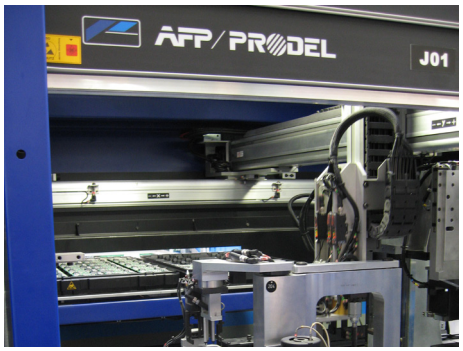
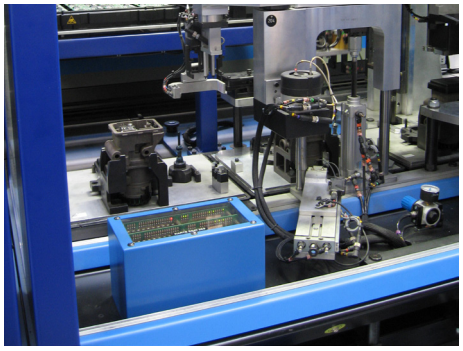
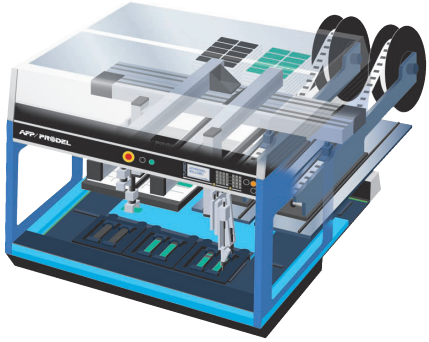
AFP LINE

EXPERTS IN
FACTORYAUTOMATION

A3D LINE
AFP LEANCELL
AFP LINE







WWW.IPTE.COM

Getting it together

In high volume assembly lines requiring continuous material flow with flexibility, pallet based systems offer the optimum solution. A high degree of utilization combined with short cycle times are the base for any efficient production system. IPTE's pallet based systems offer a variety of solutions for a wide range of applications where fast re-configurable modularity is important. The pallet routing, speed and direction is fully user programmable enabling fewer pallets to be in the system at any time. Manual and automated stations can be easily mixed together. Processes such as welding, screw-driving, pressing, dispensing, marking, testing, packing etc… can be done automated in the system.

Manual modules

In-line manual module

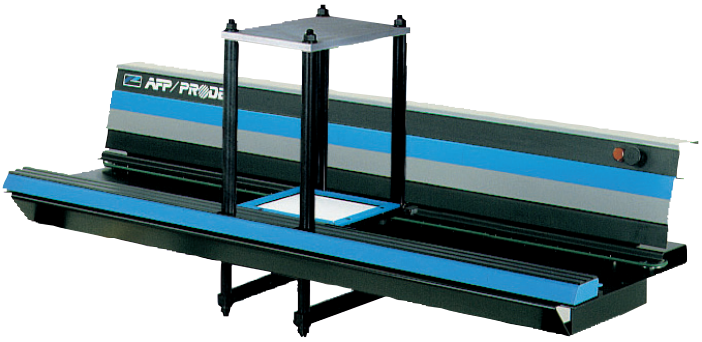
- ☐ Intended to insert sequential manual operations
- ☐ Compact layout design

Off-line manual module

- ☐ Independent work-loop
- ☐ Buffer in front of the operator
- ☐ Permits parallel assembly

Automatic modules

In-line automatic module



- Hosts sequential compact automatic operations
- Equipped with 1 or 2 pallets indexing stations
- RF read/write heads
- Optional control housing with safety guards

Off-line automatic module 1-work-loop

- One off-line or in-line configuration
- Up to 3 automatic stations
- Provides a large central table for equipment integration
- RF read/write heads
- Optional control housing with safety guards

Module options

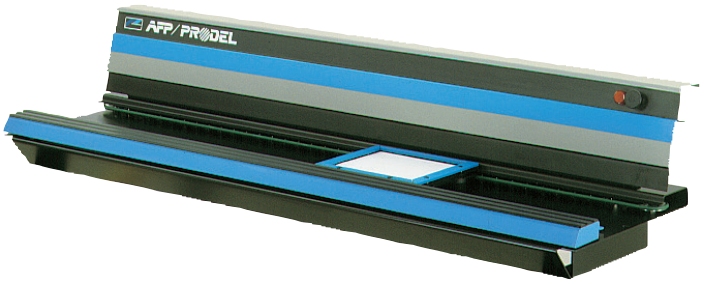
- Ergonomic options
- Communication options
- Mechanical options
- Auxiliary platforms

Off-line automatic module 2-work-loop

- Two off-line work-loops
- Two automatic stations per work-loop
- RF read/write heads
- Optional control housing with safety guards

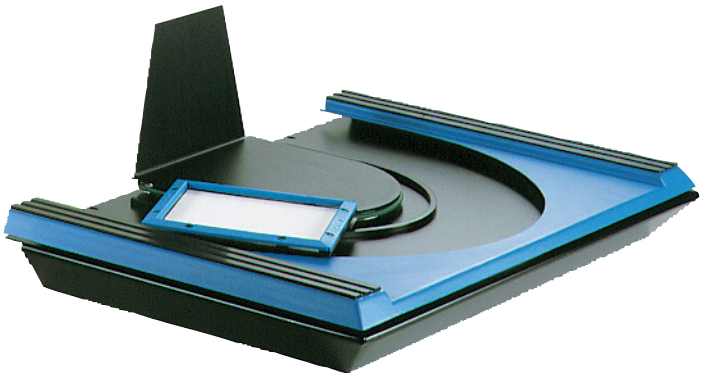
Conveying modules

Transfer module



- Transports pallets to assembly workstations
- Useful for logistical organization
- Manages the flow of pallets

Return module

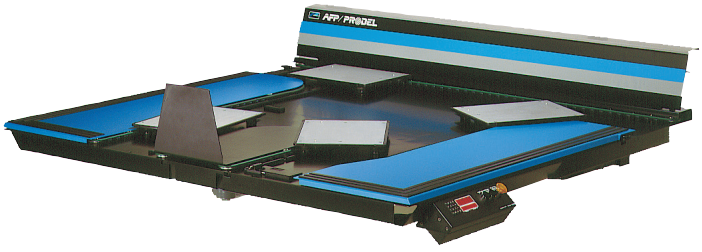


- Closed-loop path
- Optimizes flexibility without concern for pallets' orientation

Bypass module

- Provides a short circuit for pallets on large systems
- Controls pallets flow

T-Intersection



- Provides a short circuit for pallets on large systems
- Controls pallets flow
- Creates logically separated islands perpendicular to the main line

Pallet

Intelligent pallet

- ☐ Available in three sizes
- ☐ Equipped with 4 kB RF onboard memory
- ☐ Up to 15 kg payload

Stand-alone

MonoCell

- ☐ Stand-alone assembly & test cell
- ☐ Up to 8 assembly and/or test processes in one cell
- ☐ Easy reconfiguration for new products
- ☐ Ideal for high level quality or complex automation
- ☐ Integrated supervison and traceability features

Software

TurboScope

- ☐ Real time monitoring and recording production software
- ☐ Supervision monitoring
- ☐ Off-line modification of programs
- ☐ Use of multiple configurations
- ☐ Daily storage and traceability

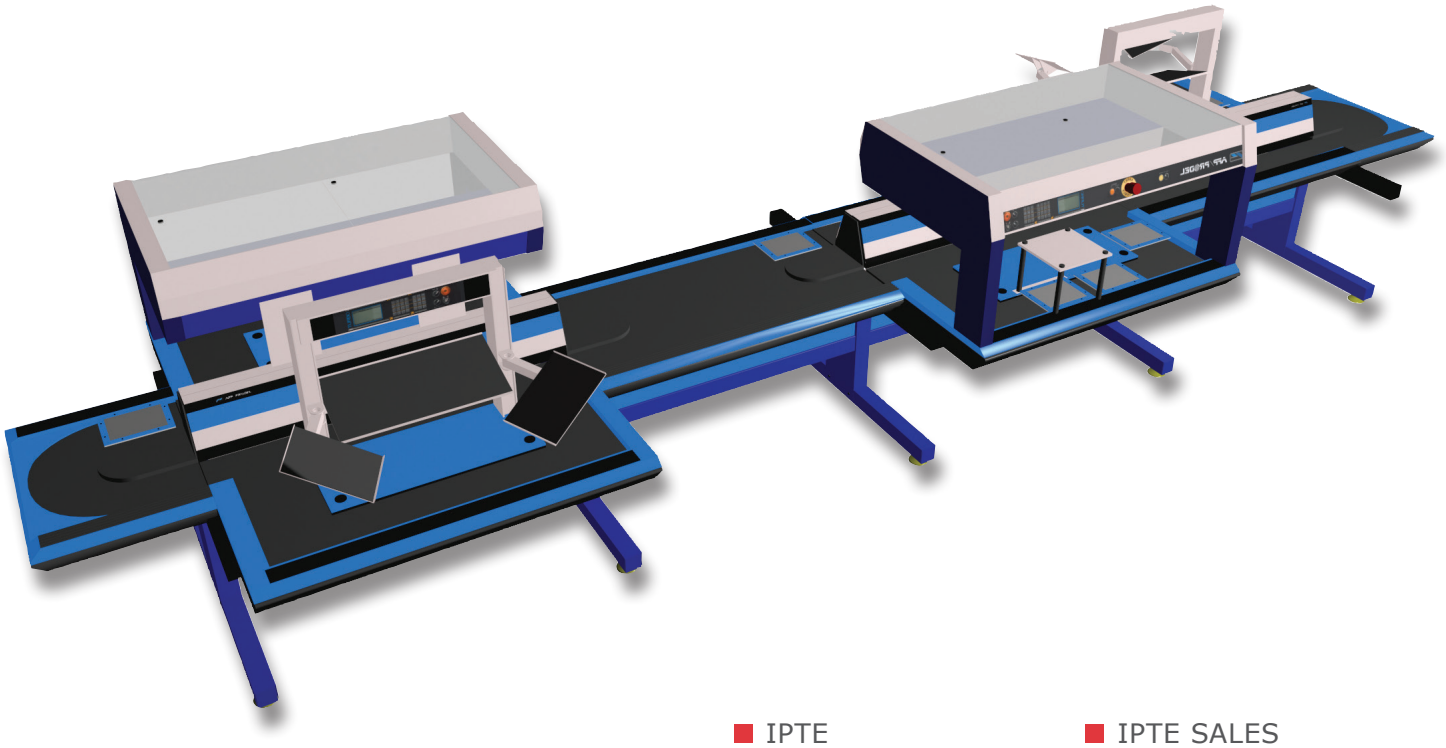
TurboKit

- ☐ Real time monitoring and managing production software
- ☐ Adaptable to process or product evolutions
- ☐ Manages multiple production orders
- ☐ Reports for each product
- ☐ Graphical output

EXPERTS IN
FACTORYAUTOMATION

AFP Specification

Pallet size:	20 x 25	25 x 28	30 x 40
Payload:	8 kg	10 kg	15 kg
Automatic station			
Positioning accuracy:	±0,05 mm	±0,05 mm	±0,05 mm
Exchange time:	1,8 sec	2 sec	2,2 sec
Conveying speed:	15 m/min	15 m/min	15 m/min
Controller:	Turbo	Turbo	Turbo
In-line:	YES	YES	YES
Off-line:	YES	YES	YES
ESD Compatible:	Option	Option	Option
TurboScope SW:	YES	YES	YES
TurboKit SW:	YES	YES	YES



■ IPTE
Geleenlaan 5
3600 Genk
Belgium
Tel: +32 (0)89 623 000
Fax: +32 (0)89 623 010
Email: info@ipte.com

■ IPTE SALES
Detailed information on our worldwide sales offices can be found on our website at www.ipte.com

WWW.IPTE.COM