

SMART WASP

# R600 Robot Pallet Wrapper

Mobile, fully-automatic stretch-film wrapping with intelligent pedestrian detection, programmable wrap cycles and full-shift battery operation.



**10-20**  
PALLETS PER HOUR



**8 hrs**  
BATTERY OPERATION



**2,200**  
MM WRAP HEIGHT



**No limit**  
LOAD WEIGHT

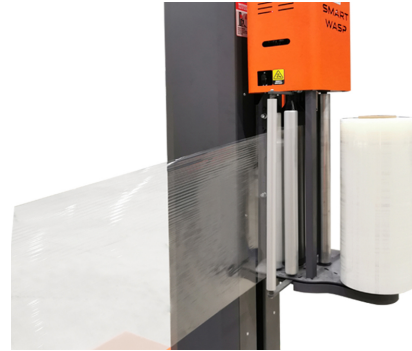
**Every pallet wrapped to the same specification.**

Consistent film tension. Guaranteed pallet stability. Less waste, less manual handling.

## Product Application

A high-specification mobile pallet wrapper for use with LLDPE stretch film. The R600 secures and protects palletised goods from dust, moisture, pilferage and damage — wrapping 10 to 20 pallets per hour across virtually any industrial setting.

- 1** Pallet stretch wrapping for LLDPE film, palletised goods.
- 2** Secures and protects from dust, moisture, pilferage and damage.
- 3** Mobile robotic format — no fixed footprint required.



## X-LINE Operation System

Touch-screen control with on-screen programming, troubleshooting and 12 program memories.

- 1** On-screen programming and troubleshooting guide, with 12 program menus and naming function for fast recall.
- 2** Password protected to prevent unauthorised program modifications.
- 3** Total pallet counter plus a resettable wrap counter for daily / weekly tracking.
- 4** Independent settings for carriage up / down speeds, top and bottom wraps and pallet overlap.

## Built with industrial-grade components

Modern component parts housed in a neat compact enclosure with a solid-state printed circuit board — engineered for reliable operation, longer life and simplified maintenance.

**Solid-state**  
control circuit

**X-LINE**  
touch screen

**SICK**  
proximity sensor

**AUTONICS**  
photo-electric switch

**WEIDMÜLLER**  
terminal block

## Efficient Wrapping

- 1 Film applied with even tension to the full pallet height.
- 2 Variable top, bottom and pallet overlap wraps.
- 3 Eliminates back-breaking hand wrapping and operator fatigue.
- 4 Guaranteed pallet stability load after load.
- 5 Every pallet wrapped to the same specification.



## Advanced Safety Technology

A pedestrian sensor pauses the machine if someone crosses its path, then resumes wrapping when clear. A safety bumper instantly stops the machine, sounds an alarm and illuminates the warning lamp. The control panel guides the operator through the reset procedure step-by-step.

**The SMART WASP is designed with safety in mind.**

## Intelligent LED Light

A mast-mounted LED indicator gives operators an at-a-glance machine state from across the warehouse.

- **Green** — Working
- **Blue** — Ready
- **Red** — Alarm

In a fault state, the touch screen guides the operator through reset and resolution.

## Main Features

**800 × 800 mm** minimum pallet size

**2,200 mm** maximum wrap height

**No limit** maximum load weight

**PPS roller** film stretching unit

**Comprehensive** safety protection system

## R600 Standard Model – Technical Parameters

Full machine specification at a glance. Two extended variants are available: the R600 CW (spare battery pack with loading cart) and the R600 VT (variable twin-motor PPS, sonic safety bumper).

MACHINE DIMENSIONS	
Length	<b>1,586 mm</b>
Width	<b>871 mm</b>
Mast height	<b>2,000 mm</b>
Control lever height	<b>1,076 mm</b>
Operating area	<b>1,800 mm additional to pallet</b>
Machine weight	<b>330 kg</b>

POWER & OPERATION	
Power	<b>1.2 kW</b>
Drive type	<b>DC electric</b>
Battery type	<b>Lead-acid cell</b>
Battery capacity	<b>48 V (4 × 12 V 100 Ah)</b>
Working time	<b>8 hours</b>
Charge voltage	<b>220 V / 50 Hz</b>
Operating temperature	<b>0 - 40 °C</b>
PLC	<b>X-LINE</b>
Certification	<b>CE</b>

WRAPPING PERFORMANCE	
Pallet size	<b>More than 800 × 800 mm</b>
Standard wrap height	<b>2,200 mm (option 2,420 mm)</b>
Max wrapping weight	<b>No limit</b>
Pre-stretch rate	<b>Std 250% (option 150-350%)</b>
Film width	<b>500 mm</b>
Film roll diameter	<b>250 mm</b>
Core diameter	<b>76 mm</b>
Speed	<b>Up to 67 m/min</b>
Up & down speed	<b>5 m/min (adjustable)</b>

### Other Models in the R600 Range

**R600 CW**  
**BATTERY + CART**

All R600 standard specifications, plus an additional battery pack with loading cart for extended-shift operation without downtime.

**R600 VT**  
**VARIABLE TWIN MOTOR**

All R600 standard specifications, plus a variable twin-motor PPS unit (0-500%) and sonic (no-touch) safety bumper for the most demanding wrap profiles.

**Talk to our packaging experts.** 0115 944 1600 | [info@kbpackaging.com](mailto:info@kbpackaging.com) | [kbpackaging.com](http://kbpackaging.com)