AIR12SC-700



高速、高刚性
大惯量
提供防滴防尘版本
提供吊装版本

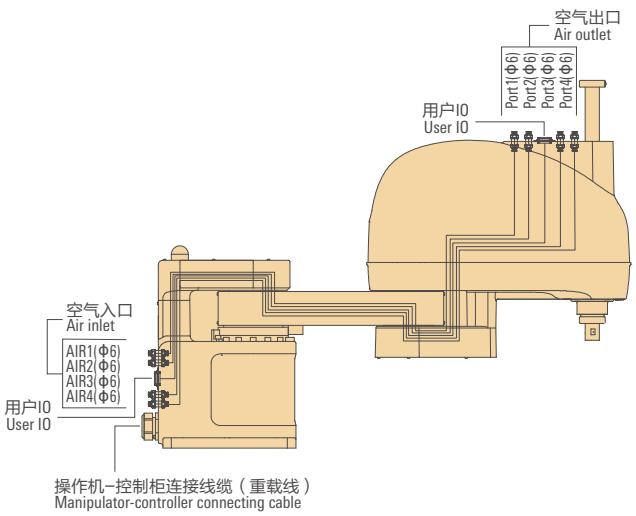
High speed，high rigidity
High inertia
Drip-proof and Dust-proof version
Ceiling-Mount version

- 高速、高刚性，出色的加减速度，保证更高效更稳定的运行。
  High speed, high rigidity, excellent acceleration and deceleration to ensure more efficient and stable operation.
- 更大惯量，适合大尺寸、大偏心的负载进行高速搬运。
  Larger inertia, suitable for high-speed handling of large-sized, large-eccentric payload.
- 内部中空走线设计，无外部波纹管，最大程度减少对外部空间的干涉。
  Internal hollow wiring design, minimizing interference with external space.
- 提供防滴防尘版本，适合在潮湿、灰尘和油雾等恶劣条件下运行。
  Optional Drip-proof and Dust-proof version, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- 提供吊装版本，有效利用空间。
  Optional Ceiling-Mount version, effective use of space.

细分版本 Variant

正装 Floor-Mount	吊装 Ceiling-Mount
AIR12SC-700Z20	AIR12SC-700Z20-OH
AIR12SC-700Z30	AIR12SC-700Z30-OH
AIR12SC-700Z40	AIR12SC-700Z40-OH
AIR12SC-700Z60	AIR12SC-700Z60-OH

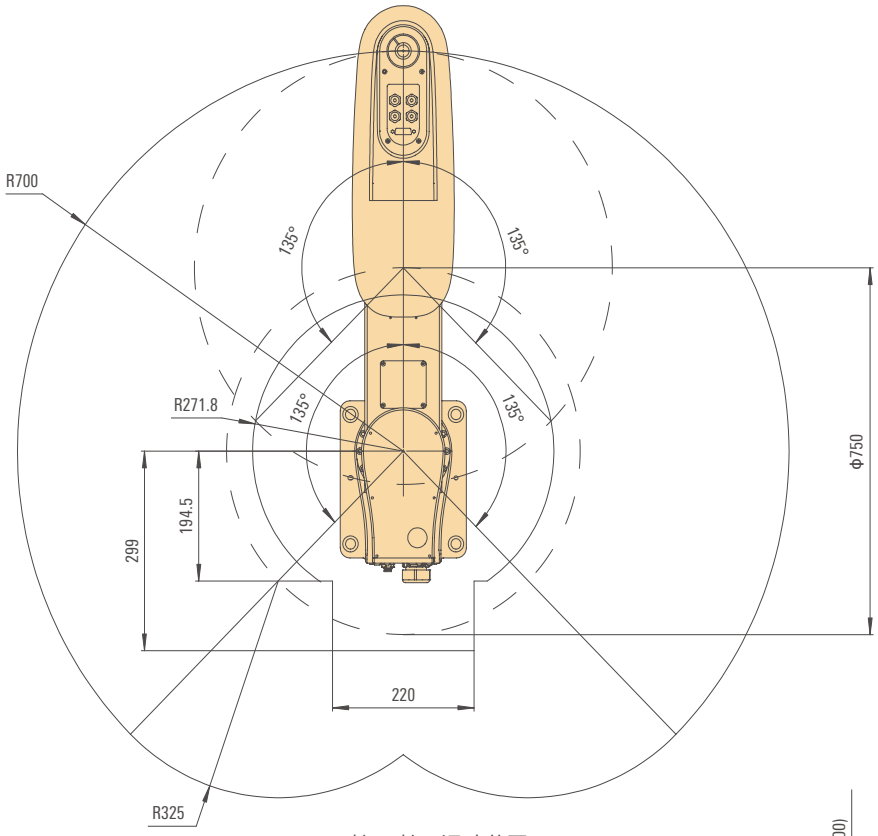
机体内配线 • 配管 Integrated dressing



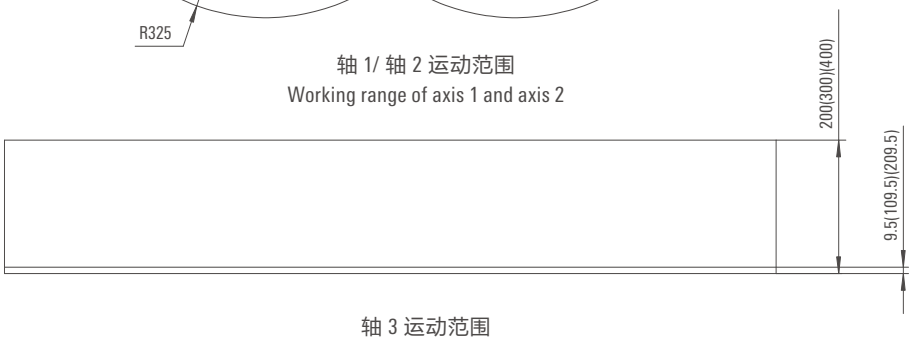
型号 Type		AIR12SC-700
轴数 Axes		4
负载 Payload	额定 Rated payload	6kg
	最大 Max. payload	12kg
轴 4 允许装载的惯量 Allowable moment of inertia of J4	额定 Rated inertia	0.05kg·m²
	最大 Max. inertia	0.45kg·m²
机器人本体 Manipulator	重量 Weight	45kg
	最大运动范围 Reach	700mm
重复定位精度 Position repeatability	轴 1+ 轴 2 Axis 1+Axis 2	±0.02mm
	轴 3 Axis 3	±0.01mm
	轴 4 Axis 4	±0.01°
IP 等级 Ingress Protection		IP30/IP54
安装方式 Mounting		地装 / 吊装 Floor/ceiling
运动范围 Working range	轴 1 Axis 1	-135°/+135°
	轴 2 Axis 2	-135°/+135°
	轴 3 Axis 3	200/300/400/600 mm
	轴 4 Axis 4	-360°/+360°
运动速度 Rotation rate	轴 x+ 轴 y Axis x+Axis y	8600mm/s
	轴 3 Axis 3	1666mm/s
	轴 4 Axis 4	1600°/s
小臂接口 Small arm interface	电气接口 Electrical interface	20 路 IO
	气路接口 Air plug interface	4 路 Φ6
适用控制柜 Controllers		inCube2S-20
安装条件 Mounting conditions	环境温度：0~40℃ Ambient temperature: 0~40℃ 湿度：恒温下 85% 以内，无凝露。 Humidity: not more than 85% at constant temperature without condensation. 允许高度：海拔 1000m 以下。 Allowable altitude: not more than 1000m above sea level. 不应有腐蚀性、可燃性、易爆性气体。 No corrosive, flammable or explosive gases.	

* 若 AIR12SC-600 采用吊装，J2 轴运动范围是 -130° /+130°。
If the AIR12SC-600 is ceiling, the J2 axis range of motion is -130° /+130°.

运动范围 Working range



轴 1/ 轴 2 运动范围
Working range of axis 1 and axis 2



轴 3 运动范围
Working range of axis 3

外形尺寸、夹具及底座安装图 Overall dimensions, fixture and base installation drawing

