Smart Manipulator







Manipulator Technologies Integrated technologies on Manipulator



FullSharp manipulator

1. Safety valve system

Monitors arm movement to prevent operating errors that could injure the operator.

2. Check valve and air reservoir

The arm keeps working if the air supply is cut or a hose breaks, so the workpiece is not dropped during operation.

3. Gripper self-locking system

A check valve keeps the workpiece from falling out in the event of any air leak or operating error.

4. Automatic brake system

Automatic brakes at the joints stop the arm exactly in position, keeping it safe when the operator lets go of the control handle.

5. Mid-air load lock

Keeps the workpiece locked while suspended in mid-air, even if the operator presses "release".

6. Automatic balancing for changing loads

Sensors calculate the load weight and balance it automatically for light, precise handling.

Contact us for consultation and a quotation

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Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.