#Criterion for Success

-The platform can operate smooth omnidirectional translation and rotation.

-The robotic arm can fetch a 200\*200\*200mm, 600g-700g EVA cubic (we assume it as dangerous material in laboratory) from a 218\*218mm square section tunnel precisely.

图示

描述已自动生成

Fig. 1 The cubic use for achievement testing.

图示

描述已自动生成

Fig. 2 The tunnel uses for storing cubic.

-The robotic arm can transport the cubic and then placing it into a 240\*240\*240 mm box whose orientation will varying in 6 axes. The operator can easily control the robotic arm remotely with its hand moving and placing the cubic within 40s.

桌子上摆放着黑色的机器

低可信度描述已自动生成

Fig. 3 The real box for testing.

图示

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Fig. 4 The dimension of box.