

Ningbo Shuntai Automation Co.,Ltd

宁波顺泰自动化有限公司

Precision Driven · Leading the Smart Future

01

Precision Stamping
Equipment

02

Radial Riveting
Equipment

03

Intelligent Automation
Equipment

Precision Driven • Leading the Smart Future

In the field of precision manufacturing, superior riveting craftsmanship is paramount. Ningbo Shuntai Automation, a National High-Tech Enterprise and ISO-certified company, has been a pioneer in automation solutions since 2005.

We are deeply rooted in servo riveting technology, holding over 30 patents. Our flagship product—the Servo Riveting Machine—leads the industry with exceptional precision and stability. By utilizing proprietary algorithms, our equipment achieves real-time tracking, adaptive calibration, multi-mode control, and integrated detection, ensuring consistent high quality.

Our equipment is widely applied in the aerospace, semiconductor, and automotive sectors. We export to over 40 countries and have earned the trust of industry giants such as Boeing and Shimano. We provide comprehensive quality assurance from design to final delivery.

Shuntai is not just a supplier; we are your innovation partner, driving the future of smart manufacturing together.

Core Advantages

- **National High-Tech Enterprise:** Focused on R&D since 2005.
- **Industry-Leading Technology:** Owner of 30+ technical patents.
- **Intelligent Algorithms:** Featuring Real-time Tracking & Adaptive Calibration.
- **Global Trust:** Serving industry leaders like Boeing and Shimano.

Certifications



ISO 9001



欧盟 CE



4th Generation Electric Stamping Machine



Specifications

Item	Unit	Model		
		ST-CDD4-1.5T	ST-CDD4-2.0T	ST-CDD4-3.0T
Nominal Force	KN	15	20	30
Slide Stroke	mm	7.5/10/30	7.5/10/30/40	7.5/10/30/40
Maximum Shut Height	mm	230	240	240
Column Spacing	mm	250	280	280
Tool Holder Bore Diameter	mm	Ø20	Ø20	Ø20
Table Dimensions	mm	350*320	360*420	360*420
Table Bore Diameter	mm	28	30	30
Motor Power	KW	0.55	1	1.5
Voltage	V	220	220	220
External Dimensions	mm	350*320*640	360*420*680	360*420*680
Machine Weight	kg	80	116	126

Product Features

- **Energy Efficient:** Zero standby power consumption.
- **Low Noise:** Optimized for quiet workshops.
- **Easy Maintenance:** Oil-free and eco-friendly.

Key Components

- Structure: Precision Mechanical Cam
- Motor: Full-time Torque Motor
- Guide Rail: Precision Silent Hard Rail
- Electrical: High-performance electrical components

* Note: Safety light curtains (photoelectric protection devices) and automatic feeding systems can be installed upon customer request.

Availability: Mass-produced models available in stock.

5th Generation Electric Stamping Machine



Product Features

- **Energy Efficient:** Zero standby power consumption.
- **Low Noise:** Optimized for quiet workshops.
- **Easy Maintenance:** Oil-free and eco-friendly.

Key Components

- **Structure:** Precision Mechanical Cam
- **Motor:** Full-time Torque Motor
- **Guide Rail:** Precision Silent Hard Rail
- **Control:** Integrated Microcomputer Controller

Specifications

Item	Unit	Model				
		ST-CDD5-1.5T	ST-CDD5-2.0T	ST-CDD5-3.0T	ST-CDD5-4.0T	ST-CDD5-5.0T
Nominal Force	KN	15	20	30	50	50
Slide Stroke	SPM	40mm	50mm	50mm	50mm	50mm
Max. Shut Height	mm	230	240	240	250	260
Column Spacing	mm	250	280	280	300	320
Throat Depth *	mm	100	105	105	110	112
Tool Holder Bore Diameter	mm	Ø25	Ø25	Ø25	Ø25	Ø25
Table Dimensions	mm	350*200	420*280	420*280	420*280	500*338
Table Bore Diameter	mm	28	30	30	30	45
Motor Power	KW	0.75	1.1	1.8	3.0	3.8-4.0
Voltage	V	220	220	220	220	380
External Dimensions	mm	350*320*700	380*420*750	380*420*800	420*420*980	500*500*980
Machine Weight	KG	90	135	180	210	220
Remarks		Foot Pedal Operation (Customizable)	Foot Pedal Operation (Customizable)	Foot Pedal Operation (Customizable)	Foot Pedal Operation (Customizable)	Foot Pedal Operation (Customizable)

* Note: Safety light curtains (photoelectric protection devices) and automatic feeding system can be installed upon customer request.

Availability: Mass-produced models available in stock.

Pneumatic Press Machine



Product Features

- **Precision Force:** Ideal for light assembly.
- **Clean Operation:** Oil-free, no hydraulic fluid.
- **Fast Response:** High-speed pneumatic actuation.

Key Components

- Cylinder: AirTAC / SMC
- Valve: AirTAC / SMC
- Frame: Integrated cut high-rigidity structural steel
- Safety: Ergonomic control box / Safety Light Curtain

Specifications

Item	Unit	Model				
		ST-CQD-80	ST-CQD-100	ST-CQD-125	ST-CQD-160	ST-CQD-200
Pressure Range	KN	2.8	4.4	7.5	12	20
Stroke	mm	50-200	50-200	50-200	50-200	50-200
Riveting Time	S	0.1~9.9	0.1~9.9	0.1~9.9	0.1~9.9	0.1~9.9
Strokes Per Minute	min-1	0.1~30	0.1~19	0.1~12	0.1~12	0.1~12
Max. Mold Height	mm	345	345	334	300	300
Min. Mold Height	mm	345-S	345-S	345-S	325-S	325-S
Throat Depth	mm	95	95	95	95	95
Working Pressure	Mpa	0.3~0.8	0.3~0.8	0.3~0.8	0.3~0.8	0.3~0.8
Operating Temperature	°C	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50
Worktable Dimensions	mm	240*200	240*200	240*200	240*200	240*200
Worktable Thickness	mm	30	30	30	30	30
Overall Dimensions	mm	500 * 550 * (920+S)	500 * 550 * (920+S)	500 * 550 * (920+S)	500 * 550 * (920+S)	500 * 550 * (920+S)
Weight	kg	60KG	65KG	70KG	80KG	100KG
Power Supply	V	220 50Hz	220 50Hz	220 50Hz	220 50Hz	220 50Hz
Input Pressure	Mpa	0.3~0.8	0.3~0.8	0.3~0.8	0.3~0.8	0.3~0.8
Packaging Dimensions	mm	570×620×1300	570×620×1350	570×620×1350	570×620×1400	570×620×1500
Gross Weight	kg	85	90	95	105	130

* Note: The air supply pressure should be maintained between 0.3 and 0.8 MPa.

Availability: In Stock. Customization Supported.

Intelligent Servo Press Machine



Specifications

Item	Unit	Model		
		ST-CSF-100	ST-CSF-300	ST-CSF-3000
Rated Voltage	v	AC220	AC220	AC220
Rated Power	kw	0.3	0.7	2.6
Electric Cylinder Stroke	mm	≤75	100	160
Electric Cylinder Effective Stroke	mm	≤70	≤95	≤150
Servo Rated Force	KN	1	3	30
Force Range	N	10-1000	10-3000	10-30000
Open Height	mm	230	150-220	385
Table Size	mm	180*140	320*185	400*265
Rapid Traverse Speed	mm/s	≤67	≤250	≤83
Pressing Speed	mm/s	≤25	≤30	≤30
Repeatability Accuracy	mm	0.01	0.01	0.01
Operating Ambient Temperature	°C	-10 ~ 60	-10 ~ 60	-10 ~ 60
Overall Dimensions (LxWxH)	mm	345*400*748	310*365*845	682*820*1420
Net Weight	kg	19	35	248

Product Features

- **High Precision:** Position ±0.01mm, Pressure ±1%.
- **Smart Monitor:** Real-time curve & OK/NG judgment.
- **Traceability:** MES support & permanent data storage.

Key Components

- Control: High-response PLC
- Drive: Precision Ball Screw
- Sensor: High-frequency Dynamic Sensor
- HMI: High-sensitivity Touch Screen

Availability: Mass-produced models available in stock.

Intelligent Servo Press Machine



Product Features

- **High Precision:** Position $\pm 0.01\text{mm}$, Pressure $\pm 1\%$.
- **Smart Monitor:** Real-time curve & OK/NG judgment.
- **Traceability:** MES support & permanent data storage

Key Components

- Control: High-performance PLC
- Drive: Precision Servo + Ball Screw
- Sensor: High-Frequency Dynamic Sensor
- System: Core control algorithm

Specifications

Item	Unit	Model				
		ST-CSF-1.0T	ST-CSF-2.0T	ST-CSF-3.0T	ST-CSF-4.0T	ST-CSF-5.0T
Rated Voltage	v	AC220	AC220	AC220	AC220	AC220
Rated Power	kw	1.2	1.7	1.7	2.8	2.8
Electric Cylinder Stroke	mm	50~200	50~200	50~200	50~200	50~200
Effective Stroke	mm	≤ 200	≤ 200	≤ 200	≤ 200	≤ 200
Servo Rated Force	KN	10	20	30	40	50
Force Range	N	10-10000	10-20000	10-30000	10-40000	10-50000
Open Height	mm	385	385	385	385	385
Table Dimensions	mm	400*300	400*300	400*300	400*300	400*300
Throat Depth	mm	125	125	125	125	125
Min. Shut Height	mm	100	100	100	100	100
Fast Approach Speed	mm/s	≤ 70	≤ 66	≤ 47	≤ 59	≤ 40
Repeatability	mm	0.01	0.01	0.01	0.01	0.01
Operating Temperature	°C	-10 ~ 60	-10 ~ 60	-10 ~ 60	-10 ~ 60	-10 ~ 60
Storage Temperature	°C	-40 ~ 80	-40 ~ 80	-40 ~ 80	-40 ~ 80	-40 ~ 80
Overall Dimensions (L x W x H)	mm	400 * 550 * 1060	400 * 550 * 1060	400 * 550 * 1060	400 * 550 * 1060	400 * 550 * 1060
Weight	kg	125	135	145	155	170

Availability: In Stock. Customization Supported.

Pneumatic Riveting Machine



Specifications

Model : ST-MQD-80

Item	Unit	Parameters	Item	Unit	Parameters
Motor Power	W	200	Rivet Length (Machine Length)	mm	150
Spindle Stroke	mm	38	Machine Height	mm	800
Adjustable Stroke	mm	20	Table Size	mm	180 × 265
Speed	rpm	1450~2800	Machine Weight	kg	80
Throat Depth	mm	90	Packaging Dimensions	mm	450 × 500 × 930
Max. Riveting Diameter (Solid Mild Steel)	mm	6	Packaging Weight	kg	95
Max. Riveting Diameter (Hollow Mild Steel)	mm	10	Time Setting	S	0.5-3
Operating Pressure Range	bar	2-8	Power Supply	V	220 / 50Hz
Max. Pressure	N	2500	Air Supply Pressure	bar	2-8

Product Features

- **Cold Form:** Advanced orbital or radial technology.
- **Low Stress:** 1/10th force, no deformation.
- **High Finish:** Mirror-smooth surface for aesthetic parts.

Key Components

- Spindle: Heat-treated Alloy Steel
- Pneumatics: AirTAC
- Bearings: HRB / NSK
- Motor: Copper Core Variable Speed Induction Motor

Availability: In Stock. Customization Supported.

Pneumatic Riveting Machine



Product Features

- **Cold Form:** Advanced orbital or radial technology.
- **Low Stress:** 1/10th force, no deformation.
- **High Finish:** Mirror-smooth surface for aesthetic parts.

Key Components

- Spindle: Heat-treated Alloy Steel
- Pneumatics: AirTAC
- Bearings: HRB / NSK
- Motor: Copper Core Induction Motor

Specifications

Item	Unit	Model	
		ST-MQD-141	ST-MQD-143
Motor Power	HP	1/2	1
Spindle Stroke	mm	40	40
Adjustable Stroke	mm	110	110
Speed	rpm	1400	1400
Throat Depth	mm	120	125
Max. Riveting Diameter (Solid Mild Steel)	mm	Φ7	9
Max. Riveting Diameter (Hollow Mild Steel)	mm	Φ15	20
Operating Pressure Range	bar	2-7	2-7
Max. Pressure	kg	800	1100
Rivet Length (Machine Length)	mm	150	200
Machine Height	mm	940-1050	1050-1170
Table Size	mm	190 × 320	190 × 320
Machine Weight	kg	120	170
Packaging Dimensions	mm	500 × 600 × 1180	500 × 600 × 1300
Packaging Weight	kg	140	195
Time Setting	S	0.5-3	0.5-3
Power Supply		380V / 3P / 50Hz	380V / 3P / 50Hz
Air Supply Pressure	bar	2-8	2-8

Availability: In Stock. Customization Supported.

Hydraulic Riveting Machine



Product Features

- **Powerful:** Hydraulic drive, rivets >Φ12mm.
- **Stable:** Heavy-duty, vibration-free frame.
- **Versatile:** Ideal for auto chassis & hardware.

Key Components

- Hydraulic Station: Silent Vane Pump
- Spindle: Heat-treated Alloy Steel
- Bearings: HRB / NSK
- Motor: Copper Core Induction Motor

Specifications

Item	Unit	Model	
		ST-MYY-152	ST-MYY-155
Motor Power	HP	1×2	2×3
Spindle Stroke	mm	40	40
Table Lifting	mm	175	175
Speed	rpm	1400	1400
Throat Depth	mm	195	200
Maximum Riveting Diameter (Solid Mild Steel)	mm	12	25
Maximum Riveting Diameter (Hollow Mild Steel)	mm	25	40
Operating Pressure Range	bar	20–70	20–100
Maximum Pressure	kg	1650	5500
Rivet Length (Machine Length)	mm	230	300
Machine Height	mm	1600	1800
Table Size	mm	150 × 240	160 × 260
Machine Weight	kg	350	550
Packaging Dimensions	mm	1000 × 600 × 1750	1020 × 820 × 1950
Packaging Weight	kg	385	620
Time Setting	S	0.5–3	0.5–3
Power Supply	V	380 / 3P / 50Hz	380V / 3P / 50Hz

Availability: In Stock. Customization Supported.

Servo CNC Riveting Machine



Product Features

- **Digital:** Touch control, 0.01mm precision.
- **Smart:** Soft Landing for fragile parts.
- **QC:** Auto height check & NG Alarm.

Key Components

- System: Shuntai Proprietary V2.0
- Frame: Precision Integrated Cast Bed
- Power Head: Shuntai 4th Gen Integrated Power Head
- Sensor: High-Frequency Dynamic Sensor

Specifications

Item	Unit	Model			
		ST-MSF-500	ST-MSF-750	ST-MSF-1500	ST-MSF-3000
Pressure Range	N	5000	7500N	15000N	30000N
Stroke	mm	100	100	100	100
Rapid Advance Speed	mm/s	0.1 ~ 320	0.1 ~ 230	0.1 ~ 150	0.1 ~ 75
Riveting Speed	mm/s	0.01 ~ 15	0.01 ~ 15	0.01 ~ 15	0.01 ~ 15
Motor Maximum Speed	rpm	3000	3000	3000	3000
Holding pressure time	s	0.01 ~ 99.99	0.01 ~ 99.99	0.01 ~ 99.99	0.01 ~ 99.99
Position Repeatability Accuracy	mm	± 0.01	± 0.01	± 0.01	± 0.01
Pressure Repeatability Accuracy	N	1	1	1	1
Position Resolution	mm	0.01	0.01	0.01	0.01
Pressure Resolution	N	0.1	0.1	0.1	0.1
Minimum Closed Height	mm	80	80	80	80
Throat Depth	mm	125	125	125	125
Work Table Size	mm	350* 250	350* 250	350* 250	400*300
Operating Temperature	° C	-30° C ~ 50° C	-30° C ~ 50° C	-30° C ~ 50° C	-30° C ~ 50° C
Power Supply	AC	110~ 250V 50/60Hz	220 50Hz	220 50Hz	220 50Hz
Power	kw	1.8	1.8	1.8	2.2
Overall Dimensions	mm	400 * 550 * 1060	400 * 550 * 1060	400 * 550 * 1060	400 * 600 * 1150
Weight	kg	120KG	120KG	125KG	130KG
IO Points	pcs	2/3	2/3	2/3	2/3
Operation Mode	/	Manual / Auto / IO	Manual / Auto / IO	Manual / Auto / IO	Manual / Auto / IO

Availability: In Stock. Customization Supported.

Multi-station Hydraulic Rotary Riveting Machine



Specifications

Model : ST-HOR-20T

Item	Unit	Parameters	Item	Unit	Parameters
Riveting Force	N	20000	Power	kw	2.5
Adjustable Stroke	mm	100	Operating Temp.	° C	-30° C ~ 50° C
Fine Adjustment Stroke	mm	35	Overall Dimensions	mm	900L*500W*1600H
Max. Spindle Speed	rpm	1400	Weight	kg	550
Dwell Time	s	0.01 ~ 9.99	Power Supply	v	380V 50Hz
Min. Shut Height	mm	80	Operation Mode	/	Manual / Auto
Riveting Head Dia.	mm	15	Actuation Type	/	Two Hands / Foot Pedal

* Note: Customizable (workstations & process flow).

Product Features

- **High Efficiency:** 2-3x faster than single stations.
- **Precise:** Cam indexer, ±0.05mm accuracy.
- **Labor Saving:** 1 operator; fully auto assembly.

Key Components

- Indexer: Precision Cam Indexer
- Sensors: Keyence High-Response
- Hydraulic: Silent Vane Pump
- Motor: Copper Core Induction Motor

Availability: In Stock. Customization Supported.

THANKS FOR WATCHING

Looking Forward to Our Collaboration · Creating Brilliance Together

Contact Us



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