



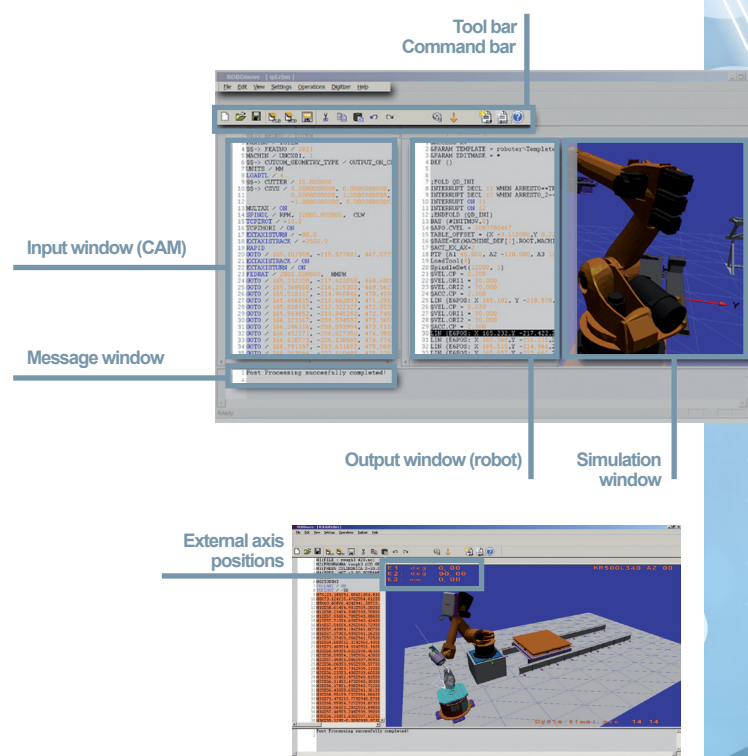
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QD
The robotics [®]**solution** Soft
ware
RoboTMMOVE

Increase your degree of freedom with...

... RoboMOVE

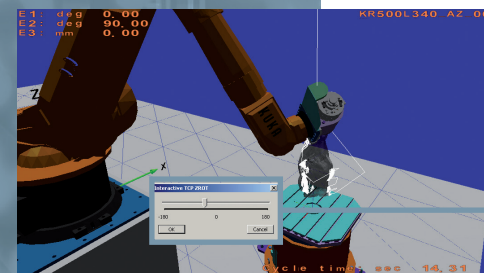
RoboMOVE™ is the Qdesign S.r.l.
off line software solution that allows a
robot program generation and simulation
starting from a tool path created using
any traditional **CAM**
(Computer Aided Manufacturing).
RoboMOVE™ can import,
post process and simulate
any ISO or ATP code.



1. Post processing functions

RoboMOVE™ allows user to choose among a large number of strategies to manage robot axes either manual or automatic. These strategies allow user to optimize tool motion, whatever type it is, on the basis on the application requirements.

- Single/multi instruction TCP "Z" axis rotation management.

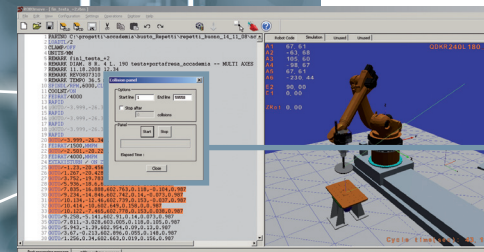


Interactive strategy for
redundant degrees of
freedom

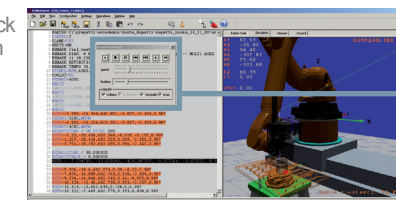
2. Simulation features

RoboMOVE™ simulation scene features allows chosen general program settings and post processing strategies verification and applicability.

- Work space check
- Singularity configuration check
- Collision check and detection
- Cycle time calculation



Collision
Check



Collision
detection

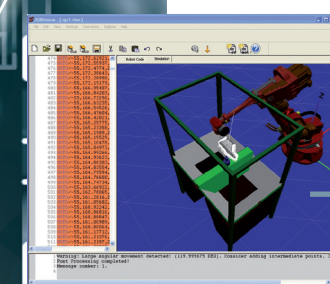
3. Tools

Although RoboMOVE™ is an offline CAM to robot post processor and simulator it anyway gives user some robot traditional off line application features.

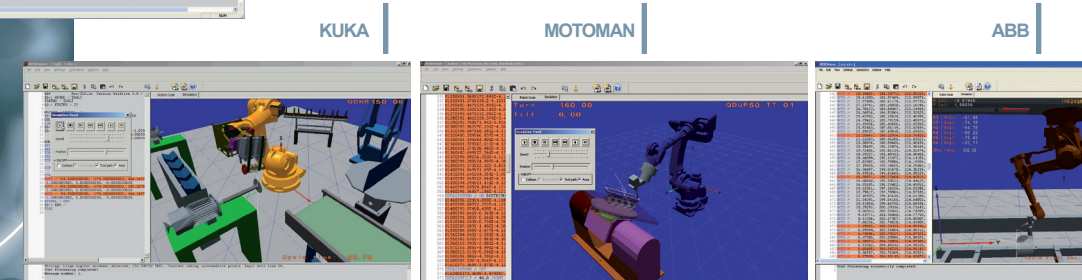
- Interactive TCPZROT
- Offline interactive teaching
- Most common mechanical digitizers
direct integration: Microscribe, Faro, Baces 3D
- Editing functions on ISO and APT code
- Automatic endeffector
- Cad file import

4. Robots and kinematic configurations

RoboMOVE™ is available and compatible for any industrial robot brand: **KUKA, ABB, MOTOMAN, STAUBLI, COMAU, FANUC, MITSUBISHI, KAWASAKI, etc...**
RoboMOVE™ can manage up to six external axes ad robot mover and up to six external axes as piece mover.
External axes, whether they are robot movers or piece movers, can be managed by RoboMOVE™ in positioning mode or in robot coordinated mode; in both cases a large number of program optimization strategies are available on the basis of the application requirements, on the piece dimensions and on the working program.



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5. Applications

Great results on RoboMOVE™ use have been obtained in the following applications.

- Various materials milling: stone, EPS, aluminium, polyurethane paste
- Surface finishing
- Fabric and leather, laser, plasma, Water jet cutting
- Holmaking
- Deburring
- Cakes dressing
- Composites and plastic material trimming
- Digitizing arm
- **Shoe Manufacturing***

