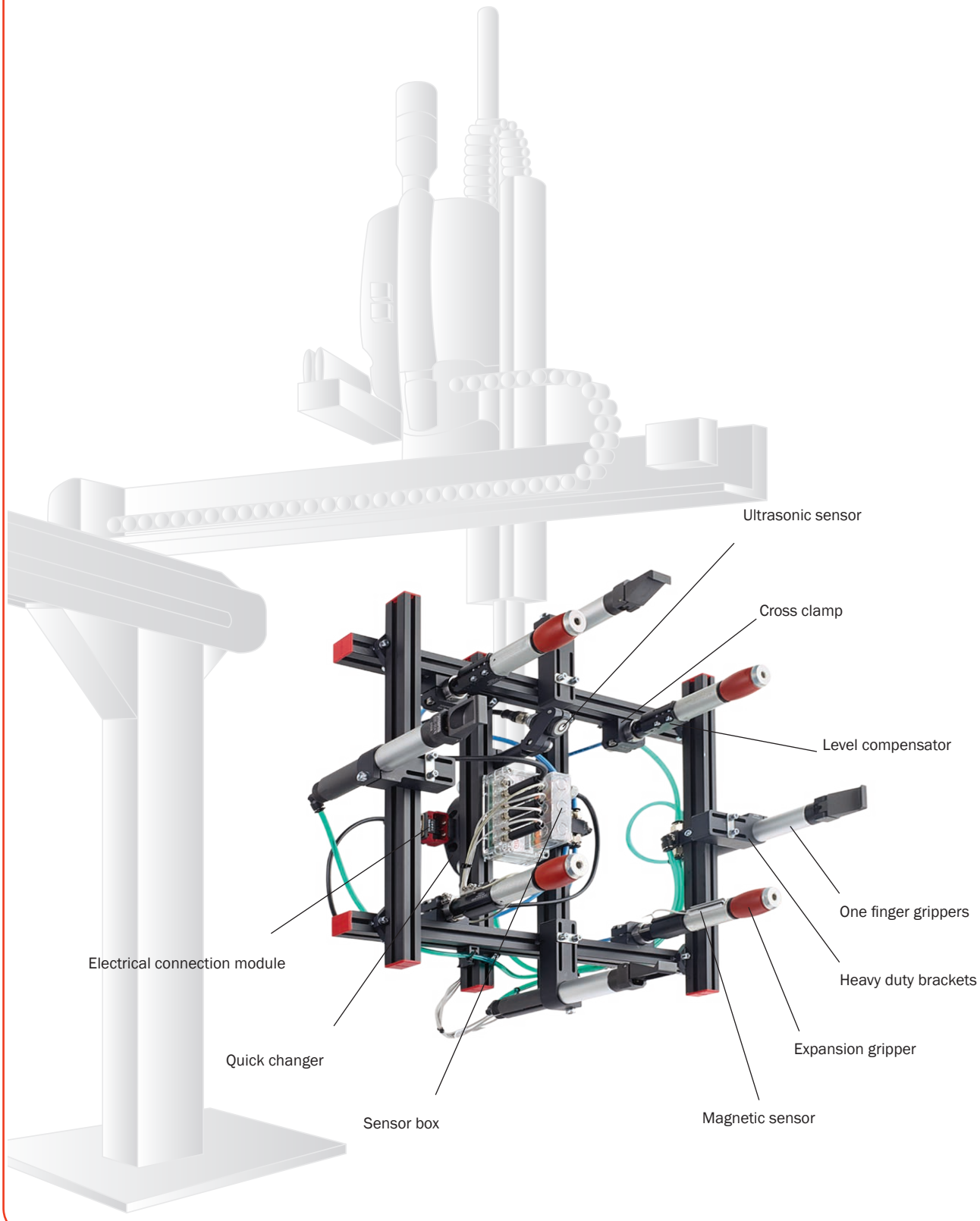
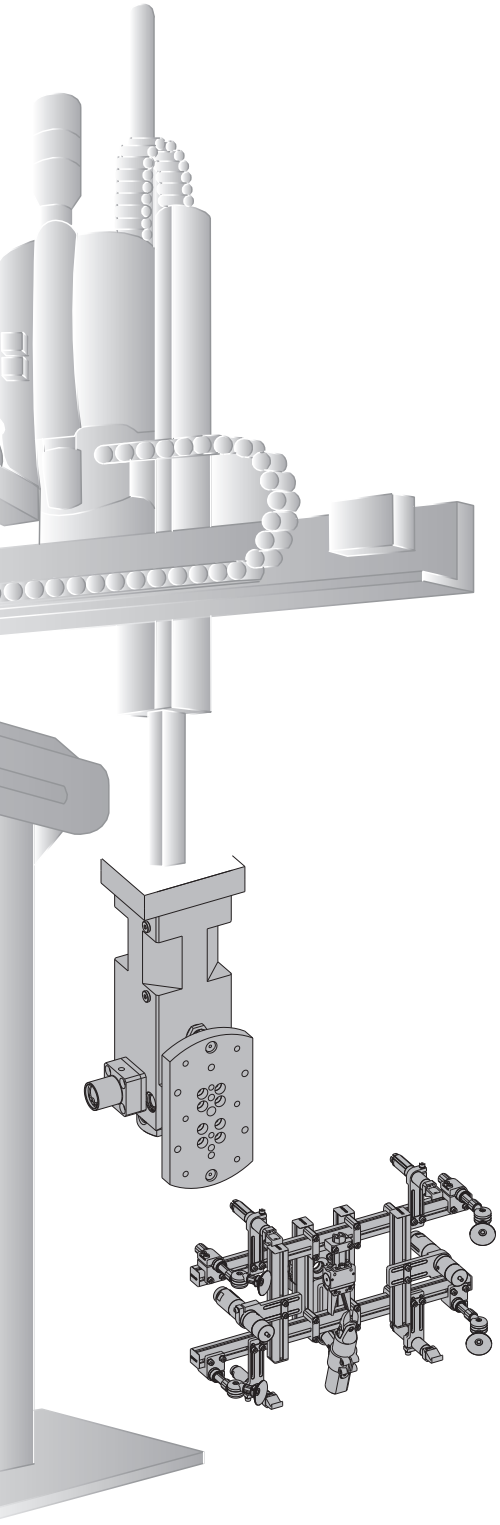
End Of Arm Tooling

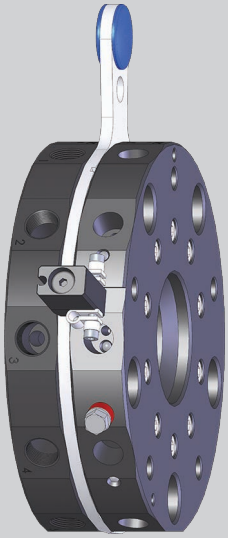
What is the EOAT?
It is the frame (with all necessary tools) mounted on the robot used to unload the injection moulding machine.
Its jobs are:

- to take the moulded part out of the mould;
- to grip it firmly;
- to separate the moulded part from the sprue;
- to grip the sprue after cutting;
- to drop the sprue in the recycling machine;
- to unload the moulded part onto a pallet or a conveyor.



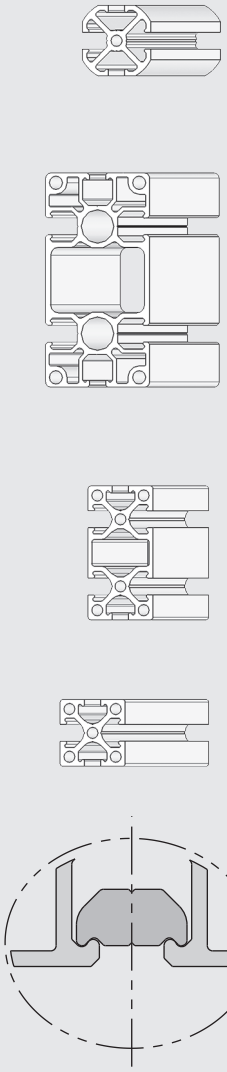
End of Arm





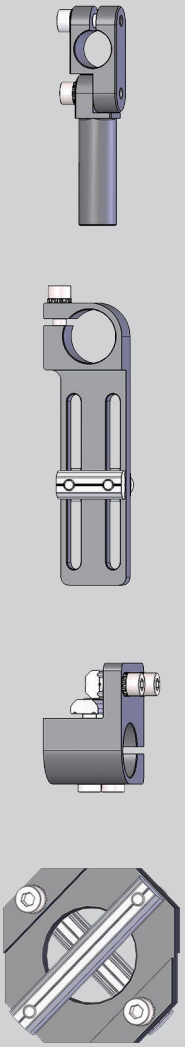
QC

- Quick changers for easy connections between the robot and the EOATs.
- 15 models and 5 sizes up to 75kg payload.
- Pneumatic and electric connections.
- Air valves.
- LOQC for the safety lock.
- RFID for the identification of the EOAT.



EMB

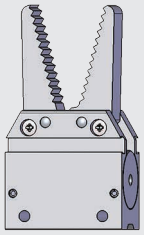
- Aluminum profiles for the EOAT framing.
- Special nut design for a rigid fastening.
- Black and silver anodization.
- Square or round shape.
- 15 sizes.

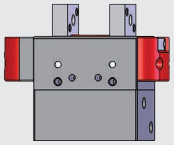


MFI

- Brackets for the actuator mounting on the frame.
- More than 500 codes for a perfect positioning.

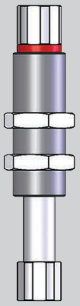
Tooling (EOAT)

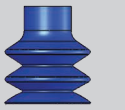




Grippers

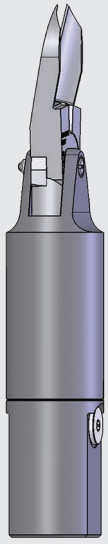
- One or two finger pneumatic grippers.
- Expansion gripper.
- For the part holding.
- For the sprues holding.
- For accurate insert positioning.
- More than 200 codes EOAT dedicated.

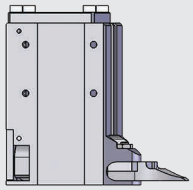


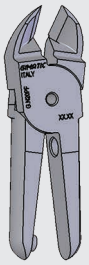


VS

- Vacuum cup holders.
- Suspensions with internal spring.
- Rotative or non-rotative.
- Non-marking rubber materials.
- More than 500 codes PLASTICS dedicated.

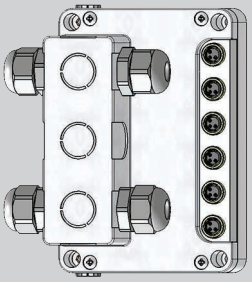


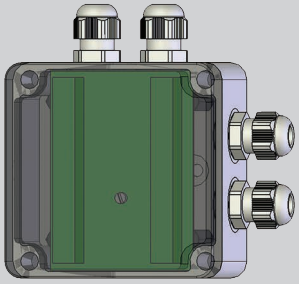




GN

- Nippers for degating.
- Scissor or guillotine style.
- 10 nipper sizes.
- Interchangeable blades.





SB

- Sensor boxes for processing the signals from the actuators.