster model is equipped with six, 5 litre reactors (smaller options available). With an adjustable rate between 0 and 999 feeds a day, and the capability to use mixed fluid feedstocks from AD plants directly, the lobster can closely simulate the feed of an industrial AD plant.

Reactors n°:	6
Auto-feeders:	2
Feeds/day:	0-999
Reactor vol [L]:	1/2/5
Temp [°C]:	Ambient to 85

Lobster Max-i ¥242400

The Lobster-i model features 5 litre reactors (smaller options available), but with more flexibility for the feeding rate since each of the 4 reactors is equipped with its own feeder. This means 4 independent tests can be run simultaneously from the same machine. The Lobster and Lobster-i can both later be converted to multi-stage systems.

Reactors n°:	4
Auto-feeders:	4
Feeds/day:	0-999
Reactor vol [L]:	1/2/5
Temp [°C]:	Ambient to 85

Caterpillar ¥284500

The Caterpillar offers massive research capabilities partnered with ease of use. The 10 automatically fed reactors, operating with individual temperature control, provide the capacity for multiple experiments - a valuable tool if there are various ongoing projects, or to compare differences in a particular substrate's biogas productions.

Reactors n°:	10
Auto-feeders:	2
Feeds/day:	0-999
Reactor vol [L]:	1
Temp [°C]:	Ambient to 85

Hungry Caterpillar ¥424000

The hungry caterpillar is a hugely flexible and capable model, equipped with second stage reactors allowing for advanced analysis of the multiple stages of digestion. Partnered with the large amount of reactors (ten 1st and ten 2nd stage), the hungry caterpillar can generate large amounts of data, allowing you to test various feedstocks and obtain reliable data.

Reactors n°:	10
2nd Stage Reactor n°:	10
Auto-feeders:	2
Feeds/day:	0-999
Reactor vol:	1/2
Temp [°C]:	Ambient to 85

Black Swan ¥289200

Boasting many possible configurations, the Black Swan is our most comprehensive multi-stage model. With four 1st stage and four 2nd stage reactors (+optional additional stages), and 4 auto-feeders, the Black Swan allows you to compartmentalise the AD process by configuring each stage through temperature control and HRT.

Reactors n°:	4
2nd Stage Reactor n°:	2-8
Auto-feeders:	4
Feeds/day:	0-999
Reactor vol:	1/2/5
Temp [°C]:	Ambient to 85

Ray/Ray-i From ¥167500

The Ray is an ideal auto-fed machine when a large amount of reactors is not necessary. Compatible with up to 20L reactors, large volumes of feedstock can be tested, with potential for later upgrade to become a multi-stage system. The Ray-i is the upgraded model which includes an automatic-feeder with each reactor, so feeding can be performed individually at controlled rates.

Reactors n°:	2
Auto-feeders:	1/2
Feeds/day:	0-999
Reactor vol [L]:	1-20
Temp [°C]:	Ambient to 85

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