

# Lambert DIABLO Proto

Flexible assembly platform



“Understanding that our customers’ needs are different, our platforms, with modularity and innovation at their core, enable us to deliver known solutions to new problems, accelerating our customers’ time to market.”

## DIABLO

Our ingenious engineers have created the perfect adaptable platform for every need: a scalable and modular approach allows platform to perfectly align with our customers’ manufacturing requirements.

### Modular Building Blocks

Our pre-defined sections can be combined in multiple ways to deliver whatever process you require, at a fraction of the lead time compared to more traditional special purpose systems.

### Ease of Use

We look ahead in our initial consultancy, so when you start in product development, then want to scale up to medium or high-volume, everything’s already been considered. Consistent technologies and validated processes mean you can develop and roll out without risk, for complete confidence.

### Standardised Design

Standardised elements, such as process modules and pneumatic layouts, are what makes our machines faster to build, easier to maintain and more cost effective.

### Sustainable Approach

Our platforms not only prevent waste with high OEE and product yield, the modular design principles allow machines to be re-purposed, such that they can be reused for your next product introduction.

## Processes

Type	Specifics
Transportation	Rotary table, conveyor, pallet, tooled indexing, smart conveyance
Handling	Pneumatic & servo pick & place, robot
Feeding	Bowl, step, centrifugal, smart vision, tray, vibratory
Marking	Pad, hot foil, laser, labelling, ink jet, corona & plasma treatments
Inspection	Physical, optical, code reading, leak & pressure testing, force & electrical testing, weight
Forming	Mechanical & laser cutting, punching & pressing
Assembly	Screwing, clipping, snapping, pressing, bond, weld
Dosing & Filling	Powder, fluid
Joining	Hot plate, ultrasonic, RF, laser welding, gluing, bonding & tape laying

## Output

Platform Range	Proto	Midi		Maxa
DIABLO				
Product Life-cycle	Product & process development	Market testing	Initial launch	Full production
Volume Stage	Developmental volume	Low volume	Medium volume	High volume
Performance	1 - 5ppm	5 - 20ppm	20 - 60ppm	>60ppm
Annual Throughput	0.1m	0.5m - 16m		20m - 50m

## Features & Specifications

### > Flexible and scalable

- Cells can be combined in any order and re-ordered/ added to a delivery at a later date
- Single cells linked together
- Process modules can be re-ordered
- With or without operators

### > Environment

- ISO7 compatible

### > Footprint

- From 1.52m(W) x 1.28m(L) x 2.54m(H)

### > Validation

- GAMP5 & 21CFR Part 11 compliant

### > Industry-leading efficiency

- Up to 95% OEE