MOTOMAN PL190-100
Palletizing & Handling with the PL-series

The fast 4-axis MOTOMAN PL190-100 achieves top performance with over 2000 cycles per hour for box, carton and pack palletizing in final packaging and logistics.

The special parameterization of the motors and the fine-tuned kinematics ensure highest accelerations for even faster cycle times with a high payload of 100 kg. The large working area with a maximum reach of 3,159 mm and an achievable stacking height of over 2,600 mm allows versatile use for all palletizing tasks. The MOTOMAN PL190-100 robot is very compact and no longer requires a heavy counterweight. It also features a low overall height, slim design and small footprint.

The media cables for grippers can be routed through all axes and its hollow wrist in a protected and collision-free manner.

The MOTOMAN PL190-100 uses energy-saving Yaskawa Sigma-7 generation servo motors and the compact YRC1000 high-performance controller.

The perfect combination is offered with the optional Functional Safety Controller (FSU) for safeguarding compact work areas, or with MotoLogix© for easy programming of the robot via PLC function blocks.

KEY BENEFITS

- High cycle time performance: > 2000 cycles/hour with full payload (400 mm – 2000 mm – 400 mm motion pattern)
- New Sigma-7 servo motors → high accelerations, speed, energy efficiency
- High payload: max. 100 kg
- Large working range: 3,159 mm
- Compact and slim design, no counterweight balancer
- Internal cable and wire routing, hollow wrist
- Advanced functional safety (FSU) with YRC1000 controller
- Programmable by PLC function blocks via MotoLogix software interface
- Dust and liquid proof wrist design (IP54/67)
Specifications PL190-100

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Mounting option: Floor
IP Protection: IP54 (body), IP67 (wrist)