

SUN-100 Machine Tool Use Chip/Sludge Removal Machine



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Demo Video : <https://www.youtube.com/watch?v=ZyBeMPGsiR4>

Introduction

During the use of CNC machine tools, various metal scraps, powders, sludge, etc., will gradually accumulate in the cutting fluid pool. If it is not cleaned for a long time, the volume of the cutting fluid pool will become smaller, and the cutting fluid will not get cyclic utilization during the processing. If larger impurities are drawn into the pump, it will cause blockage of the pipeline, which will affect the cooling and lubrication of the parts during processing. In severe cases, the pump and parts will be scrapped.

The SUN-100 machine tool use chip/sludge removal machine independently developed by our company is suitable for the cleaning of water tanks of various machining centers, CNC machine tools and engineering equipment. It can quickly and easily clean the metal debris, sludge and other impurities in the water tank to make the cutting fluid fully recycled, saving time and cost comparing with manual cleaning.

This machine can be used together with our company's independent product SUN-01 to separate the floating oil on the surface of the cutting fluid, greatly extends the service life of the cutting fluid. Not only reduce the processing cost, but also improve the working environment and guarantee staff health.



Features



- 01** No Need to Stop the Machine Tool
- 02** Plug-in Free (Pneumatic Power)
- 03** Easy To Move Multi machine sharing



- 04** Buffer Design Reduce outlet pipe vibration

- 05** Patent Pressure Relief Device Automatic pressure relief after over-pressure Patent No.20190264162.4

06 Switch and Meter are Set in Front
Easy to operate

07 Large Filter Drum Capacity
The drum is made of 304 stainless steel, rustproof and durable



08 Wider Application Scope
Can clean all kinds of metals, non-metals, sludge, etc

09 Large Flowing Rate
100L/min flow rate, quick cleaning

Product



CLD-100 FAST FILTRATION

Say Goodbye to Traditional Cleaning Method



ALUMINUM SCRAP



IRON FITTINGS



GRINDING DEBRIS

CUTTING FLUID SUCTION

CUTTING FLUID DRAINED



★ Equipped with air gun, easier to clean! Simple Operation!

Apply to Various Machine Tool



GRINDING MACHINE



SAWING MACHINE



LATHE



MILLING MACHINE



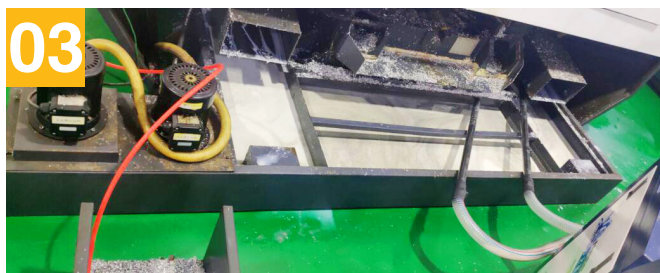
Installation of inlet/outlet pipes



One-button start/stop



Cleaning up scraps



Sucking and filtering

Application Scope



- ★ Applicable to the cleaning of metal, non-metal scraps, sludge, etc. in the coolant tank of the machine tool;
- ★ Can be used as a water pump for water, water-based cutting fluid, water-based liquid, non-volatile oily liquid to perform extraction operation.
- ★ This product is not suitable for corrosive liquids such as strong acids, alkalis and organic solutions.

Technical Parameters



Item	Parameter
Model	SUN-100
Power Source	Pneumatic
Air Pressure Range	0.4-0.7 MPa
Pipe Diameter	10mm
Air Consumption	1-1.7m ³ /min
Max. Suction Distance	5m
Max. Flow Rate	100L/min
Filter Storage Capacity	9L
Filter Mesh Standard	0.4mm, 1mm optional
Max. Particle Dia.	10mm
Viscosity Range	≤ 3000 cP (25°C)
Operating Temperature	0°C --60°C
Overall Dimension	800*450*960mm
N.W	67±1Kg

Packing List



Packing List for SUN-100 Chip/Sludge Removal Machine

J0915Z

Item	Name	Specification	Unit	No.	Remark
1	Machine	SUN-100	Set	1	
2	Handgrip		Pc	1	
3	Filter Drum	Bore Dia. 0.4mm or 1.0mm	Pc	1	Optional One
4	Air Pipe	Φ10	Meter	5	
5	Spring Pipe	Φ10	Set	1	
6	Brush		Pc	1	
7	Rubber Glove		Pair	1	
8	Seals	Φ47*6.5+Φ46*1	Set	2	Spare seals of inlet/outlet quick plug
9	Stainless Steel inlet/outlet Pipe	Φ32*800+Φ32*900	Set	1	
10	Steel Hose Set	Steel Hose +Quick Plug + Clamp	Set	2	
11	Tape		Pc	1	After connecting stainless steel inlet/outlet pipes and steel hoses with clamps, wrap the joint with adhesive tape.
12	Manual		Pc	1	
13	Certificate		Pc	1	
14	Screwdriver		Pc	1	Mounting Kit
15	6mm Hexagonal Spanner		Pc	1	Mounting Kit

After-sales Commitment



The warranty is one year. Within this period, we will provide free maintenance or send necessary spare parts if any technical problem happens.



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Note: Our company reserves the right of final interpretation of the after-sales commitment of this product.