www.**gtt-industry**.com

GLOBAL TOP TRADING INDUSTRY

MACHINERY PARTS / PNEUMATIC COMPONENTS
ELECTRICAL PARTS / **ETC**

GTT-industry

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Company Introduction

GTT Industry is a sole manufacturer of chip cleaners, an essential part of processing machine tools, and handles parts and electric materials for machine tools, precision instruments, and automation facilities as well as products in various industries.
Drawing on a combination of manufacturing technology information and customer information, we aim to be a reliable supplier home and abroad.

We have the manufacturing department and the part department. The manufacturing department manufactures and sells chip cleaners and handles processing business for other companies. The part business department deals with and provides parts and electric materials for machine tools, precision instruments, and automation facilities. Our strength lies in our large product pool which allows us to select products that meet customer needs and supply them in a timely manner.

The leader in company culture which puts nature and environment first!

GTT Industry's goal and dream is to win customers' trust based on a variety of items and reasonable thinking. Thank you.

GTT Industry CEO Jung Yoon Woo

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Handling item

Manufactured part
- CHIP CLEANER
- AUTO CHIP CLEANER
- VACCUM VALVE
- CYCLONE AUTO CHIP CLEANER
- OIL SKIMMER(Electric, Air)

Machnine part
- BALLSCREW
- Shinmyotan
- Special BOLT
- BEARING
- COUPLING
- ANGLE HEAD
- LM-GUIDE
- ORING, GASKET

Electrical part
- Planetary gear reducer
- FAN COOLER
- GEARED MOTOR
- ENCODER
- OIL COOLER

雙 Hydraulic part
- Hydraulic valve
- TROCHOID PUMP
- CONSTANT FLOW VALVE
- SELECTOR VALVE
- GRUDNFOS PUMP
- LUBRICATION PUMP
- HYDRAULIC GAUGE
- HYDRAULIC UNIT
- ROTOR PUMP
- Controlled volume pump
- FLOWMETER

CHIP CLEANER



1 Must-have-item for an eco-friendly company!!

2 Sludge turns into cutting oil through chips!!

3 Cost reduction!!

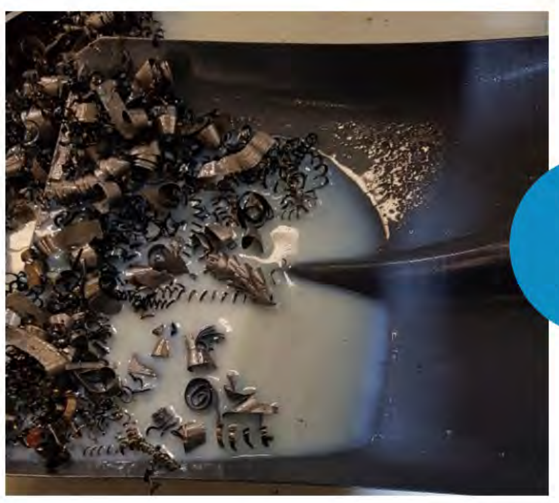
4 Improved working enviroment!!

5 Extended lifespan of cutting oil!!

Disposal of cutting oil

By shovel





By CHIP CLEANER



Manufacturing department

CHIP CLEANER · OIL CLEANER

CHIP CLEANER is an instrument which, after sucking chips and cutting oil respectively into a vacumm drum, discards the chips and recycles the cutting oil.

Effect

Simultaneous disposal of CHIP and cutting oil	CHIP separation/disposal, cutting oil recycling
Bad smell / bacteria propagation / frequence replacement of cutting oil	Operated by air, it can be used semi-permanently. Improved working environment / cost reduction / improved worker health





Classifi-cation	CHIP CLEANER	PRODUCT No. (GTT CC-205)
	Item	Size
1	DRUM	567X846
2	3-WAY BALL VALVE	1 1/2"
3	VACCUM VALVE	max 8.3BAR
4	FILTER	50mic, 5mic
5	Corrugate Tube HOSE	Φ38-2.5M
6	COIL AIR HOSE	7.5M
7	TROLLEY (Cart)	For 205L (Handle type)

VACCUM VALVE	PRODUCT No. (GTT VV-09)
Item	Size
VACCUM VALVE	max 8.3BAR

Model / Use	OIL SKIMMER(Electric, Air)	
	Electricity(SE)	Air(SA)
Oil removal volume	15ℓ / h	15ℓ / h
Power supply	220V	Air
Belt material	Urethane / Wool	Urethane / Wool
Belt width	34mm	34mm
Motor	6W 4P 50/60Hz	Air


CHIP CLEANER


VACCUM VALVE


OIL SKIMMER(SA)


OIL SKIMMER(SE)

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Chip Cleaner

A device that allows only refined cutting oil to be recycled and used after sucking and separating chips and cutting oil by using air.



Using a **CHIP CLEANER**

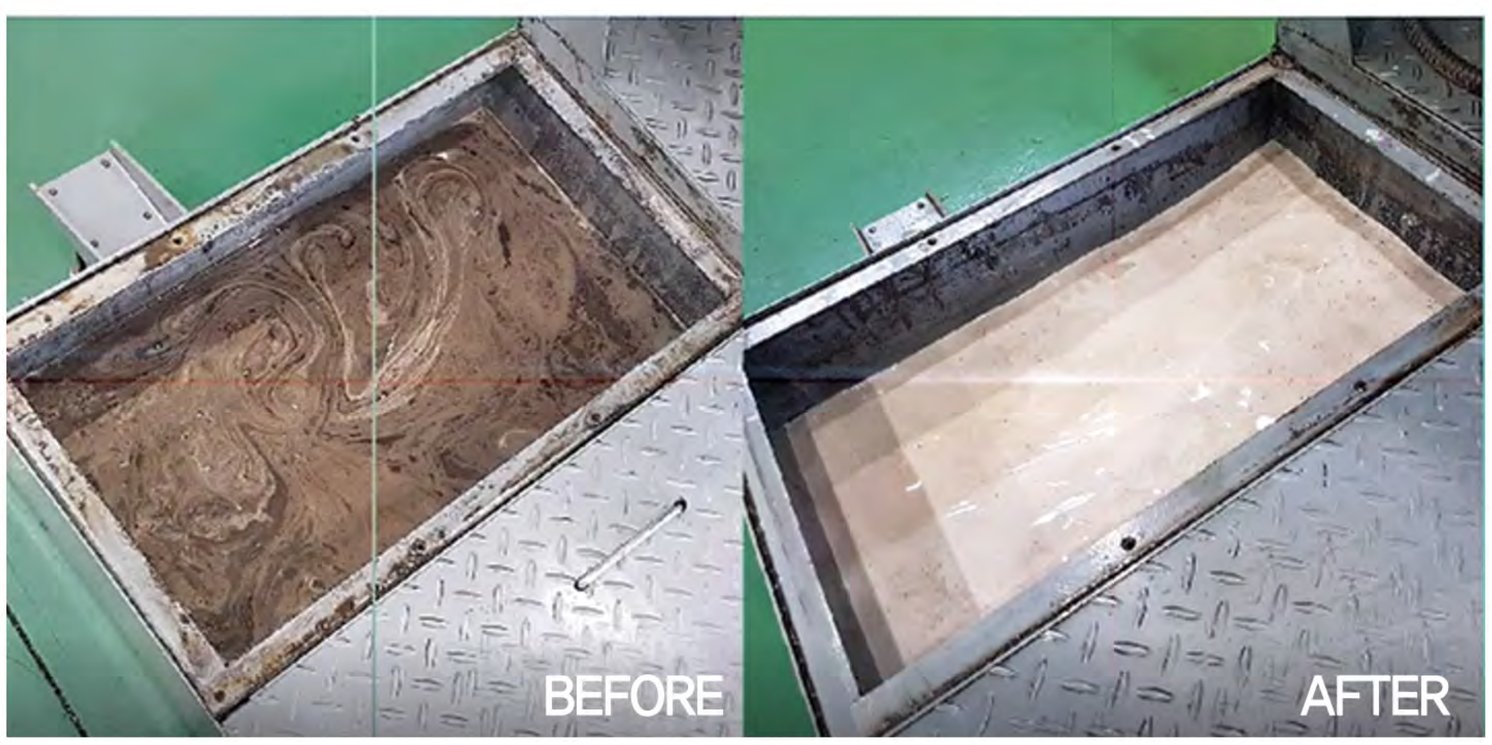
Enhances machining performance by maintaining cleanliness and managing PH concentration of cutting oil!

+

Reduces cost by extending the replacement cycle of and reusing cutting oil!

+

Improves odorous workplace environment and guarantees the health of workers



CHIP CLEANER

First Manufacture in Korea

Utility Model Application Number
20-2018-0004695

Design Application Number
30-2018-0030801

Strength of **CHIP CLEANER**

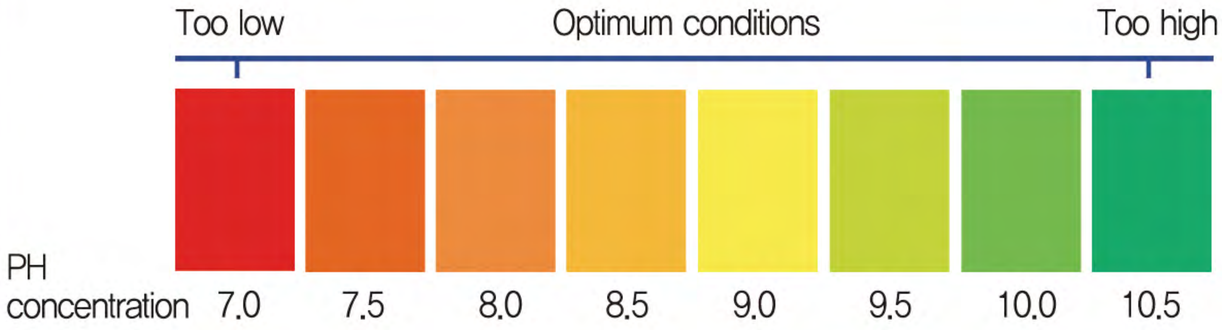
Application	Cost reduction	Easy maintenance	Efficiency	Safety
Remove **chips and sludge** from the cutting oil.	**Reuse the cutting oil.**	No motor is **blocked or worn.**	**Easy to move** so you can use it as **easily as a vacuum.**	**Use only compressed air,** not electricity.

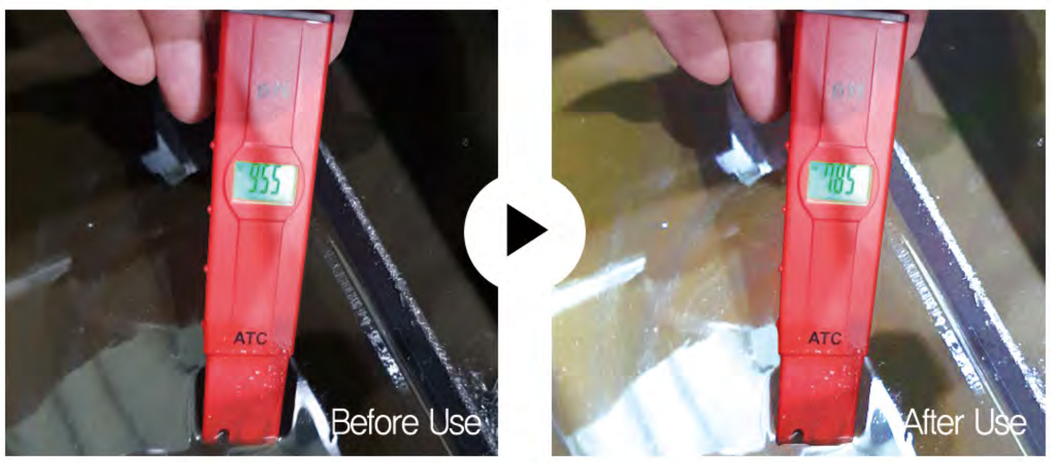
Chip Cleaner

Management of **Cutting Oill**



Comparison of PH concentration





Cost reduction before and after using CHIP CLEANER

(The following figures are the average prices and may differ from actual ones.)

Before Using Chip Cleaner – Based on the cutting oil of Company C –

Tank Size (Liter)	One-time Replacement Cost (Unit: 10,000 KRW)	Replacement Cycle (Month)	1 year Replacement Cost (Unit: 10,000 KRW)
200	90	3	360
400	180	3	720
600	270	3	1080

After Using Chip Cleaner

1 year Replacement Cost (Unit: 10,000 KRW)
180
360
540



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PRODUCT NAME	CHIP CLEANER
SERIAL NUMBER	GTTCC-205-0000
ITEM SIZE	DRUM 205ℓ VACCUM VALVE max 8.3BAR FILTER 5㎛, 10㎛ PIPE Φ38 DATE :
MADE IN KOREA	

If you want to see the effect of CHIP CLEANER first, apply for the cutting oil cleaning service using a CHIP CLEANER!

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Auto Chip Cleaner

A new concept cutting oil purifying device that uses air to purify chips and sludge floating in cutting oil through a filter and automatically discharges refined cutting oil regardless of whether the equipment is on or not by auto draining.



Details (Capacity)





MODEL	AUTO CHIP CLEANER
POWER	AIR TYPE
WEIGHT	60KG
SIZE	1026(W) X 400(D) X 855(H)
MAX FLOW	132ℓ /min
FILTER CAPACITY	18.5 Liter
FILTER SPEC	400㎛(50㎛)
FILTER MATERIAL	SUS304 (Polyester)

MODEL	CYCLONE AUTO CHIP CLEANER
POWER	AIR TYPE
WEIGHT	80KG
SIZE	630(W) X 474(D) X 750(H)
MAX FLOW	132ℓ /min
FILTER CAPACITY	75 Liter
FILTER SPEC	20㎛
FILTER MATERIAL	CYCLONE PLASTIC

※note: Air pressure must not be entered above 8.5 Bar.

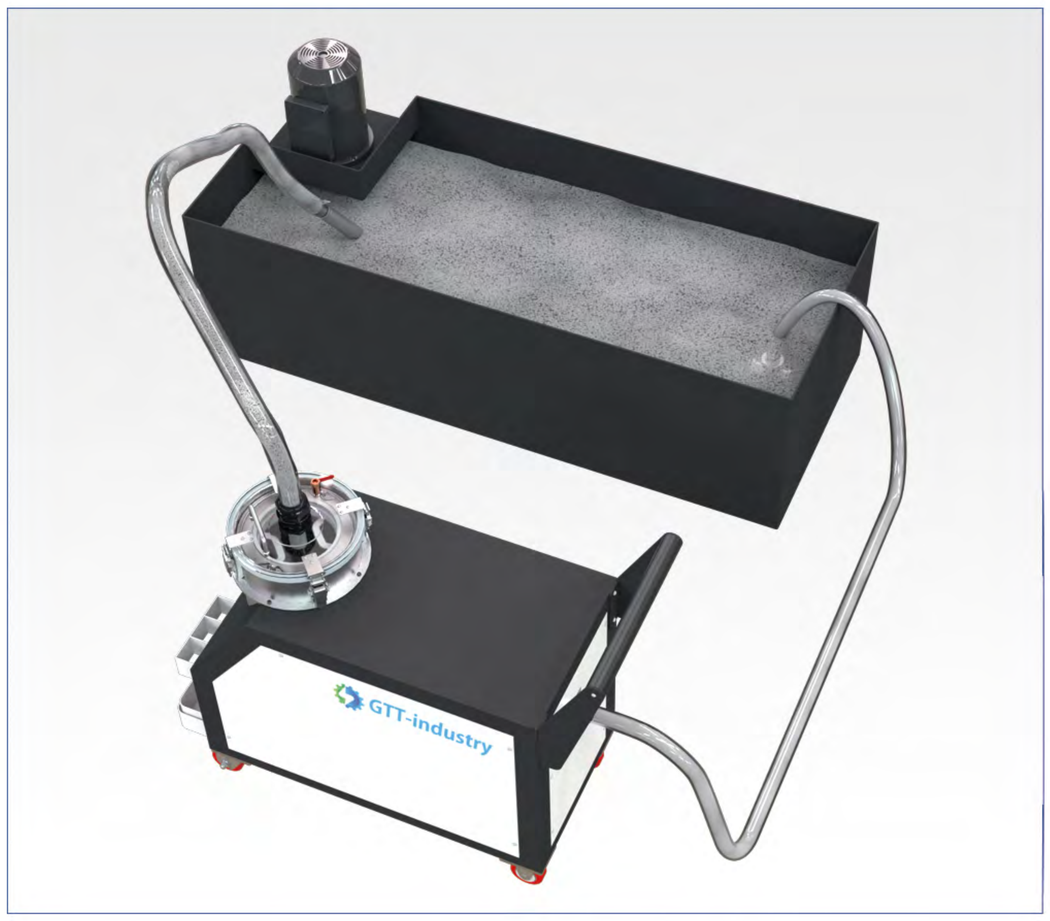
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AUTO CHIP CLEANER INSTALLATION EFFECT



※If you want to see the simulation (video), please use the QR code above.





Strengths of AUTO CHIP CLEANER

- Forced circulation using a motor
- Oxygen injection function
- Rated timer function
- Main control box (Option)

- Preventing decomposition by circulation of coolant oil
- Managing coolant oil PH concentration (reducing odor)
- Preventing motor overload (longer life)
- Increasing efficiency of managing workers

- Extending replacement cycle of coolant oil
- Cost reduction for business owner
- Improving workplace environment
- Increasing health rights of workers

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Shinmyontan



Lead content 0%

Eco-friendly mold condition inspection agent

Product Specifications

- ✓ Eco-friendly product (RoHS regulation, PRTR law) with high safety
- ✓ 5 times more coating area than Red Lead
- ✓ Precise inspection function with thin and uniform coating
- ✓ Use it as it is without adding oil for kneading
- ✓ Easy to clean even if it gets on your skin or clothes

Product Use

- ✓ Conformity inspection of machined parts
- ✓ Gear meshing inspection
- ✓ Flat finish imbalance inspection
- ✓ Full inspection
- ✓ Marking-off

Shinmyotan N-RED

For general use, orange luster (semi-solid) 400g



Shinmyotan SP-RED

For precision mold inspection, red-orange luster (semi-solid) 400g



Purpose of Product Development

Gwangmyeongdan (red lead) (orange inorganic pigment) has been widely used as an indispensable subsidiary material for metal processing. Red Lead is in particulate form and has been widely used because of its luminous and viscous properties, but it is now regarded as a hazardous substance as people got more attention in human toxicity (lead poisoning) of lead oxide (Pb304) dust.

Gwangmyeongdan (red lead) is a particulate matter and most of it enters the human body through the respiratory tract, so it should be refrained from using for a clean work environment. In addition, the lead component in Gwangmyeongdan (red lead) is not decomposed and remains in the product, it may cause environmental pollution even after disposal.

To solve this problem, Nakatani's technical team has developed a variety of product series as a result of years of research and experiments. It includes Shinmyotan SP-RED which is an eco-friendly product that is free of lead, human-friendly and superior to the performance of Red Lead. Shinmyontan is a product developed and produced by Nakatani, a Japanese eco-friendly system company.



Test results

Type / Experimental characteristics	Inju (Ferric oxide)	Gwangmyeongdan (Lead oxide)	Shinmyotan SP-Red	Shinmyotan N-Red
Color	Reddish brown	Red orange	Red	Orange
Density	5.20	9.10	1.20	1.25
Condition	Powder	Powder	Cream	Cream
Stickiness	△	△	○	△
Peelability	△	△	○	△
Diffusion	△	○	○	○
Marketability	X	○	○	○
Cleanability	X	X	○	○
Workability	X	X	○	○
Environmental	○	X	△	△

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Component business department

Machine part



BALLSCREW
Changes linear motion into rotary

Handling maker
IPIRANGA, PMI



LM GUIDE
Tools to support for worker

Handling maker
PMI, THK



BEARING (BALLSCREW SUPPORT BEARING)

Handling maker
NACHI, NSK



SHINMYOTAN
Harmless precision mold inspector

Handling maker
NAKATANI



BRAKE
Hydraulically or pneumatically actuated, spring-released-type brake

Handling maker
SUNTES



COUPLING
Driving force connector between axies

Handling maker
KTR, R&W



WATER SEPARATOR
New concept moisture eliminator without filter element

Handling maker
UMI TECH



ROTARY UNION
Precision machinery that preserves and isolates fluid connections by moving fluid to the rotating part of the machine

Handling maker
DEUBLIN, SKT



Measuring Instrument
Optimized for various manufacturing industries precision measuring instrument

Handling maker
Mitutoyo, Renishaw

Electric part



GEARED
Special material and manufactured bolt

Handling maker
PGM, ATG



ENCODER
Changes one signal to another in digital electronic circuit

Handling maker
AUTONICS, SUMTAK



PORTABLE M.P.G
Manual pulse device for machine tools

Handling maker
YOUNGCHANG
SG-TECH

雙 Hydraulic part



OIL COOLER
Cools lubricant

Handling maker
WOOJIN-TECH



GRUNDFOS PUMP
High-efficiency

Handling maker
GRUNDFOS



LUBRICATION PUMP
Gear pump sends and cycles lubricant

Handling maker
LUBE, TACO,
SKF(VOGEL),
A-RYUNG



FLOWMETER
Flowmeter

Handling maker
MEISTER



OIL SKIMMER
Polluted oil and sludge is discharged to the outside by installing an oil-water separator, and coolant oil and water are automatically recoverede

Handling maker
Mirae Precision Company



TSC
(Through Spindle Coolant)
A unit that supplies high-pressure cutting oil using a cyclone filter

Handling maker
THE ONE TECH

Handers & Partners

PGM Servo Motor Reducer
NACHI
(주)지티엘
株式会社ナカタニ
IPIRANGA Always ahead
SUMTAK
YUKEN
GRUNDFOS
VOGEL
LUBE
ASK
PMI PMI Precision Ballscrew Div.
Nissei 株式会社ニッセイ
JMT JMT KOREA
SEISA
와프 WAFF
UNI-TECH Best Your Partner
HMC
森川商事 Morikawa Corporation
SPM (주)에스피앰
GR GREENTEC CO., LTD
SB SUNG BO 성보테크 항공인펠라·금형·전문단품가공
MR 미래정밀
umi 유미테크
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Product designs and specifications may change without notice for improvement. Be sure to read the manual and cautions written on the machine before use.