



# Industrial Manipulators



Dalmecc offer a wide range of manipulators, fitted with custom-built tooling for the “weightless” handling of various mechanical components.

Simple to use, they allow the operator to move the products quickly, accurately and easily in the operating space.

The type, design, dimensions and picking systems incorporated in these manipulators are tailored to suit the specific requirements of the user and the varying environmental conditions available.





1188

PFC type Posifil manipulator, column design, fitted with fork tooling, specially shaped to fit metal containers.



P03

PMC type Partner manipulator, low profile column unit for operating in an area with low ceiling height. The unit is equipped with pneumatic grippers for handling electrical collectors, and enables the operator to handle them in a off-set position.



P04

PMS type Partner manipulator, overhead trolley mounted, complete with pneumatic gripper tooling for the movement of boiler components, suitable for picking and moving components from an overhead conveyor, and following 90° pneumatic inclination, for placing these on a pallet. The overhead tracking is also made by Dalmecc.



1199

PMC type Partner manipulator, column design, equipped with gripper system to take and move metal containers.



1233

PVC type Posivel manipulator, column design, fitted with a hook for handling insulators.



PMC type Partner manipulator, column mounted, with pneumatic tooling for picking mechanical components and manually rotating them through 180°, for use on a machining centre.



MPS type Minipartner manipulator, overhead trolley mounted running in dual track, with pneumatic tooling for the picking and placing crankcases from a roller conveyor on a pallet.



PMC type Partner manipulator, column mounted, equipped with pneumatic tooling for the picking and rotation of mechanical components.



PMC type Partner manipulator, column mounted, used to handle cylinder heads.



Suction tooling head used to handle motor vehicle floor pans from pallets to welding machine.

# MECHANICAL COMPONENTS



1266

PMC type Partner manipulator, special column design, with integrated permanent electromagnets designed for taking two or three leaf springs at the same time which are placed level nearby on a pallet and, with the control of inclination up to 90°, for positioning them vertically on the balancing unit of a coating line.



P12

Pneumatically actuated jaws for gripping metal curved tubing, complete with pneumatic 90° inclination system and manual rotation through 180°.



P13

Pneumatic gripper made for positioning drive shafts on a work centre.



0020240

PMC type Partner, column mounted manipulator, with gripper equipment, made for taking and moving tractor rims of various sizes.



P15

Pneumatic equipment to move valve bodies. The grippers are adjustable to allow picking of valves with different dimensions.



PMC type Partner manipulator, column mounted version, used for the handling of crankcase sets..



Manipulator with pneumatic equipment for taking by the two lateral holes and pneumatic rotation through 180° of reduction gear bodies, which is used for a boring machine.



Manipulator with pneumatic gripper for taking and rotating transmission shafts.



PMC type Partner manipulator, column design, with pneumatic gripper equipment, made to move mechanical parts from pallets to a vertical machine tool.



Manipulator with pneumatic gripping tool for picking and 90° pneumatic inclination of cylinders.

# MECHANICAL COMPONENTS



PMC type Partner manipulator, column design, equipped for loading and unloading of assembled leaf springs from a coating plant. The Manipulators have been given two types of picking equipment, which may be interchanged quickly: one uses a permanent magnet with electronic control and the other uses grippers.



PMC type Partner manipulator, column design, with special equipment for picking, inclination and rotation of gears.



P35

Manipulator with equipment for moving wheel hubs with 180° manual rotation.



0426729

Pinch jaws tooling for the gripping and pneumatic rotation of milling machines parts having different forms and weights.



1310

PMS type Partner manipulator, overhead trolley mounted, designed to take cylinders from the press. The equipment which is made from stirrups with shaped bushings which allow the cylinders to be taken from the pallets and put on the support of an automatic storage area, or vice versa.



P28

Manipulator with pneumatic gripper for moving metal bars, with 180° manual rotation.

# MECHANICAL COMPONENTS



1329

PMF type Partner manipulator, fixed overhead, provided with pneumatic pincer to move with servo-assisted inclination, semi-axes to be transported to the die-stamping machine.



P30

Manipulator with gripper equipment for picking the complete suspension of a railway carriage and the relative positioning in a dynamic testing machine.



P31

Manipulator with gripper equipment and pneumatic systems for 90° inclination and 180° rotation, for moving specific items from aircraft wings.



1333

PMC type Partner manipulator, column design with special gripper equipment for taking smelted items from a conveyor belt.



P33

Manipulator with equipment for loading and unloading of aero engine collectors from a welding plant. A steering wheel on a equipment enables manual inclination of the collectors.