

A new generation of exquisitely efficient Intelligent four head patch machine

◎ **11000** Pcs/h
speed

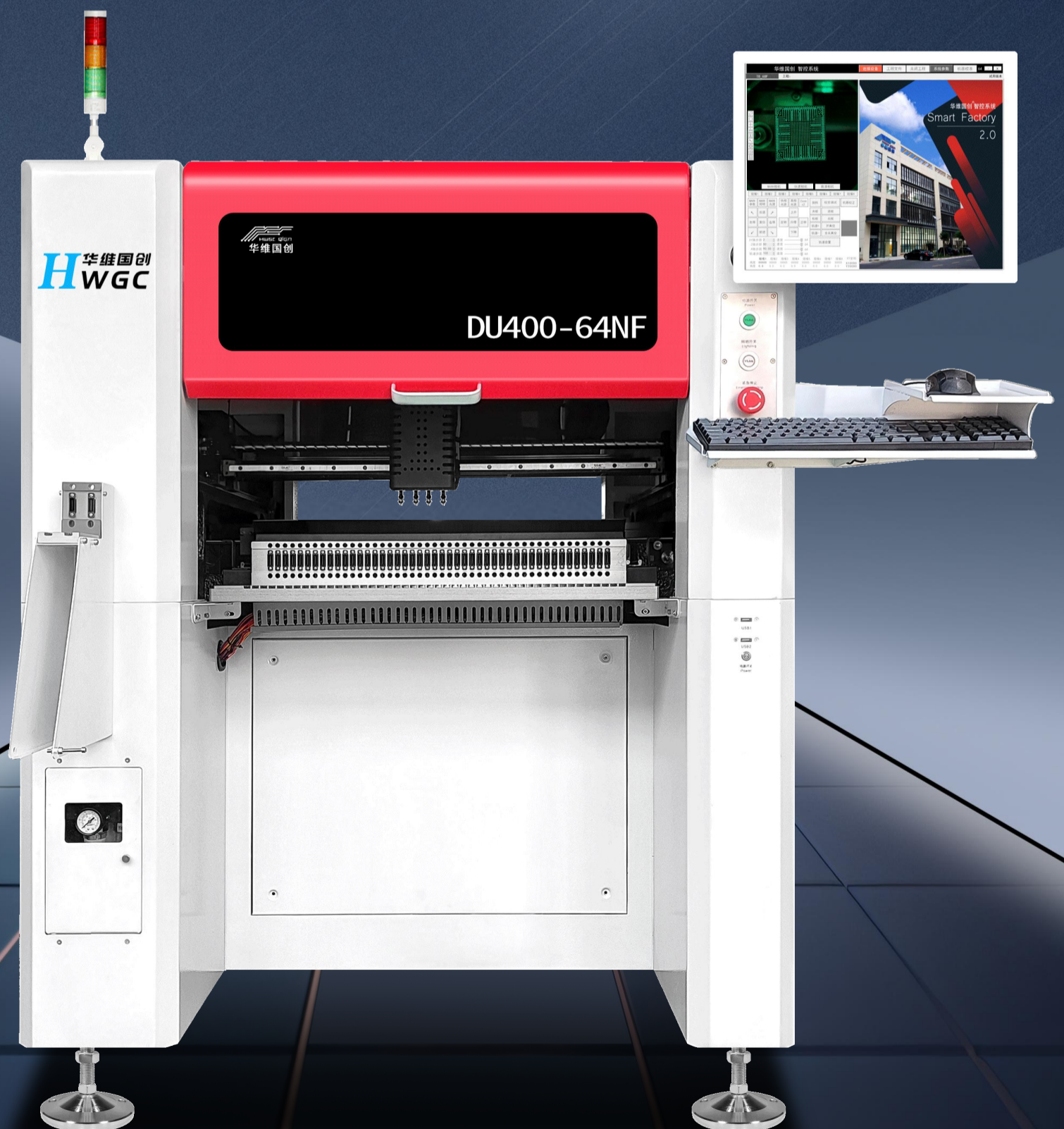
◎ **≤0.01** mm
positioning accurac

◎ **64** position
number of feeders

◎ **>24** H
continuous working time



Multi-directional to meet your different scene needs



Enable developers to focus on research and development, and enable producers to easily carry out production

Product features

Intelligent software

System highly intelligent algorithm one-click optimization,Combining multiple optimization algorithms,The system intelligently allocates complex and massive placement layouts,Easy to learn, easy to use,Programming takes only 5 minutes to greatly reduce the novice entry time.

Precision drive

Equipped with high-definition camera and powerful visual algorithm for accurate recognition,High precision AC servo motor,With high precision screw,The accuracy of the patch can reach $\pm 0.05\text{mm}$.

Efficient mounting

Three-stage entry plate,Built in component library,Path optimization,Centralized material collection,Majority first.

Structural Science

The whole machine adopts integrated cast iron structure, stable operation, significant noise reduction, stable and reliable performance, supporting 24h non-stop operation in continuous working state, the rate of mounting finished product can reach 99.7%, greatly reducing your loss cost.

Fast and convenient

Automatically assign the nozzle sequence,Automatically obtain suction coordinates,Automatically optimize the placement path,Rapid replacement engineering,

Technical Parameter

HW-DU400-64NF

Number of mounting heads	Four sets of high precision mounting heads	Control the host	Intel high performance processor control host
Number of IC disk	48个	Orbital regulation	Manual / electric automatic regulation
Quantity of feeder	64位 (以8mm飞达为准)	Vacuum buffer	4.5mm
Patch accuracy	$\pm 0.05\text{mm}$	Component Angle Support	$\pm 180^\circ$
positioning accuracy	$\pm 0.01\text{mm}$	Maximum trip on the Z axis	50mm
Patch speed	8000-11000pcs/h	Driving system	High-speed DSP drive, an AC servo motor
Patch Scope	beads, diode, triode, SOT, 30 * 30mm, pin spacing greater than 0.3mm GFP, BGA, etc., acceptable visual customization of alien components	Types of feeder	Electric feeder, vibration feeder, IC tray, etcApplicable to the NXT series feeder
Patch area	50*50mm-550*360mm	Gas source requirements	Oil-water separation device requires no less than 60L external, dust filtration and pressure stabilization device
Available element height	$\leq 20\text{mm}$	Vacuum source	pickup pump
Identify equipment	One Mark camera, four high-speed recognition cameras, and one high-precision camera	Vacuum mechanism	High-speed vacuum failure valve
RM	4 heads simultaneously identify, and simultaneously take the material	Bleed pressure	0.4-0.5mp
Transmission mode	Default from left to right board, support both sides of the connection function, three-step board	operating system	Based on the windows system, we independently developed the intelligent operating system
Mark point identification	Manual / fully automatic positioning	Indicator	17-inch industrial control display
Motor system	Huawei Guochuang operation control system	PCB requirements	A 3-5mm process edge is required in the automatic mode
Programming method	Import the coordinate file, one-key automatic programming, the optimal path planning	cable	High wear-resistant tank chain and flexible cable
XY maximum stroke	640mm*680mm	Power	AC 220V 50/60Hz 600W
XY drives the track	Linear guide rail + grinding wire rod	outline dimension	L1160*W1340*H1450mm
XY motor pattern	Intelligent curve acceleration and deceleration linear linkage, with straight line insertion algorithm	Weight	690kg