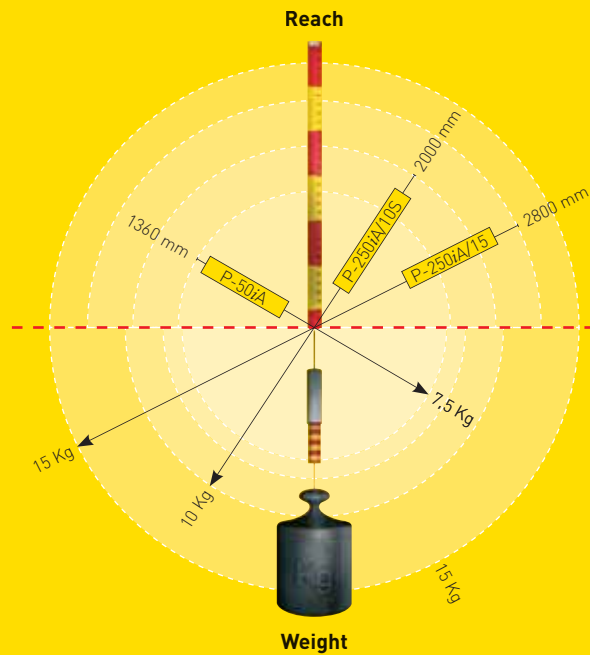


PAINT SERIES

	Robot model	Controller	Controlled axes	Max. load capacity at wrist [kg]	Repeatability [mm]	Mechanical weight [kg]	Reach [mm]	Motion range [°]						Maximum speed [°/s]						J4 Moment [Nm]/ Inertia [kgm ²]	J5 Moment [Nm]/ Inertia [kgm ²]	J6 Moment [Nm]/ Inertia [kgm ²]	IP Rating
								J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				
Paint Robots	P-50iA	R-30iA	6	7.5	± 0.2	249	1360	275	270	294	1080	1080	1080	160	160	160	460	480	600	—	—	—	Fully enclosed mechanism purged with dry air. ATEX certification for explosive environment. CE EX II 2G EEx p ib c IIB T4.
	P-250iA/10S		6	10	± 0.2	495	2000	320	280	314	1080	1080	1080	160	160	160	375	430	545	—	—	—	
	P-250iA/15		6	15	± 0.2	520	2800	320	280	330	1080	1080	1080	160	160	160	375	430	545	—	—	—	



The Paint robot series is available in following models:

- P-50iA with 7.5kg payload and 1360 mm reach
- P-250iA/10S with 10kg payload and 2000 mm reach
- P-250iA/15 with 15kg payload and 2800 mm reach

THE FANUC PAINT ROBOT SERIES IS SUITABLE FOR A WIDE RANGE OF PAINTING AND COATING APPLICATIONS. THEY OFFER HIGHEST FLEXIBILITY AND PRECISION TO PAINT ALL SORTS OF MATERIALS SUCH AS PLASTICS, METAL, WOOD ...

» FEATURES AND BENEFITS

FANUC painting robots are ideal for many types of materials and applications:

- Automotive body (interior and exterior)
- Automotive parts
- Plastics (e.g. mobile phone)
- Wood
- Steel
- Anti-corrosion
- ... and many other

ALUMINUM LIGHT WEIGHT ARM FOR PAINTING

- Aluminum construction
 - Requires less power for operation, hence reduced power consumption costs
 - Enhanced security: no risk of ignition source in case of collision
 - Easy cleaning
- Smooth exterior surface to minimise contamination

HOLLOW WRIST FOR PAINTING

- Patented hollow wrist for P-50iA / P-250iA/15 / P-250iA/10S:
- Inner diameter of 60 mm from J3 to J6 arm for P-50iA
- Inner diameter of 60 mm from J4 to J6 arm for P-250iA/15 and P-250iA/10S
 - Gives maximum flexibility to user for dressout package design
 - Reduces risk of damage to the hoses
 - Most cost efficient for dressout package
 - Limited risk of contamination to the part from debris falling from exposed paint hoses
 - Allows tight movements without risk of snagging paint hoses
 - Production proven wrist design - third generation!

COMMON DESIGN DIRECTION AND COMPONENTS

- EX proven mechanical unit is achieved by purging not only the 2 areas where the motors are installed but also the whole cavity of the robot - standard FANUC motors can be used.
 - As reliable and dynamic as all other FANUC robots
- Standard gears, motors and reducers as used in all FANUC robots with direct motor coupling, hence same recognised reliability
- Proven FANUC robot controller
 - Same program structure as yellow robots
 - Ease of programming

DEDICATED AND POWERFUL APPLICATION SOFTWARE = PAINTTOOL

PaintTool offers advanced process functions:

- Process orientated operating
 - Saving time for setting of process parameter setting
 - Process specific terminology
 - Atomising and fan air calibrated units
 - 40 Presets by Color
 - "Hot Edit:" editing of paint parameters and motion points during production
 - Easy set-up of line tracking programs
- (See chapter Application Tools)

INTERNAL CABLE ROUTING

Colour and air hose cables are routed inside the hollow J3 arm

- No restriction in the work envelope
- Greater security thanks to cable fixing
- Hoses are routed through the wrist, which keeps the work piece clean

FLOOR, CEILING MOUNT

- Robot can be mounted on the floor and on the ceiling without any restrictions
 - Ceiling mounted robots provide easier access to machine being serviced and part load/unload area
- Note: the P-50iB can also be wall mounted (90°)

ATEX APPROVED

Robot is entirely ATEX (explosion proof)

- Category 2
- Group IIG (previously zone 1)



P-50iA
P-250iA/10S
P-250iA/15



P-50iA
P-250iA/10S



P-50iA
P-250iA/10S
P-250iA/15



