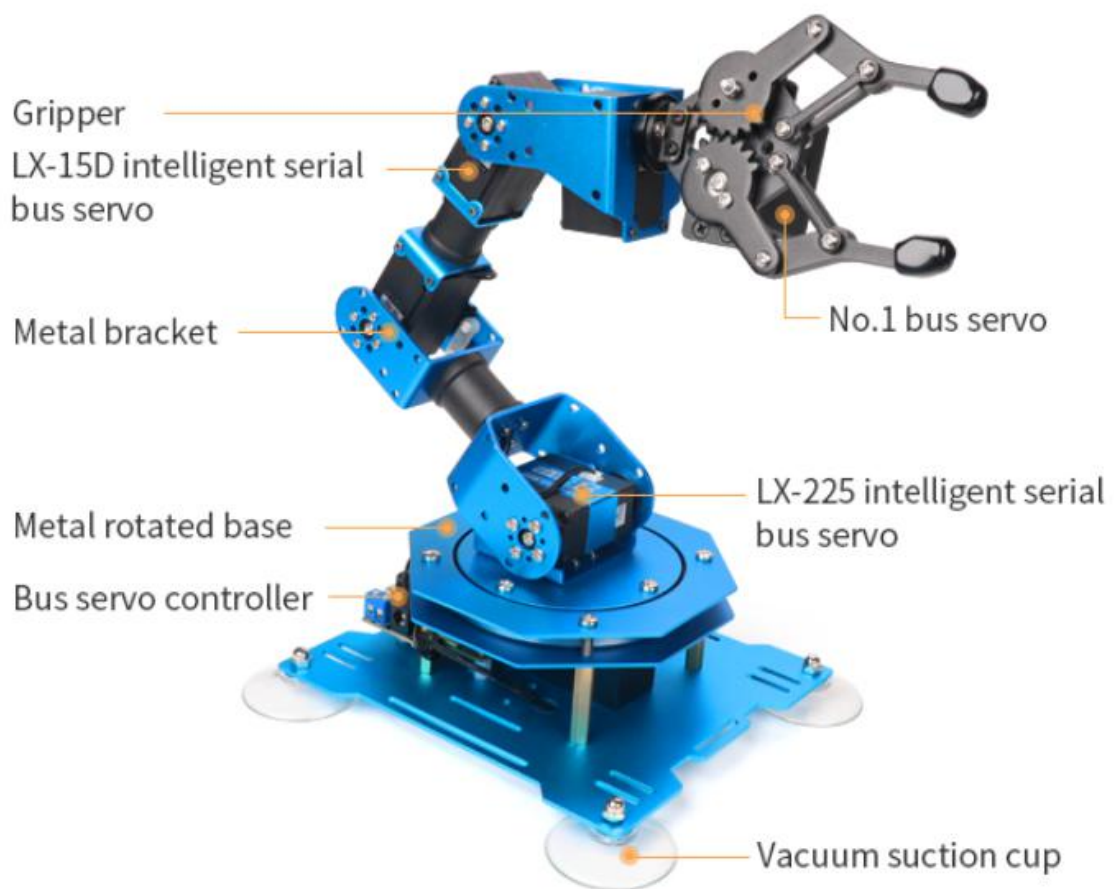# Lesson 1 xArm 1S Robotic Arm

1. Introduction

xArm 1S 6DOF robotic arm for your desktop, which has the functions of

gripping, sorting and so on. In addition, xArm 1S uses intelligent bus servos

which have equipped with position feedback, voltage feedback functions for

powerful and long service life.

xArm 1S supports wireless handle control, smart phone APP and mouse

control. Detailed and abundant tutorial will be provided. You can program the

actions with APP or PC software for creating more brilliant games.

2. Tutorial Learning Steps

Step 1: xArm 1S Overview

There are six lessons in the chapter 1 which includes introduction, assembly, debugging and action group download. If you purchase the assembled xArm 1S, please visit Lesson 1 and Lesson 6.

Step 2: Remote Control Learning

Wireless handle controller, mobile APP and mouse control are introduced in the folder 2 Remote Control Learning.

Step 3: PC Software and APP Learning

With the learning in this chapter, you will have a knowledge of PC software and how to program actions. Your programmed actions can be operated with the APP or perform under the offline running mode.

Step 4: Manual & Mobile APP Programming

How to program your own action groups through Manual button programming and smart phone APP will be showed in details in folder of "Manual &Mobile APP Programming".

3. Packing List

xArm 1S Packing List (Unassembled)

Robotic arm brackets (with servo horns)	1set	Bus servo controller	1pcs
7.5V 6A DC power adapter	1pcs	LX-15D intelligent serial bus servo	4pcs
PS2 handle control	1pcs	No.1 bus servo	1pcs
Handle control receiver	1pcs	LX-225 intelligent serial bus servo	1pcs
USB cable	1pcs	Screwdriver	1pcs