

Robots W832 pro – W843 pro

NEW

The new *pro* series takes the WITTMANN W8 robot series to a whole new level of performance. – Countless improvements guarantee the highest efficiencies.

- Rugged design of the robot.
- Modularity of the robot mechanics and of the drive and control system architecture.
- The elaborate modular design allows for an optimal cost/performance ratio.
- **Advantages:**
 - Reinforced profiles for higher load rating and longer durability.
 - **ambiLED** indicator lamp for simple display of the robot's operating modes.
 - **EcoVacuum**: synchronized vacuum for optimizing the consumption of pressurized air.
 - Minimized number of cables in the cable chain through innovative decentralized arrangement of the electronic components.
 - Reduced noise emission through optimized cable chain.
 - Integrated energy storage for higher energy efficiency, creating typical savings of 20%.
 - Integrated connection technology for vacuum and gripper circuits.



W833 pro

Middle Series				
Robot	W832 pro	W833 pro	W842 pro	W843 pro
Horizontal stroke Z-axis max. mm	5,000	5,000	6,000	6,000
Vertical stroke Y-axis max. mm	1,600 Single vertical axis	1,800 Telescopic axis	1,600 Single vertical axis	2,600 Telescopic axis
Kick stroke X-axis max. mm	900	900	1,200	1,200
Kick stroke reach max. mm	1,160	1,290	1,460	1,590
Handling load parts-gripper max. kg	25 (35*)	15	25 (35*)	25 (35*)

*Depending on the lengths of axes, the number of additional axes, and supplementary equipment respectively.

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The New Middle Series

■ W832 pro

The vertical arm is a rigid aluminum extrusion with two high load linear bearings and a maximum length of 1,600 mm (63"). Designed for payloads up to 35 kg (77 lbs) and offering a high torque C-axis rotation for placing. A popular robot for insert jobs.

■ W833 pro

Gripper and part weight up to 15 kg (33 lbs) with a maximum vertical stroke of 1,800 mm (71"). Therefore best suited for flexible automation on injection molding machines up to approximately 750 tons.

■ W842 pro

For greater payload and versatility around molding machines of up to 800 tons of clamping force.

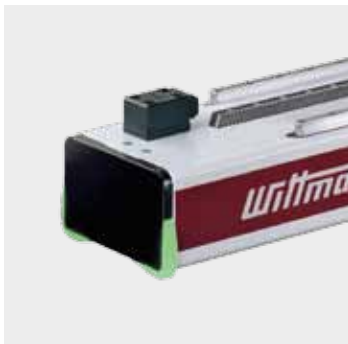
■ W843 pro

The larger more substantial main beam and double walled kick stroke extrusion for payloads up to 35 kg (77 lbs) and vertical strokes up to 2,600 mm (102") for palletizing on pallets located on the shop floor.

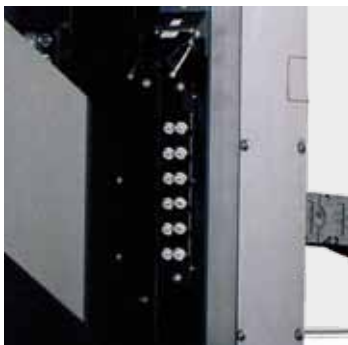
W8 pro Features

- **ambiLED** indication lamp shows three different operating modes.

1. Green signal:
Robot works in the automatic mode.
2. Blue signal:
Manual intervention is necessary.
3. Red signal:
Safety door open.



- Integrated connection technology for vacuum and gripper circuits.



- Optimized cable chain.



- Integrated control cabinet for minimizing the space requirements beside the injection molding machine.



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