



### "3 in 1" compact systems

SMI offers compact cutting-edge solutions like the **APS P** series of automatic palletizing systems, integrating in the central column both the layer-loading head (basket) and a SCARA articulated arm which takes care of the operations of empty pallet feeding and interlayer pad insertion, thus forming a "3 in 1" compact unit.

The new palletizers of the APS P series are available both as stand-alone machines and integrated into a **Packbloc Neo** compact system, gathering in a unique, small-sized plant the operations of an **automatic packer for the secondary packaging**, an **automatic palletizer** and a **pallet wrapper**. The integration of multiple machines offers **considerable advantages**:

- *no need to install long stretches of conveyor belts, usually required to connect packer and palletizer;*
- *higher operational flexibility of the plant;*
- *cost reduction and energy savings;*
- *management of the entire system by a single operator.*

### Quick and accurate operations

The heart of the compact and integrated Packbloc Neo system is the Smipal APS P palletizer. The fixed central column houses the layer-loading head equipped with telescopic guides and an articulated arm based on SCARA technology.

All the vertical and horizontal movements of the mechanical components of this SMI palletizing system are managed by the machine's automation and control system, which, thanks to **electronically-driven brushless motors**, ensures **precise and coordinated trajectories for each one**.

The **compactness** and **efficiency** of the Packbloc Neo solution **are further enhanced** by the integration into the palletizer's frame of an **"Easy Round"** turnplate pallet wrapper, which wraps the individual layers as soon as they are placed on the pallet.



This solution is especially suited to the palletizing of unstable containers such as, for example, loose 5 to 10-liter bottles not packaged in cardboard trays and which remain firmly placed on the pallet, as it advances on the machine's conveyor belts, thanks to the wrapping of the single layer.

For further information about SMI end-of-line solutions, we invite you to contact our sales department or to visit our website [www.smigroup.it](http://www.smigroup.it).

Thank you for your kind attention. Warmest regards.

Marketing Department  
SMI S.p.A.  
E-mail: [info@smigroup.it](mailto:info@smigroup.it)  
[www.smigroup.it](http://www.smigroup.it)

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SMI S.p.A.- Via Carlo Ceresa,10 - 24015 S.Giovanni Bianco BG - Italy - Tel.+39 0345 40111 - Fax.+39 0345 40209  
[www.smigroup.it](http://www.smigroup.it)