

Vip Italia Engineering s.r.l.



building engineering automations with robotics

ufficiotecnico@vipitaliaengineering.com

24064 - GRUMELLO d/MONTE (BG) via M.Cefalonia 8/10 - Tel.+39 035 831 779 – Fax. +39 035 5096 925
Assistenza Tecnica: Cell.+ 39 366 7210740 - +39 348 2294324

TXPaint250 painting robot

New



Painting

Spraying

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RS

Scara / 4 axis

TX

low payload/ 6 axis

TX

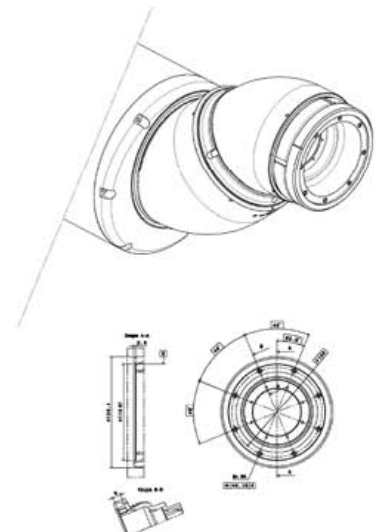
medium payload/ 6 axis

TX

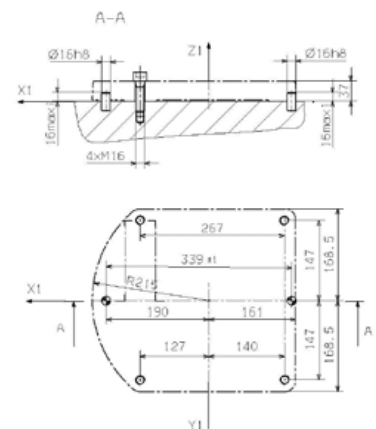
heavy payload/ 6 axis

MODEL		TXPaint250
Characteristics		
Maximum payload ⁽¹⁾		10 kg
Nominal payload		5 kg
Payload in forearm		8 kg
Maximum horizontal reach		2550,20 mm
Number of degrees of freedom		6
Motion range	Axis 1	± 160°
	Axis 2	± 137,5°
	Axis 3	± 155°
	Axis 4	± 540°
	Axis 5	± 540°
	Axis 6	± 540°
Work envelope	Maximum horizontal amplitude	2042,20 mm
	Maximum vertical amplitude	4168,60 mm
	Minimum reach between axis 2 and S point	508 mm
Maximum speed	Axis 1	120°/s
	Axis 2	110°/s
	Axis 3	160°/s
	Axis 4	360°/s
	Axis 5	360°/s
	Axis 6	385°/s
Maximum painting speed		1,5 m/s
Weight		250 kg
Brakes		All axis
Pneumatic painting pre-equipment located in elbow foundry	Version A	2 solenoid valves + 3 proportional valves
	Version B	1 pump motor + 2 proportional valves + 2 solenoid valves
Stäubli CS8 series controller		CS8C
Installation environment		
Working temperature according to standard directive NF EN 60 204-1		+5°C to 40°C
Humidity according to standard directive NF EN 60 204-1		30% to 95% max. non-condensing
Attachment methods		Floor/Ceiling
Certification (pending)		CSA-FM (USA)/CE (Europe) /TIIS (Japan)

Wrist



Mounting (not for vertical cable outlet option)

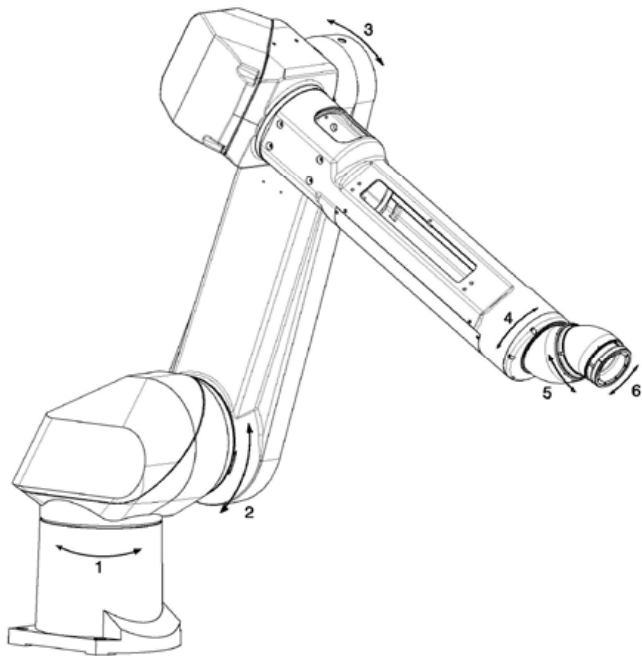


(1) Under special conditions, consult us.

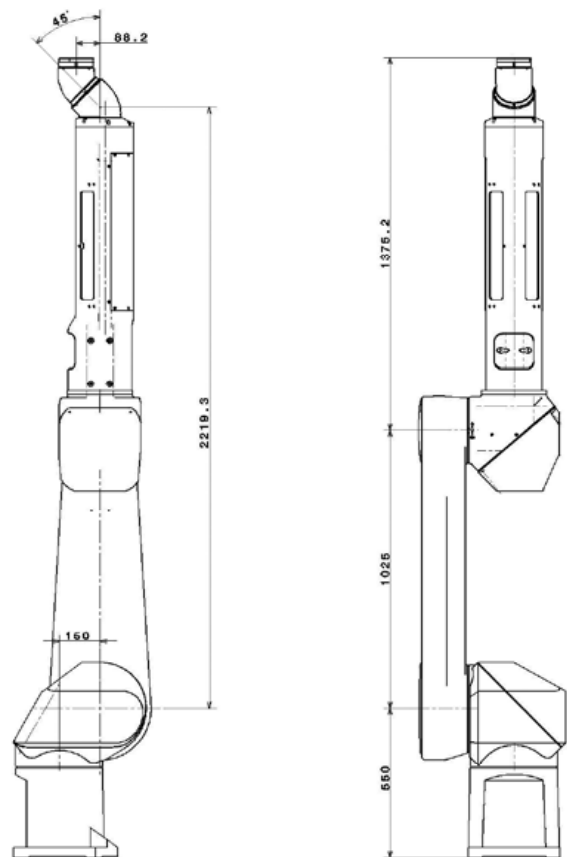
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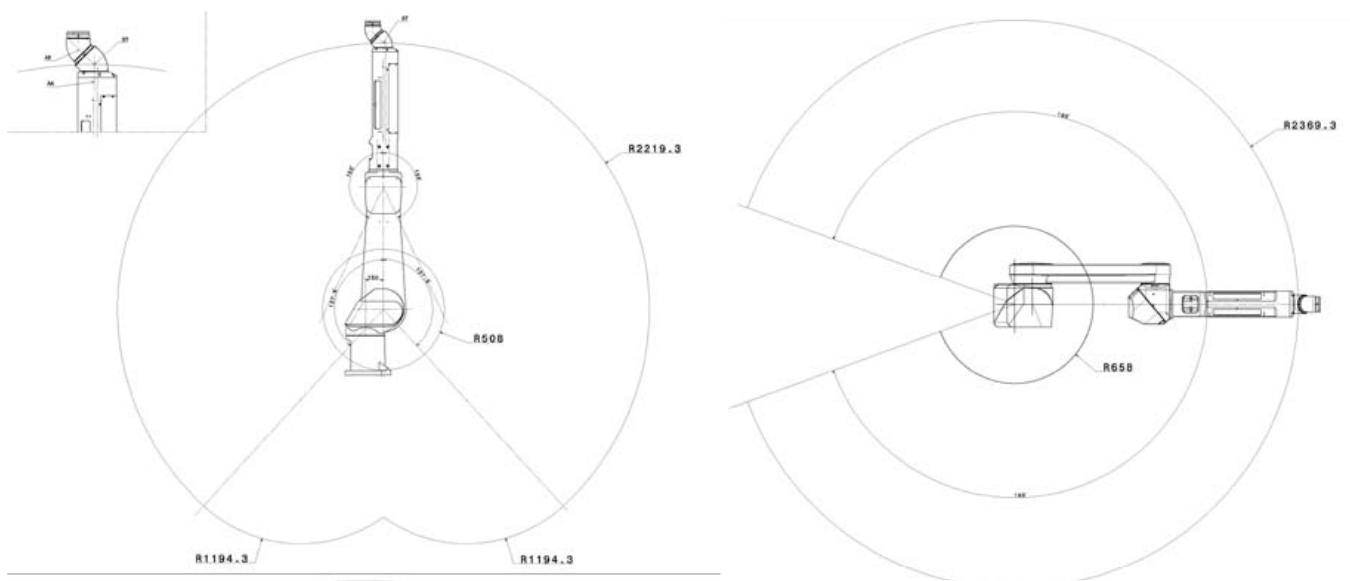
Motion range



TXPaint250 dimensions



Work envelope



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Product benefits

The TXPaint250 robot features unique benefits to fit in all environments providing the best possible process quality and increased productivity.



HOLLOW WRIST

All painting equipments fit inside the arm. Reduced contamination risks.



STÄUBLI PATENTED REDUCTION GEAR SYSTEMS

Unmatched precision, flexibility and speed, high rigidity, reduced maintenance.



MULTIPLE APPLICATIONS

For plastics, wooden or metallic parts. Application of primers, undercoats or varnishes. Adapted to solvents, water or powder paints.



CERTIFICATIONS

Pending for: USA (FM-CSA), Europe (CE) and Japan (TIIS)

PaintiXen

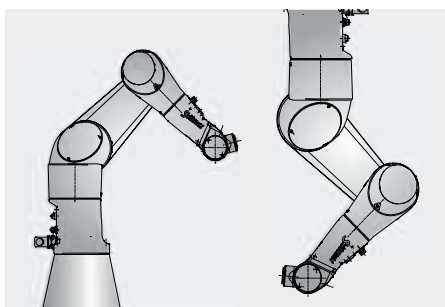
PAINTIXEN PAINTING SOFTWARE

This software provides simplified robot use and programming of conventional water-based and powder painting applications or electrostatic applications.



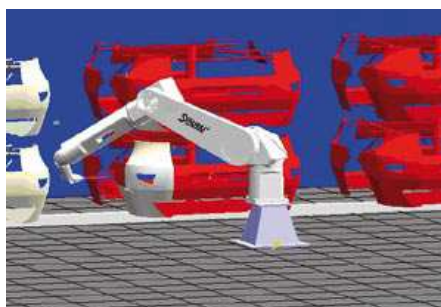
ARM FINISH

Resistant to solvents, easy to clean.



MULTIPLE ATTACHMENT METHODS

Adaptability and flexibility (floor, ceiling).



SIMULATION

Simulation enables to define robot model, its position, cycle time and possible collisions.



COVER PROTECTION

A cover can be installed on the robot forearm for additional protection.

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