

## Suction cup universal series



### WDA-X SERIES

- Feeding method: suction cup
- Panel requirement: flat and smooth surface, no holes, no punching
- Axis qty: 9-11 axes (optional power hinge knife)
- Advantages: fast speed, high efficiency, wide application

Model	Bending measurement Max. (mm)	Bending measurement Min. (mm)	Bending Height (mm)	Motor power (kW)	Average power (kW)	Machine size (cm)	Weight (t)	Bending thickness Max. (mm)			Min. Panel thickness (mm)	Axis qty
								304 stainless steel	mild steel	aluminum		
WDA-1000XC	1000*1000	140*210	170	25	1.1	283*157*280	7	1.0	1.2	1.6	0.35	11
WDA-1400XC	1400*1400	140*210	170	36	1.5	370*190*290	10	1.0	1.2	1.6	0.35	11

## Pressing arm universal series

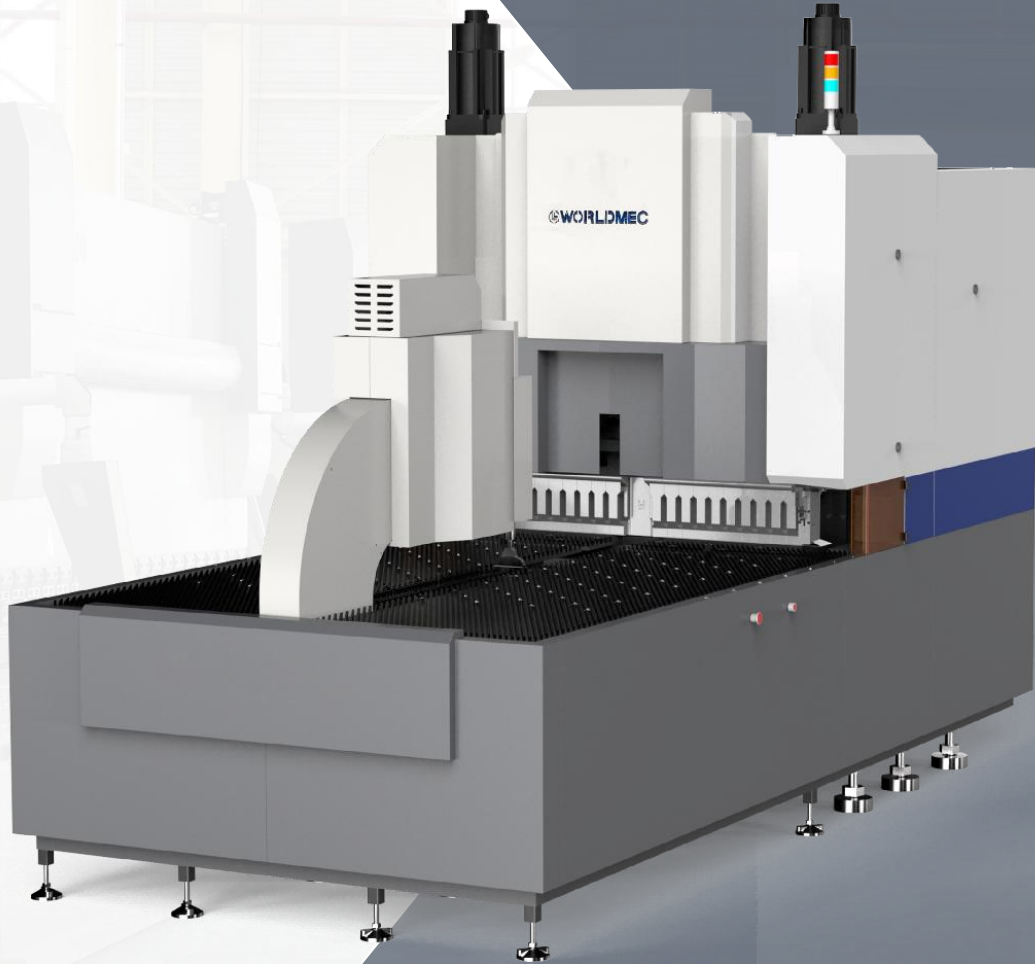


### WDA-PC SERIES

- Feeding method: pressing arm
- Panel requirement: mesh, corrugated, hollow, flat or special-shaped
- Advantages: Standard power hinge knife, avoid scooping plate or scratches
- Optional customization: C-axis lifting or assistant tooling

Model	Bending measurement Max. (mm)	Bending measurement Min. (mm)	Bending Height (mm)	Motor power (kW)	Average power (kW)	Machine size (cm)	Weight (t)	Bending thickness Max. (mm)			Min. Panel thickness (mm)	Axis qty
								304 stainless steel	mild steel	aluminum		
WDA-1400PC	1400*1400	140*190	170	40	1.9	440*190*290	11.5	1.5	2.0	3.0	0.35	15
WDA-2000PC	2000*1500	140*190	170	72	2.6	515*265*316	20	1.5	2.0	3.0	0.35	15
WDA-2500PC	2500*1500	140*190	170	72	2.9	574*302*315	22.5	1.5	2.0	3.0	0.35	15

## Pressing arm universal series



### WDA-PA SERIES

- Feeding method: pressing arm
- Panel requirement: mesh, corrugated, hollow, flat or special-shaped
- Advantages: Standard power hinge knife, avoid scooping plate or scratches
- Optional customization: C-axis lifting or assistant tooling

Model	Bending measurement Max. (mm)	Bending measurement Min. (mm)	Bending Height (mm)	Motor power (kW)	Average power (kW)	Machine size (cm)	Weight (t)	Max.Bending thickness(mm)		Min.Panel thickness (mm)	Axis qty
								304 stainless steel	mild steel		
WDA-1400PA	1400*1400	140*190	170	40	1.9	446*190*290	12.8	2.0	3.0	0.35	15
WDA-2000PA	2000*1500	140*190	170	72	2.6	524*264*340	22	2.0	3.0	0.35	15
WDA-2500PA	2500*1500	140*190	170	72	2.9	574*302*324	25	2.0	3.0	0.35	15
WDA-2500PAS	2500*1500	140*190	170	148	5.8	629*302*345	25.5	2.0	3.0	0.35	18
WDA-3200PAS	3200*1500	140*190	170	103	3.2	645*375*335	30	1.5	2.0	0.35	18

## Automatic tooling change series



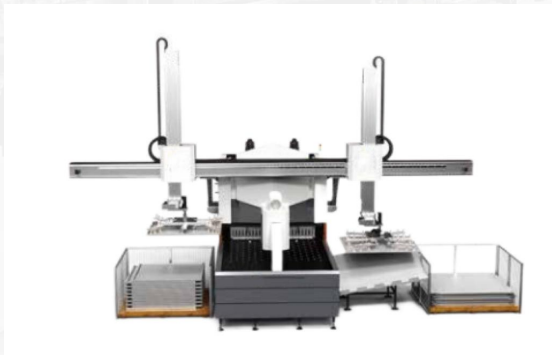
### WDA-A SERIES

- Tooling change method: exclusive patented automatic tooling change algorithm
- Standard: partial bending workmanship with

Model	Bending measurement Max. (mm)	Bending measurement Min. (mm)	Bending Height (mm)	Motor power (kW)	Average power (kW)	Machine size (cm)	Weight (t)	Bending thickness ax. (mm)			Min. Panel thickness (mm)	Axis qty
								304 stainless steel	mild steel	aluminum		
WDA-2000A	2000*1500	140*190	170	82	2.9	515*330*345	22	1.5	2.0	3.0	0.35	21
WDA-2500A	2500*1500	140*190	170	82	3.0	549*427*344	25	1.5	2.0	3.0	0.35	21

## AUTOMATIC SOLUTIONS

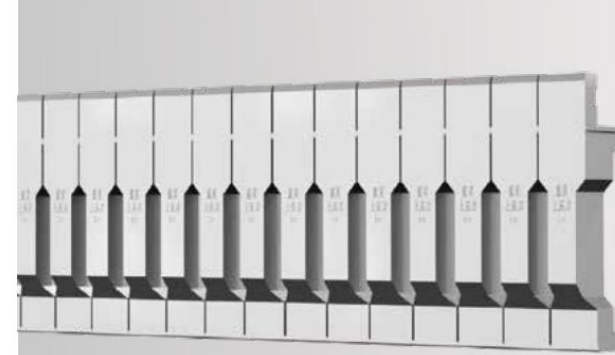
### AUTOMATIC LOADING/UNLOADING





### High-grade casting lathe bed

- Worldmec panel bender adopts high grade QT500-7 and gray iron 250 castings
- Ensure stability under high tonnage impact, better accuracy and longer service life



### Patented tooling

- Overall heat treatment plus ultra-cryogenic processing make tooling with higher rigidity and more wear-resisting
- Imported Fanuc slow-wire processing technology for higher consistency, with tooling accuracy up to  $\mu\text{m}$  level

### Servo system

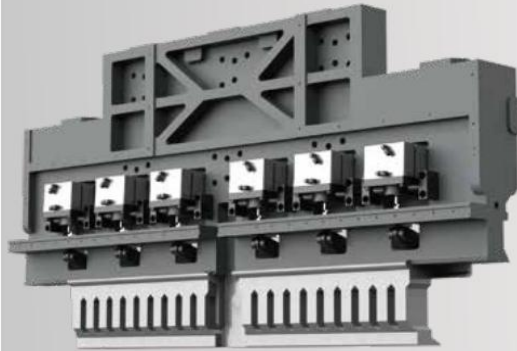
- Joint R&D of full closed-loop servo
- Deep integration and matching with Lanhao multi-axis concurrent linkage intelligent numerical control system



### Power Hinge Tooling

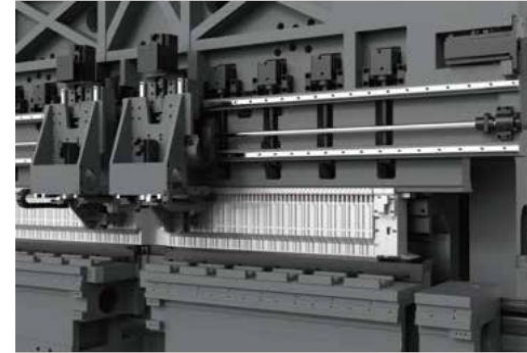
- Exclusive patented powered hinge knife technology, controlled through full electric servo for the expansion and retraction of the hinge knife
- Power hinge knife precisely open with no lateral scraping force, ensuring accuracy, avoiding material shaving, and preventing scratches





### Pneumatic Pressing Tooling (PA Series)

- Exclusive patented pneumatic pressing tooling technology, could bend thicker sheet metal, with a maximum thickness of up to 3mm for mild steel
- The disassembly and change of the pneumatic tooling are more flexible and convenient

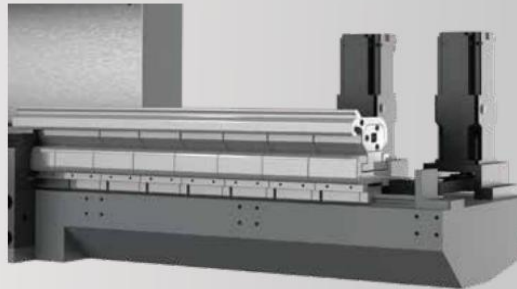


### Automatic Tooling Change (A Series)

- Exclusive patented automatic tooling change algorithm  
Partial bending workmanship with assistant tooling
- Satisfy small batch/varied types metal sheet production

### Assistant Tooling (Optional)

- Assistant tooling can achieve partial bending of workpieces. Upper and lower assistant tooling can be customized according to processing requirements
- More flexible and convenient, offers higher efficiency, and has a wider range of applications



### C-axis lift (Optional)

- C-axis lifting, when last bending is downward, easier feed out work piece
- It has a broader range of applications and is compatible with more types of processing workmanship





# WORLDMEC

www.worldmecnc.com

## MAIN COMPONENT BRAND

Name	Factory brand	Description
Operation environmen	Worldmec Intelligent	Win7 or above operation system/LINUX
Numerical control system	Worldmec Intelligent	PC-BASE self developed multi axes concurrent linkage, standard full servo numerical control system which support 128 axis. Single control board can support up to 32 axis concurrent linkage, which can achieve unlimited cascading
Servo motor	Join R&D	Jointly developed fully closed-loop system with single power of up to 22KW, which is perfectly matched with Lanhao control system.
Bearing	NACHI	Japan NACHI original high-load ball screw injection molding machine special bearings, bearing ball diameter up to 16mm, 12 bearings per shaft.
Screw	Nanjing Gongyi	8020 heavy type grinding grade screw supplied by Nanjing Gongyi( top level domestic screw manufacturer)
Line rail	Nanjing Gongyi	Nanjing Gongyi heavy-duty high-precision P3 class 55 roller type rail
Lathe bed	Worldmec Intelligent	Worldmec self developed high-grade casting machine body, using high-grade QT500-7 and gray iron 250 castings
Tooling	Worldmec Intelligent	Worldmec patented tooling
Suction cup	AIRBEST	Imported oil-proof material
Pneumatic accessories	Japan SMC/Taiwan AirTAC	Japanese/Taiwanese brands
Low-voltage electrical components	Schneider	French Brand
Reducer	Joint R&D	High-precision helical tooth planetary reducer
Cupling	TECMEN	Sino-German joint venture brand
Oil system	Taiwan Yuxiang	Taiwan brand



\*Based on customer requirements, the specific machine configuration may vary slightly; please refer to the actual configuration.