



 A business of BARNES GROUP INC

SUPER CAPBOX



**NO CABLES ALONG
THE ROBOT**

**SUPERCAPACITOR
TECHNOLOGY**

- Embedded Supercapacitors.
- Millions recharge cycles.
- Long lasting charge (more than 20 cycles executable with a full charged device).
- Fast recharge process with spring contact connectors (< 5 sec.).
- Suitable to all Mechatronics grippers and actuators.
- Bidirectional wireless communication with the electric cabinet.

CAPBOX



The Capacitor Box allows a correct functionality of Gimatic's electric grippers in all the cases where power supply is limited in peak current (i.e. some collaborative robots).

- 3 models available (one for grippers size 16 and 25, one for grippers size 32).
- Plug & Play system.
- Compatible with all Gimatic electric actuators.
- Compact dimensions.
- Embedded connection of power supply, command signal and additional I/O.
- Plug & Play connection with standard M8 8-pin connectors and angular M8 3-pin/4-pin connectors (depending on the version).



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CONCEPT



BRAKE-CLUTCH GRIPPING SYSTEM RPF

THE UNIQUE
ELECTRIC GRIPPER
USING MOTOR +
ENCODER + SOFTWARE
OF THE ROBOT.

NO DRIVER OR
SOFTWARE REQUIRED

- **SMART:** wrist rotation mechanically drives gripper opening and closing.
- **LOW COST:** no additional electric or pneumatic motor, only a brake-clutch.
- **DIFFERENT GRIPPING SOLUTION:** 2 or 3 fingers linear motion, angular or radial.

- **FLEXIBILITY:** force control or position control.
- **USER-FRIENDLY:** no additional software required.
- **FULLY CUSTOMIZABLE:** Clutch switch could manual, pneumatic, hydraulic or electric.

SWITCHING THE CLUTCH
YOU CAN ROTATE OR
DRIVE THE GRIPPER



CONCEPT

