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CONNUC Sink production line

We supply complete production machinery engineering solutions for stainless steel sink or similar shape products, including:

Sink welding machine, with spot welding machine, roll seam welding machine

Sink seam grinding machine, sink side wall polishing machine, sink bottom polishing machine, sink flat drain board polishing machine.

All machinery with special fixture we developed for customized products' size & shape.

Other similar machinery not listed on our catalogue please kindly enquire us by email.

Machine 1: DN-50KVA spot welding machine

DN-50KVA Spot Welding Machine is mainly used for spot welding the sink bowl and sink drain board to joint & fix them together before seam welding.

Features:

1. The especial designed integrated pressure cylinder ensures pressure stability and welding speed.
2. Multi-path compulsory water cooling system, guarantees reliability of long time working.
3. Rigid frame & stable body structure makes machine compatible with both spot welding & projection welding, maximize welding function.
4. Equipped micro-computer controller with constant voltage, constant current, multi-time discharge (MTD), climbing & cluster control, easily meet high welding quality request.
5. Stable body structure
6. With free adjustable pressure speed, slowing the impact on welding piece and reducing the welding noise.
7. It can store 23 welding programs; can be easily selected for execution.
8. Manufactured in accordance with international ISO standard
9. European CE certified
10. Machine painted with ROHS and Lead-free lacquer, all materials are environment friendly.
11. Widely used in production of metal wire hardware, home appliance production, sheet metal production, microelectronics etc.

Technical specifications:

Model: DN-50

Rated capacity: 50KVA

Power input: 380V, 50/60Hz

Max welding input: 100KVA

Rated duty cycle: 20%

Arm length: 380mm

Max pressure: 6280N

Electrode stroke: 60mm

*Above datas for reference only, will be adjusted by exact product.

* Customized machine accepted and welcomed.

Machine photo:



Machine 2: Semi-automatic seam welding machine

FN series is suitable for welding the stainless steel sink bowl and sink board together. When it works, the sink turned around by even speed, the worker holds it and supports it manually to finish the welding.

Machine Working Process and Step

Load the sink on the fixing jig of working table → Start the machine → The welding electrode rolls and sink start to go round and round, at the same time the worker holds and supports it manually → Welding until finish → Automatic back to the original position → Unload the sink.

Overview:

1. Using variable stroke pneumatic cylinders to avoid damage of upper and lower electrodes during movements.
2. Driving by 3-phase stepless speed regulating electrode, easy and stable adjustment of welding speed.
3. Both longitudinal or horizontal welding possible and it meets the request of all kinds working pieces.
4. Robust & reasonable inner structure reduces welding weakness caused by heating.
5. The silver engine bearing with super conductivity and it maximumly reduced the electrical energy loss.
6. Suitable for materials like low carbon steel, stainless steel, widely used in metal fabrication industry including hardware, home appliance, auto, basin making, can making, drum making, thin-wall container making, tank making etc.

Technical specifications:

Item/Model	Rated capacity	Rated primary voltage	Rated frequency	Maximum short current	Electrode stroke	Welding speed	Electrode pressure	Welding capability		Motor power resource	Motor power	Cooling water flow	weight
	KVA	V	Hz	A	mm	M/min	KN	LCS	SUS				
								mm	mm	V	W	L/min	Kg
FN-35	35	380	50/60	12000	50	0.6-2	2.5	0.8+0.8	0.6+0.6	3-380V	90	30	295
FN-50	50	380	50/60	15000	50	0.6-2	2.5	1.0+1.0	0.8+0.8	3-380V	90	30	368
FN-75	75	380	50/60	18000	50	0.6-2	3.9	1.2+1.2	1.0+1.0	3-380V	150	30	520
FN-100	100	380	50/60	21000	50	0.6-2	4.7	1.3+1.3	1.1+1.1	3-380V	150	30	880
FN-150	150	380	50/60	28000	50	0.6-2	6.1	1.5+1.5	1.3+1.3	3-380V	150	30	1050
FN-200	200	380	50/60	34000	50	0.6-4	6.1	1.5+1.5	1.3+1.3	3-380V	150	30	1250

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* Customized machine accepted and welcomed.

Machine photo:



Machine 3: SWM-50 Sink inner wall grinding & polishing machine

General Description:

This Equipment is specially designed for grinding & polishing the stainless steel sink inner wall. When it works, the sink turns around by even speed, and the rolling polishing head clinging and attaching to the inner wall of sink to make cross movement with the acted direction of sink, by this way the sink will be polished equally and beautifully.

It also can be used for grinding and polishing of other metal product's surface to be smooth and clean.

Machine Working Process:

Load the workpiece to the fixing jig of working table → start the machine → The polishing head and sink start to turn around & up and down → Polishing until finish → Automatic back to the original position → unload the sink.

Main Parts List of the Machine

- Air Cylinder and Pressure System
- Beeline Track
- Motor Power System
- Grinding Strip
- Special Designed Fixing Jig and Table
- Main Body
- Electric Controlling Box
- Machinery Movement System;

Technical specifications:

Model No.: SWM-50

Machine size: 2000x570x2200mm (LxWxH)

Polishing length and width: 1300x600mm

Total power: 3KW

*Above datas for reference only, will be adjusted by exact product.

* Customized machine accepted and welcomed.

Machine photo:



Machine 4: Sink edge grinding and polishing machine

General Description

This Equipment is specially designed for grinding the edge of Stainless Steel Sink after seam welding. When it works, the sink turn around by even speed, the polishing strip will grind automatically until it is finished completely, by this way the sink will be polished equally and beautifully, you cannot find any seam welding track clearly.

It also can be used for grinding and polishing of other metal product's surface to be smooth and clean.

Machine working process:

Load the sink on the fixing jig on working table → Start the machine → The grinding strip and sink start to turn round and round, up and down → Polishing until finish → Automatic back to the original position → Unload the sink.

Main Parts List of the Machine

- Air Cylinder and Pressure System
- Beeline Track
- Motor Power System
- Grinding Strip
- Special Designed Fixing Jig and Table
- Main Body
- Electric Controlling Box
- Machinery Movement System;

Technical specifications:

Model No.: SGM-60

Machine size: 2400x1000x2200mm (LxWxH)

Polishing length and width: 1300x600mm

Total power: 60KW

*Above datas for reference only, will be adjusted by exact product.

* Customized machine accepted and welcomed.

Machine photo:



Machine 5: CBM-50 Sink Bottom grinding & polishing Machine

General Description

This Equipment is specially designed for grinding & polishing the stainless Steel sink bottom. When it works, the sink turns around by even speed, the rolling polishing head clinging and attaching to the inside of sink make the cross movement with the acted direction of sink, by this way the sink will be polished equally and beautifully.

It also can be used for polishing other metal products with special designed fixing jig and polishing head.

Machine Working Process :

Load the sink on the fixing jig on working table → Start the machine → The Polishing Head and sink start to turn round and round & up and down → Polishing until finish → Automatic back to the original position → Unload the sink

Main Parts List of the Machine:

- Air Cylinder and Pressure System
- Beeline Track;
- Motor Power System
- Polishing Roller
- Special Design Fixing Jig and Table
- Main Body
- Electric Controlling Box
- Machinery Movement System

Technical specifications:

Model No.: CBM50

Machine size: 2000x570x2200mm (LxWxH)

Polishing length and width: 1300x600mm

Total power: 3KW

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* Customized machine accepted and welcomed.

Machine photo:



Machine 6: Stainless steel Sink Flat Drain Board Polishing Machine

General Description

It is the gate and lathe style polishing machine which is specially designed for grinding & polishing the stainless steel sink flat board. The polishing roller is fixing and turns around; the sink under the roller is loaded at the fixing jig of lathe and move on the rack to realize beautiful polishing of surface.

It also can be used for polishing other metal products with special designed fixing jig and polishing roller.

Machine Working Process:

Load the sink on the fixing jig on working lathe table → Start the polishing roller → Start the working table → Polishing until finish → Automatic back to the original position → unload the sink.

Main Parts List of the Machine:

- Hydraulic Pressure Cylinder and Station;
- Beeline Track;
- Motor Power System
- Polishing Roller
- Special Design Fixing Jig and Table
- Main Body
- Electric Controlling Box
- Machinery Movement System

Technical specifications:

Model No.: BBM50

Machine size: 2810x1760x1500mm (LxWxH)

Polishing length and width: 1300x600mm

Total power: 5KW

*Above datas for reference only, will be adjusted by exact product.

* Customized machine accepted and welcomed.

Machine photo:

