AGR Total Automation Solutions

AGR has over 40 years experience in the design and build of leading edge bespoke solutions for parts handling and assembly applications. The SmartPod platform is an additional product that offers a wide range of options for new and existing clients. All systems are built to CE standards and the company has full registration to ISO 9001:2000.

SPECIFICATIONS

Key Data on the SmartPod Series of Modular Systems

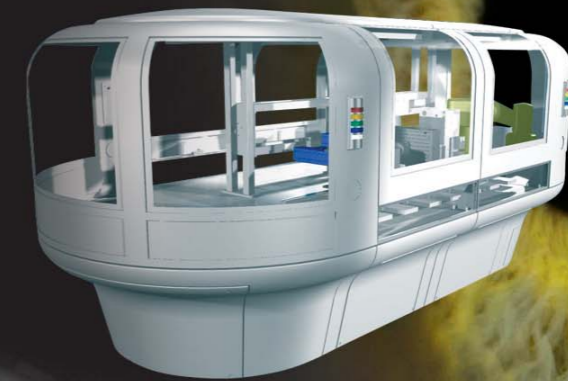|	
Pallet sizes	Full range of pallet options-standard pallet width of 150mm.Pallets can be linked together for larger assemblies up to 500mm wide
Payload	Up to 10kg
Performance	20 to 500 assemblies per minute
Materials	Stainless steel and aluminium with GRP guard
Stop repeatability	+/- 0.05mm
Controls	Industrial PC:System configuration, Production management data, HMI with touch screen, fully compliant to FDA guidance, 21 CFR part 11
Basic dimensions (LxHxW)	Standard SmartPod 216 unit - 4144mm x 2000mm x 2046mm Additional modules increase length by 1 metre
Applications available	2 - 6 axis pick and place Laser cutting / drilling Laser, thermal & ultrasonic welding Paper / foil punching Liquid dispensing Adhesive application and curing (UV & epoxy) Testing, sensing and vision inspection Integration with mould unload robots, cartridges, vibratory feed systems and belt conveyors Micro assemblies
Delivery availability	Untooled systems - 6 weeks Tooled systems - from 3 months

AGR *Automation Innovation*

AGR Automation Ltd

Elliot Industrial Estate • Arbroath • Angus • Scotland DD11 2NJ • Tel: +44 (0) 1241 872 961 • Fax: +44 (0) 1241 871 723
Email: agr@agr-automation.com • Web: www.agr-automation.com
A member of the Blakell Europlacer Group of companies.
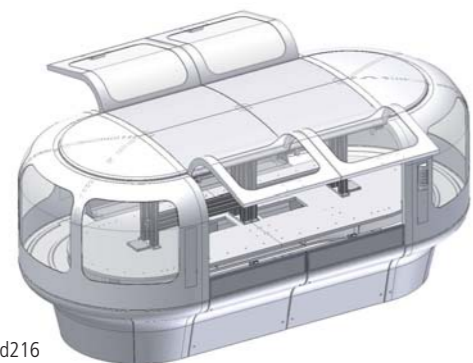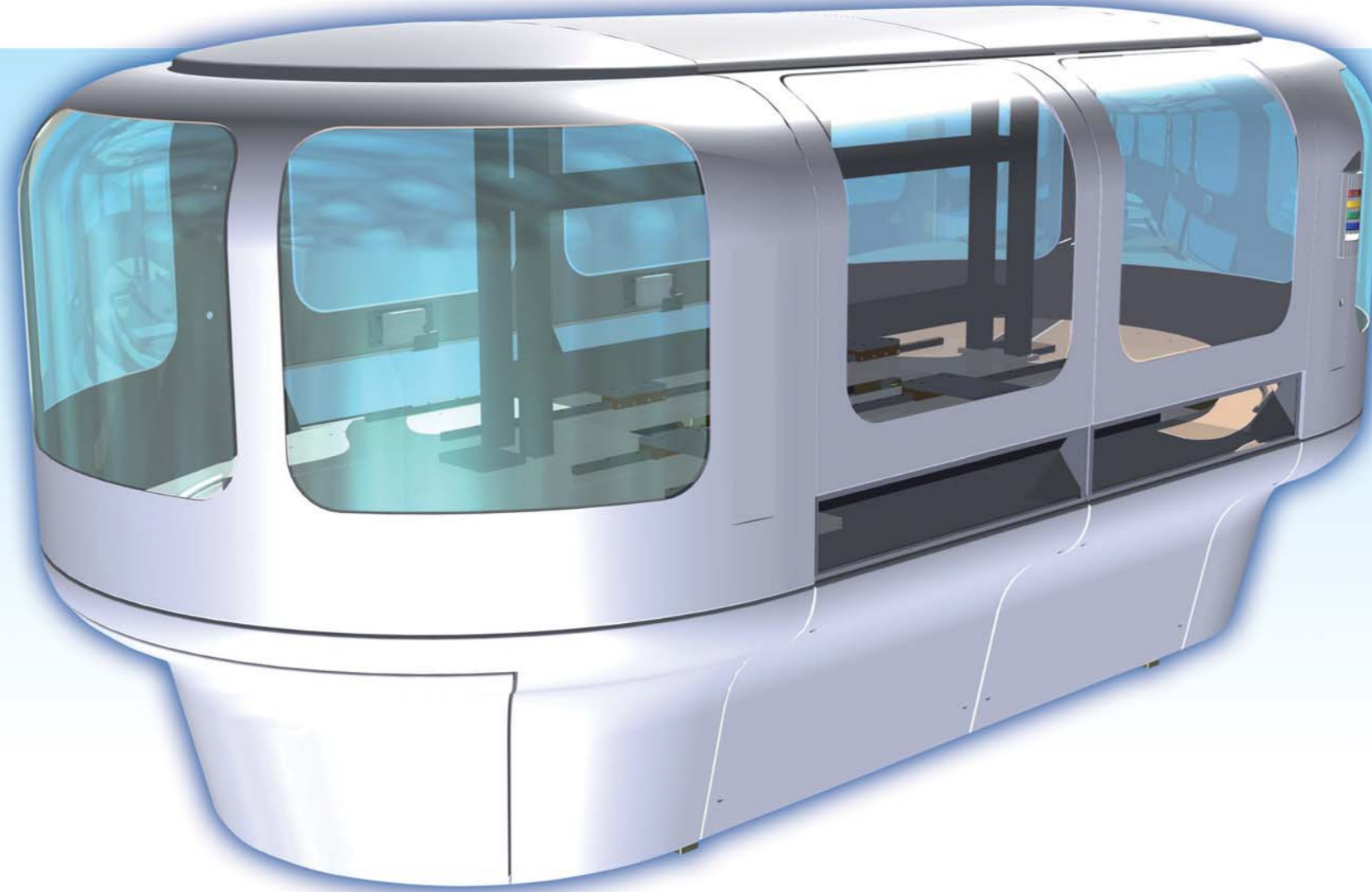
A Vision of the Future

is here today

AGR SMARTPOD

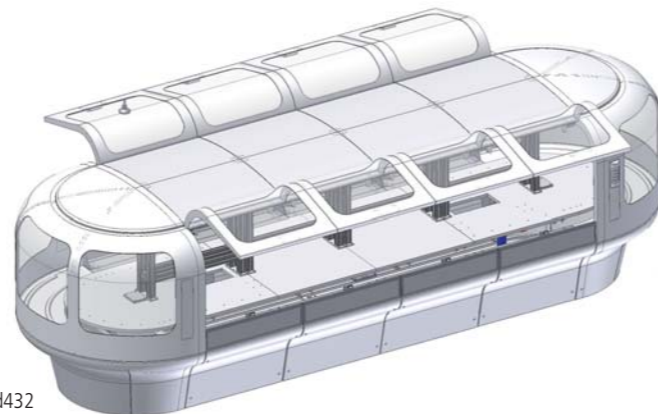# AGR's innovative SmartPod Series - the future has arrived

To meet the challenges of tomorrow's marketplace today's manufacturers require truly modular systems that are fully commissioned with excellent operating efficiencies and fast deliveries. The options for manufacturing cells using the SmartPod modular platform are infinite and the range of application-specific tooling is endless.

A single line can be up to 12 meters long, with the capability of linking to several other lines.

The SmartPod series of modular assembly platforms are supplied complete with comprehensive, validated software.
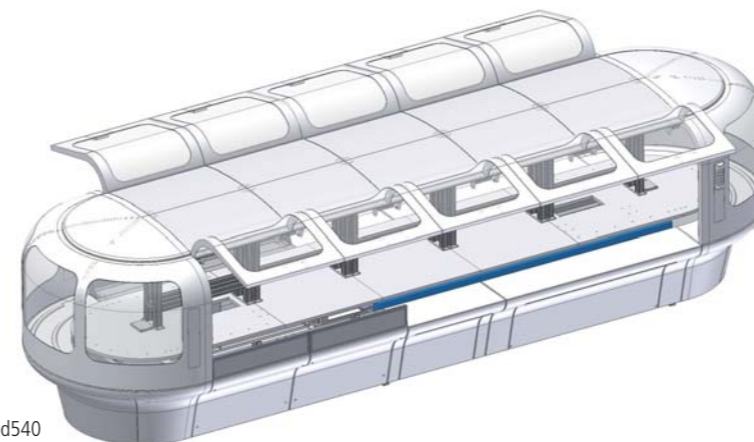
SmartPod is very much a "Vision of the Future" TODAY.

- Unique modular software controls the pallet system and the process stations enabling the complete system to be configured and reprogrammed 'on the fly' for unrivalled manufacturing flexibility.

- Stations can be moved/changed over within 15 minutes.

- SmartPod can be supplied as an untooled system readily configured to undertake a wide variety of assembly, test , packaging and process operations.

- AGR can supply fully tooled systems for a specific application and can integrate a wide variety of third party proprietary equipment.

- Unique horizontal pallet and guard design allow for unrivalled access to assemblies and tooling.

- The pallet can be operated as an X-axis which opens up many possibilities for effective use of two and three axis pick and place units.

- The fully interlocked guard system ensures maximum operator safety.

- Pallets can be operated on a system, simultaneously in indexing and continuous motion mode.

- The assembly platform is class 10,000 cleanroom rated and extremely quiet in operation.

- The individual 1 metre modules each have 8 pallet positions along their linear drive (4 on each side).

- Individual modules can be added/configured to suit new products/processes.

- AGR offers an unparalleled breadth of assembly and packaging solutions from precision micro assembly through to substantial subassemblies for the packaging and automotive industry.

SmartPod216

SmartPod432

SmartPod540