

Go >>> configure! Diablo assembly platforms

Medical | Healthcare | Consumer Goods



We know speed to market is key. But we know every business is different.

So our fast, flexible platforms offer configuration without compromise.

Platforming

Our ingenious engineers have created the perfect adaptable platform for every need. Each machine is designed with a flexible foundation so you can add the components you require fast.

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 for first of a kind (FOAK) systems.

Plug and play

Pre-configured screens and menus, and modular control software, get you up and running from day one.

Standardised design

Standardised building elements, module mounting and pneumatic layout make our machines faster to build, easier to maintain and more cost effective.

Scalable development

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

Additional benefits

- > REDUCED TOTAL COST OF OWNERSHIP
- > HIGHER RELIABILITY
- > EFFICIENT VALIDATION
- > SHORTER LEAD TIMES
- > WORLD-CLASS OEE
- > NO FAULT FORWARD
- > LOWER ENERGY USE
- > SMALLER FOOTPRINTS
- > REMOTE DIAGNOSIS

Why partner with Mpac Lambert?



Personal approach

You're not just getting a product, you're gaining a partner. We listen to your unique needs then configure our platforms to fit.



Expert consultancy

Our experts have years of experience across different materials, processes and sectors, for world-class results.



Global reach, local service

With offices around the world, and a truly international team, we're used to doing business in many different countries and cultures. We speak your language, in every sense.



Whole line

Everything from R&D to palletised products, overseen in-house.



Digital Automation Upgrades

Reduce travel and enhance visualisation with Augmented Reality, AI and Digital Twinning.



Innovation without risk

Engage our technical consultants to get support with your product innovation. Our expert '3D thinking' considers the creative, commercial and technical dimensions to arrive at elegant, practical solutions.

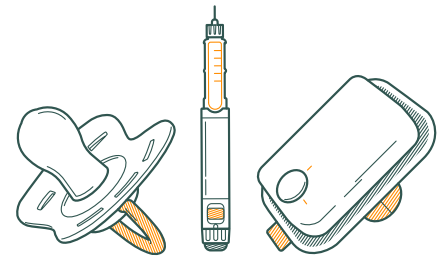
Contact

Ready to realise your ambitions?
Contact your local representative or email

E: lambert-sales@mpac-group.com

mpac-lambert.com

World-class automation that scales with you.



When you're looking for assembly with added flexibility, our Diablo range delivers.

Solutions for every stage

Whether you're making 50 products, or 50 million, we have a platform to fit.

Standard base

Each platform is a base that includes control panels, transportation, cable runs, guarding, HMI and frame/structural supports.

Configured system

In as little as 12 weeks*, we can configure machinery to match what you need, when you need it.

- > SOFTWARE AND PROCESS CONTROL
- > HARDWARE SPECIFIC, E.G. DRIVES AND I/O
- > PROCESS MODULES AND TOOLING

*Standard Proto Cell

Processes

Type	Specifics
Transportation	Rotary table, linear, conveyor, pallet, flexible pallet
Handling	Pneumatic & servo pick & place, 6 axis, SCARA & fast picker robotics
Feeding	Bowl, step, centrifugal & flexible vision-based systems
Marking	Pad, hot foil, laser, labelling, corona & plasma treatments
Inspection	Physical, optical, data matrix, barcode, leak & pressure testing, force & electrical testing
Forming	Mechanical & laser cutting, punching & pressing
Assembly	Screwing, clipping, snapping, pressing
Dosing & Filling	Powder, fluid
Joining	Hot plate, ultrasonic, RF, laser welding, gluing, bonding & tape laying

Diablo platforms

DIABLO Assembly Systems

PROTO



MIDI



MAXA



Product lifecycle:

Product & process development

Market testing

Initial launch

Full production

Volume stage:

Development volume

Low volume

Medium volume

High volume

Annual throughput:

0.1m

0.5m - 16m

20m - 50m

Technical 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

> Transportation:

- Bosch TS2 Pallet
- Festo MCS
- Flexlink
- SuperTrak
- Weiss rotary NR1100Z indexer
- Servo synchronous linear conveyor

> Environment:
ISO7 Compatible

> Controls:

- Siemens (standard)
- Rockwell
- Festo

> Footprint:

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

> Performance:
5ppm – 200ppm

> Validation:

GAMP5 & 21CFR Part 11 compliant

> Industry-leading efficiency:

Up to 95% OEE

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