

RELIABILITY | ACCURACY | EFFICIENCY

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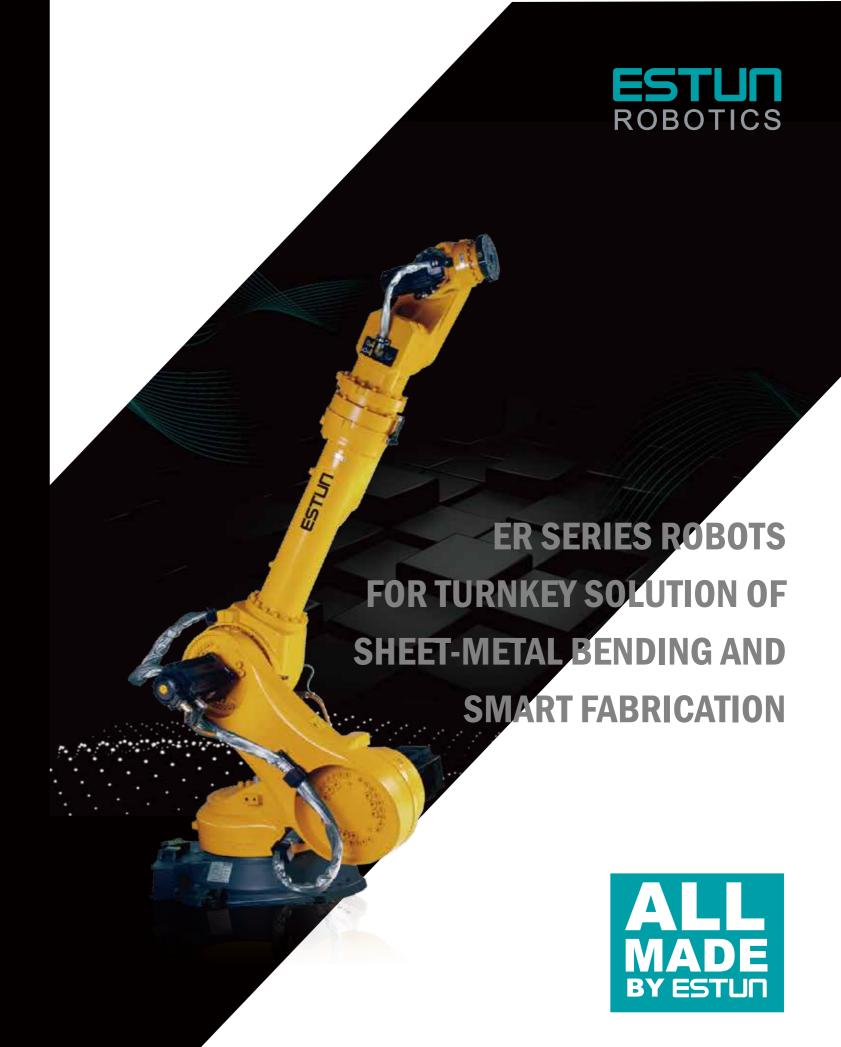
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Home



ESTUN

ER SERIESINDUSTRIAL ROBOTS

Nanjing ESTUN Automation Company is the pioneer of high-end core function parts of smart equipment manufacturer as well as industrial robot and smart manufacturing system provider. ESTUN takes its advantages of self-developed techniques and core function parts to transform into a leading enterprise of domestic robot industry. ESTUN earns competitive position in international industrial marketplace by its excellent R&D team and farsighted management group.

With its unique advantages of self-developed techniques and core function parts, ESTUN sets the key goal to scale the production of industrial robot. ESTUN is making great efforts to seize the once-in-a-generation opportunity of new industrial revolution and robotics industry, to sustain great responsibility of national robot industry development, to gain a place in the international robot field, and dedicated to become a powerful practician of Made in China Dream.

ESTUN covers a total production line from core function parts to system integration with its whole series industrial robots, including 6-axis versatile robot, 4-axis palletizing robot, SCARA robot and DELTA robot. ESTUN robot covers the payload range from 4kg to 450kg and the applications including welding, handling and palletizing, load and unload, polishing, painting and assembly. You are welcome to consult, visit, and cooperate at any time, for all series robots including customized ones.





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ER20-1780 ER30-1900 ER80-2565-BD ER130-2865-BD ER220-2605

Max. load capacity 20 80 Reach 1900mm

Repeatability ±0.1mm

Repeatability ±0.2mm

Repeatability ±0.2mm

Repeatability ±0.2mm

ER80-2565-BD ER130-2865-BD ER220-2605

Reach 2865-BD ER220-2605

Reach 2865-BD ER220-2605

Reach 2865-BD ER220-2605

k k	9 Weight 245	Installation Ground	IP54	kg Weigh	Installation Ground	IP54	kg Weight	Installation Ground	IP54	kg Weight 950	Installation Ground	IP54	1400	Installation Ground	IP54

3	1 ±180°	1 ±180°	1 ±180°	1 ±180°	1 ±180°		
5	2 -95° ~ +160°	60° ~ +140°	67° ~ +150°	2 -70° ~ +90°	53° ~ +78°		
	3 -170° ~ +80°	3 -165° ~ +80°	3 -190° ~ +66°	3 -200° ~ +68°	3 -193° ~ +78°		
U	4 ±180°	±360°	4 ±170°	4 ±200°	4 ±360°		
T C N	5 ±140°	5 ±130°	5 ±130°	5 ±125°	5 ±118°		
T)	±360°		±360°	±360°	±360°		
	185°/s	143°/s	110°/s	112°/s	114°/s		
S	2 185°/s	2 131°/s	2 105°/s	2 106°/s	2 105°/s		
X SPEED	3 190°/s	3 144°/s	3 130°/s	3 106°/s	3 109°/s		
	∠µ 355°/s	∠ _↓ 247°/s	4 215°/s	4 180°/s	4 190°/s		
	5 360°/s	5 316°/s	5 160°/s	5 175°/s	5 125°/s		
	6 585°/s	287°/s	205°/s	6 188°/s	6 273°/s		

Solutions

BENDING ROBOT

As an expert in sheet-metal process area, ESTUN develops bending software package Smart Robot Bending and provides a whole solution of bending workstation, sheet-metal flexible production line, sheet-metal smart factory, etc., with ESTUN's ER series robot and MES system.

ER20/ER30 Small-sized Sheet-metal Process Solution





Compact flexible bending unit provides high cost-effective solution for smart process of small-sized work piece.

Suitable Dimension:

- Size: ≤1000mmx800mm
- Weight: ≤8Kg

ER80 Medium-sized Sheet-metal Process Solution







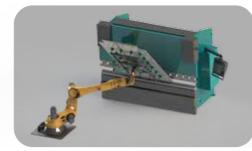
Suitable Dimension:

- Size: ≤2500mmx1250mm
- Weight: ≤40Kg

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ER130 Large-sized Sheet Metal Process Solution



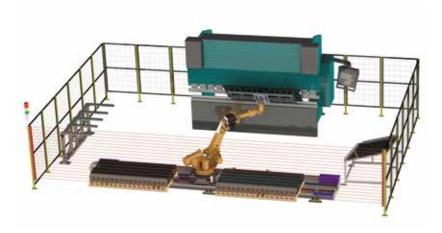


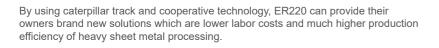
Suitable Dimension:

- Size: ≤3000mmx1500mm
- Weight: <70Kg

A specially designed bending robot is perfectly suitable for large-sized work piece, process.

ER220 Heavy Sheet-metal Process Solution





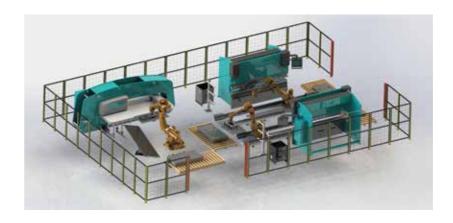


Suitable Dimension:

- Size: ≤5000mm
- Weight: <120Kg

Units

Punching&Bending Smart Process Unit



automatic robot bending unit with utmost flexibility and intelligence, greatly save work labor and improve product quality.



Configuration

- Turret Punch + Robot Bending
- Laser + Robot Bending
- Turret Punch + Laser + Robot Bending

Flexible Production Line

Flexible Sheet-metal Smart Production Line



Sheet-metal smart production line adopts robot instead work labor.



Configuration

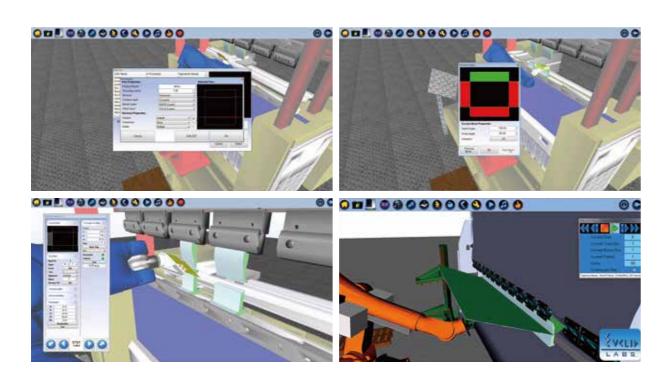
MES+turret punch(or laser)+robot
 bending+spot welding+robot TIG+production line board+robot painting

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ESTUN Autolist Bending Off-line Programming Software

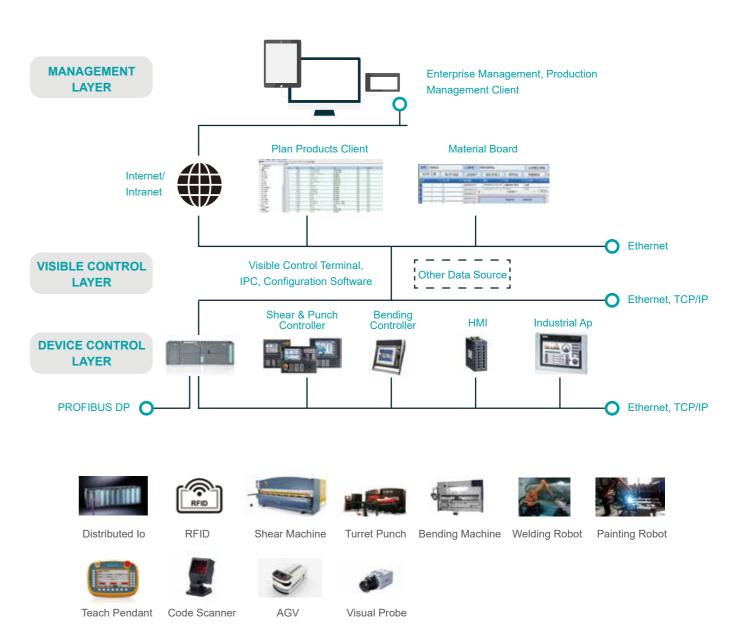
ESTUN offline bending programming software allows direct import of drawing and automatically convert it to robot bending program without teaching manually, which greatly reduces programming time. The software can match with different types of work piece.





ESTUN Manufacture System

- PDM, ERP provide product process and order information to MES. MES sends introductions and feedback.
- Movable management client terminal based on public and private cloud platform decreases permanent assets investment and increases management efficiency.
- Use trepanning and APS to increase the use ratio of raw material and efficiency of equipment, while maintain precision.
- MES can send drawings and NC programs to the controller automatically, thus improve the production rhythm.
- Ethernet and PROFIBUS ensure the interconnection of all equipment, the real-time data acquisition and tracking of process.
- Combined robot with AGV uncoiler, palletizing and handling decrease the use of work labor and increase the safety and efficiency.



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Sheet-metal Smart Factory& MES Whole Solution

Turnkey Project

Automation equipment and core function parts

- Industrial robot, plc
- Machine tool controller such as siemens, delem, etc.
- Integrated station and production line

MES system and hardware equipment

- Mes system with intellectual property
- Professional r&d team.
- System architecture for multiple fields
- Industrial pc, pda, code scanner gun, rfid

Project and technical support

- Overall plan and distributed implement
- Professional team and implementation method.
- National coverage service network
- Good reputation with 100% availability.

MES Whole Solution

Planning

·drawings, SOP, NC
·BOM, process routine.
·customized planning,
pre-planning
·paperless order
·custom order feedback
·plan board

Quality Management

·quality plan
·quality mission
·defect and cause
management
·SPC procedure control
·quality board



Production Execution

. process inter-locking
.shop floor logistics and material
management
.automatic counting output of
product and working hours
.Tracking and trace
.productivity Kanban

Data Acquisition

·machine tool controller ·product process ·5 production key elements ·bar-code, RFID ·board, report form ·data analysis

Applications



Communication Cabinet

504015

Metal Furniture



Switch Box



Medical Equipment



Spinning Equipment



Electrical Cabinet



High-voltage Electrical Cabinet



Elevator Door



New Energy Vehicles

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