

# Stamping Robot Arm

## Stamping robot technical parameters

Index	Parameter		
Model	QF-5045-S3-3( III Gen)	QF-120300-S5-10( V Gen)	QF-120300-S5-20( V Gen)
Crawl Weight/ Holding Power (kg)	≤3kg	≤10kg	≤20kg
Power supply voltage (V)	150 to 270	150 to 270	150 to 270
Power frequency (Hz)	50/60	50/60	50/60
Installed power (KW)	3.5	5	5
Average power consumption (KW)	0.5	1	1
Working temperature (°C)	0 ~ 35	0 ~ 35	0 ~ 35
Relative humidity (%)	55-95	55-95	55-95
Arm swing angle (°)	270	270	270
Telescopic arm up and down stroke (mm)	0 to 340	0-340	0-800
Arm back and forth stretching stroke (mm)	1200 to 1650	1200 to 2500	1200 to 2900
Arm flip angle (°)	± 180	± 180	± 180
Extract chuck rotation angle (°)	± 180	± 180	± 180
Rail travel (about / around) (mm)	/	/	/
Productivity (PCS / H)	800 to 1000 (about 15 beats / min)	300 to 600 (about 10 beats / min)	300 to 600 (about 10 beats / min)
Feeding accuracy (mm)	± 0.2	± 0.2	± 0.2
The maximum working radius (mm)	1650	2500	2900
Dimensions (L * W * H) (mm) (H variable)	920 * 600 * 1750	1200 * 1200 * 3000	1200 * 1200 * 3000
Body weight (kg)	≈200	≈400	≈1500



## CORE ELEMENT



## Our current customers :



With the popularization and development of the sheet metal stamping process, stamping industry become a Bigger And Bigger. However, a lower level of automation stamping industry, most companies still using manual plus semi-automatic mode of operation, not only low productivity, and accidents are frequently happen . Throughout the factors currently affecting the level of press automation, mainly caused by the technical limitations, mainly in "Pick , Place, continue flow" three links.

- 1) material is difficult to Pick and Hold: complex workpiece, extreme weight (too small or too large), inclined extraction, conventional robots is difficult to adapt.
- 2) Place or discharge difficult: flip, Remove waste (before Place / discharge), pendant or diagonal, stripping, stacking and other process requirements more and more refined, Man Power difficult to cope with, traditional robot difficult to handle too.
- 3) production Connection difficulty: conversion and technological transformation process, can not be upgraded, it is difficult to achieve highly automated stamping. Qin Feng, founder of the robot with more than 20 years of technical and management experience crystallization of sheet metal stamping, die automation, machinery manufacturing, marketing and other services in, from the customer's point of view to reduce costs, increase efficiency reduction starting from 2006 that is focus on industry blank stamping robot arm developed, after seven years of effort, have successfully invented I generation, II generation of Five axis robot intelligent stamping. Brands:

Qin Feng stamping robot, is the world's only set of stamping robot invention, the real new look, a soft, PCT patent in one product. Professional solutions press automation process of "pick , Place, Continue Flow" problem.



We also help Customer custom-make ejector pins, core pins, sprue bushings, gate bushings, test probes needles, die-ejector pins and other products for some of the world's leading of wafer processes, automotive, aerospace and medical industries.

Our manufacturing precision will tailor to your specification in term of angle, length, radius, diameter & material type using our most up-to-date facilities such as CNC lathes, **CNC Cylindrical grinders**, Centerless Grinder, special forming grinding lathes and NC EDM Machines. These facilities enable us to meet micron tolerances and thus satisfy a wide range of customer needs.

Material can be carbide, ceramics and steel. We have many different well know brand carbide materials which are imported from Japan and European countries. Normal grinding surface roughness Ra0.02, control **Tolerances 0.002 ~ 0.005 mm**. Our capability to meet customers expected timeline is the core of our company upmost value with quality and consistency in delivery at all time. Providing High Quality Precision Products to Semiconductor ,Dies & Mold , Automotive and Medical Industries.

