

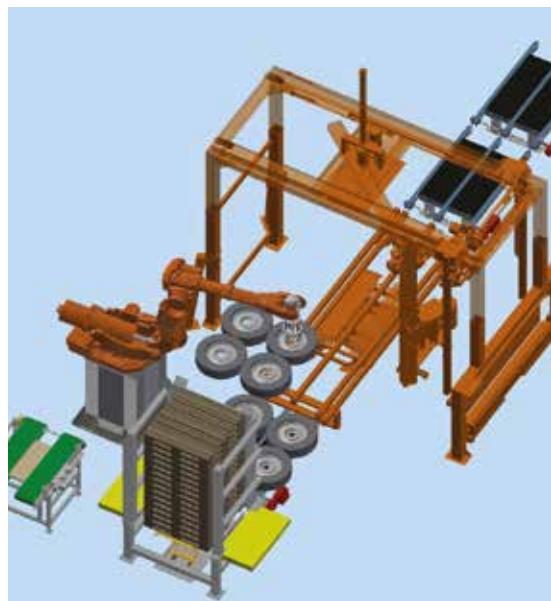
Palletizing

Domus – Domus L – Optimus – Simplex



Auto Pallet Feeding & Wrapping

- **Wheel Centering**
 - The wheel is centered for robot pick-up
- **Palletizing Robot**
 - A robot mounted on high basement
 - Pick-up of the wheel from the central bore
- **Automatic Pallet Feeder**
 - The pallets are stored in an accumulator
 - Continuous pallet feeding without interruption
- **Pallet Conveyor System**
 - Transport system composed by chain conveyors
 - Final unload by forklift in safe condition



OPTIONS

- | | |
|-----------------------------------|--|
| a. Automatic Tyre Cleaning | Brushing of tyre sidewall before palletizing, to clean it from soap traces |
| b. Automatic Film Wrapping | Wrapping of the whole wheel stack with plastic film |

OPERATING RANGE

Maximum stack height	2500 mm
Pallet Dimension	1200 x 1000 mm – 1000 x 1000 mm – 1200 x 800 mm
Cycle time	25 sec. (per wheel)

- Siemens PLC control system with Profinet communication
- Electrical control panel with touch-screen HMI and manual function pages with status indicators
- Real-time visualization of actuators, sensors, wheel parameters, and system overview screens
- Advanced diagnostic pages for monitoring, daily error logging and statistics (piece counter day/total)
- Process/product parameters editable from the operator panel outside the machine
- Zero robot programming needed

SAFETY EQUIPMENT

- Machine compliant with EEC Machine Directive
- Controlled operator access procedures to restricted areas

COLORS

Safety protection	Yellow 1021/Black 9005
Moving parts	Red 3002
Connecting boxes, electrical panels	Gray 7035
Fix parts	White 9003

POWER SUPPLY & OPERATING CONDITIONS

Electrical	400V – 50Hz TN-S
Pneumatic	6–7 bar
Room temperature	from +10°C to +45°C
Relative Humidity	from 20% to 80%

SAFETY EQUIPMENT

CE conformity declaration	English (pdf)
Electrical/Mechanical assembly drawings	English (pdf)
Spare part list	English (xlsx)
Maintenance, operational & user manual	English (pdf)