

AXMINSTER

INDUSTRIAL SERIES

UB-3300VECK Cyclone Extractor



CONTENTS

IMPORTANT SAFETY RULES-----	2
IMPORTANT SAFETY RULES FOR DUST COLLECTORS-----	3
GROUNDING INSTRUCTIONS-----	4
SPECIFICATIONS-----	5
UNPACKING CONTENTS-----	6
HARDWARE PACKAGE-----	7
ASSEMBLY INSTRUCTION-----	8
EXPLODED DIAGRAM-----	10
PARTS LIST-----	11

- **WARNING!**

Please read this manual carefully before assembly, testing and operating.

- **WARNING!**

Do not operate this unit until hose or pipe is installed onto the dust inlet port.

IMPORTANT SAFETY RULES

Wood working can be dangerous if safe and proper operating procedures are not followed. As with all machinery, there are certain hazards involved with the operation of the product. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result.

Safety equipment such as guards, push sticks, hold-downs, featherboards, goggles, dust masks and hearing protection can reduce your potential for injury. But even the best guard won't make up for poor judgment, carelessness or inattention. Always use common sense and exercise caution in the workshop. If a procedure feels dangerous, don't try it. Figure out an alternative procedure that feels safer. REMEMBER: Your personal safety is your responsibility.

WARNING: FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY

1. FOR YOUR OWN SAFETY, READ INSTRUCTION MANUAL BEFORE OPERATING THE TOOL. Learn the tool's application and limitations as well as the specific hazards peculiar to it.
2. KEEP GUARDS IN PLACE and in working order
3. ALWAYS WEAR EYE PROTECTION
4. GROUND ALL TOOLS. If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter plug must be attached to a known ground. Never remove the third prong.
5. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it "ON".
6. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
7. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
8. KEEP CHILDREN AND VISITORS AWAY. All children and visitors should be kept a safe distance from work area.
9. MAKE WORKSHOP CHILDPROOF – with padlocks, master switches, or by removing starter keys.
10. DON'T FORCE TOOL. It will do the job better and be safer at the rate for which it was designed.
11. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.
12. WEAR PROPER APPAREL. No loose clothing, gloves, neck-ties, rings, bracelets, or other jewelry to get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
13. ALWAYS USE SAFETY GLASSES. Wear safety glasses. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses. Also use face or dust mask if cutting operation is dusty.
14. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.
15. DON'T OVERREACH. Keep proper footing and balance at all times.
16. MAINTAIN TOOLS IN TOP CONDITION. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
17. DISCONNECT TOOLS before servicing and when changing accessories such as blades, bits, cutters, etc.
18. USE RECOMMENDED ACCESSORIES. The use of accessories and attachments not recommended by us may cause hazards or risk of injury to persons.
19. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in "OFF" position before plugging in power cord.
20. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
21. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure that it will operate properly and perform its intended function – check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
22. DIRECTION OF FEED. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
23. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.
24. DRUGS, ALCOHOL, MEDICATION. Do not operate tool while under the influence of drugs, alcohol or any medication.
25. MAKES SURE TOOL IS DISCONNECTED FROM POWER SUPPLY while motor is being mounted, connected or reconnected.
26. WARNING: The dust generated by certain woods and wood products can be injurious to your health. Always operate machinery in well ventilated areas and provide for proper dust removal. Use wood dust collection systems whenever possible.

IMPORTANT SAFETY RULES FOR DUST COLLECTORS

WARNING: Basic precautions should always be followed when using your dust collector. To reduce the risk of injury, electrical shock or fire, comply with the safety rules listed below:

1. READ and understand the instruction manual before operating the dust collector.
2. DO NOT leave the dust collector plugged into the electrical outlet. Unplug dust collector from outlet when not in use and before servicing, changing bags, unclogging and cleaning.
3. ALWAYS turn the power switch “OFF” before unplugging the dust collector.
4. **WARNING: TO REDUCE THE RISK OF ELECTRICAL SHOCK** do not use outdoors or on wet surfaces. Use for dry pickup only!
5. FOLLOW all electrical and safety codes, including the National Electric Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.
6. DO NOT use the dust collector to pick up flammable or combustible liquids, such as gasoline. NEVER use the dust collector near any flammable or combustible liquids.
7. USE the dust collector to pick up wood materials only. DO NOT use the dust collector to pick up metal shavings, dust, water, or parts.
8. NEVER use the dust collector to dissipate fumes or smoke. NEVER pick-up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
9. USE only as described in this manual.
10. DO NOT pull the dust collector by the power cord. NEVER allow the power cord to come in contact with sharp edges, hot surfaces, oil or grease.
11. DO NOT unplug the dust collector by pulling on the power cord. ALWAYS grasp the plug, not the cord.
12. DO NOT handle the plug or dust collector with wet hands.
13. REPLACE a damaged cord immediately. DO NOT use a damaged cord or plug. If the dust collector is not operating properly, or has been damaged, left outdoors or has been in contact with water, return it to an Authorized Service Center for service.
14. DO NOT use the dust collector as a toy. DO NOT use near or around children.
15. DO NOT insert fingers or foreign objects into the dust intake ports. Keep hair, loose clothing, fingers, and all body parts away from openings and moving parts of the dust collector.
16. DO NOT use the dust collector without a filter bag and dust collection bag in place and properly secured.
17. DO NOT operate the dust collector with unused dust intake ports uncapped. ALWAYS cover exposed dust intake ports.
18. PERIODICALLY INSPECT dust and filter bags for any cuts, rips or tears. NEVER operate the dust collector with a damaged bag or vacuum hose.
19. The dust collector is designed for home use or light commercial duty ONLY!
20. CONNECT dust collector to a properly grounded outlet only. See Grounding Instructions.

SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

The appliance must be grounded, if it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having equipment-ground conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING – Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet; have a proper outlet installed by a qualified electrician.

For grounded, cord-connected appliances:

This appliance is for use on a circuit having a normal rating more than 120 volt and is factory-equipped with a specific electric cord and plug to permit connection to a proper electric circuit. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance. If the appliance must be reconnected for use on a different type of electric circuit, qualified service personnel should make the reconnection.

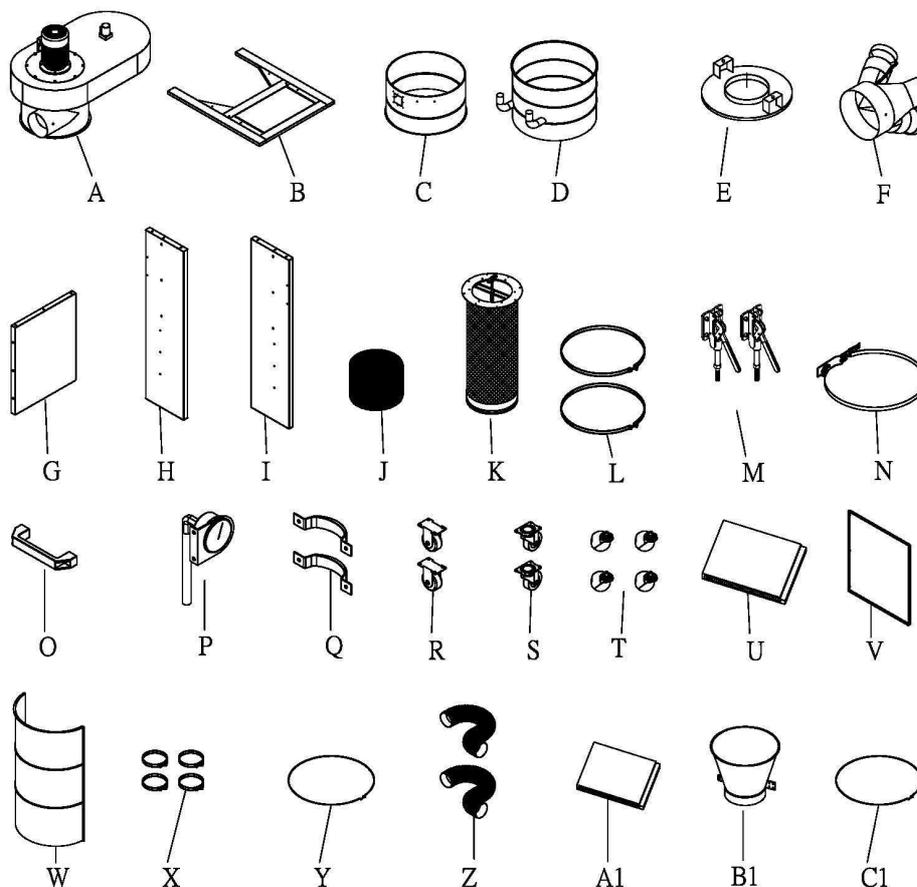
For a permanently connected appliance:

This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the appliance.

Specifications:

Motor	3HP/240V/50Hz/ 1 Phase
AMP	16A
Motor Speed	2850 RPM
Suction Capacity	2000 CFM
Static Pressure	16.1 Inch H2O
Impeller Size	15.8"
Inlet Size	8"
Switch	Magnetic Switch
Overall Dimensions of Base	1200 x 880 x 2150 mm
N.W. BOX1	139 KGS
BOX2	40.5 KGS
G.W. BOX1	158 KGS
BOX2	45.5 KGS
CUFT	34'

UNPACKING & CHECKING CONTENTS:



A : Main Housing Assembly

B : Base

C : Upper Drum

D : Lower Drum

E : Drum Lid

F : Inlet Adapter

G : Center 10wev Support plate

H : Left Stand support

I : Right Stand support

J : Hose

K : Canister Filter

L : Hose Clamp

M :Quick Lever

N : Bag Clamp

O : Drum Handle

P : Negative Pressure Gauge

Q : Handle

R : Fixed base wheels

S : Rotating Base wheels

T : Drum wheels

U : PE bag for Canister

V : Center Upper Support plate

W :Guard

X: Hose Clamp

Y : Hose Clamp

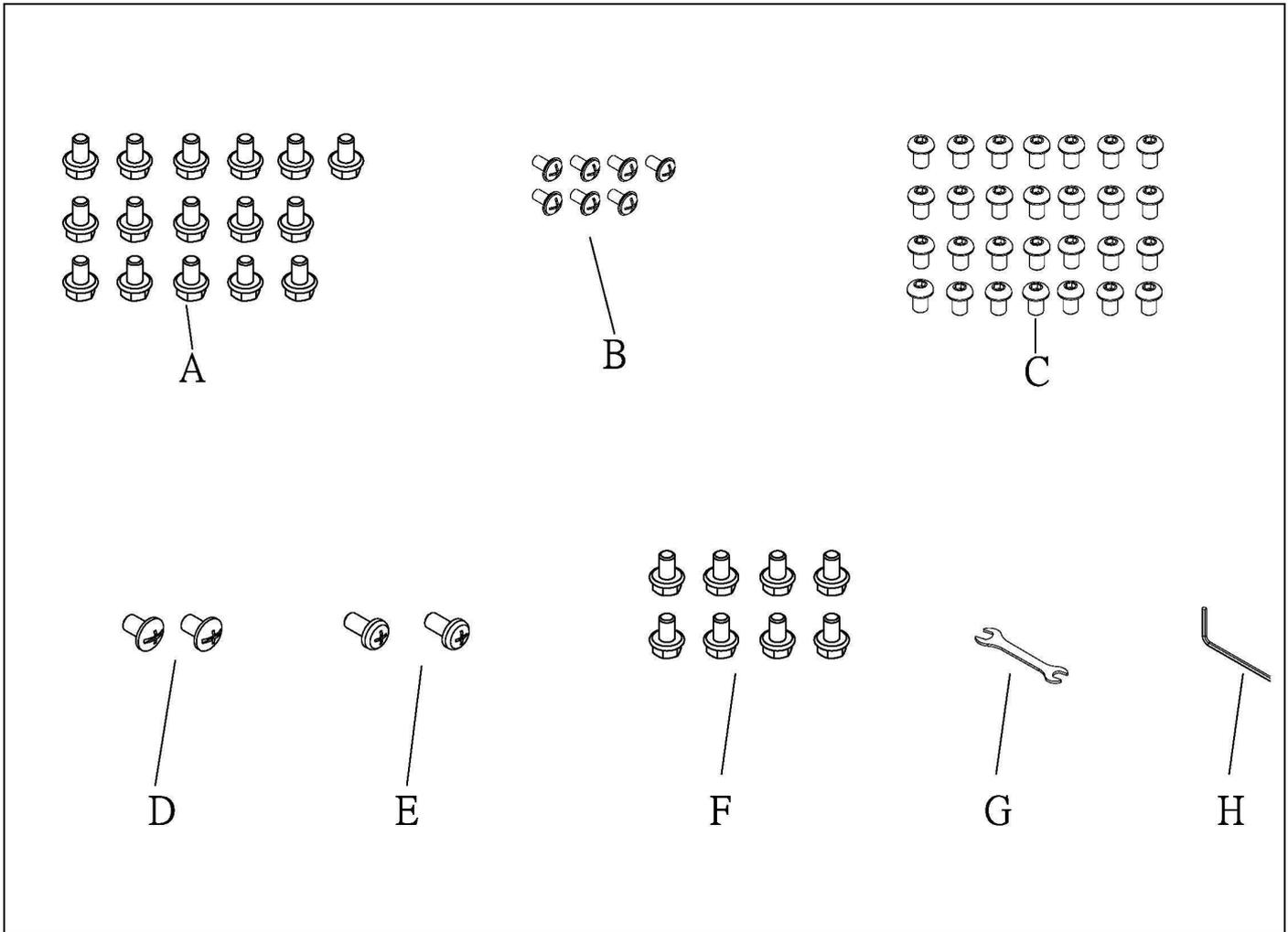
Z: Hose

A1 :PE Bag for Drum

B1: Reducing Housing

C1: Reducing Housing Clamp

Hardware package:



NO.	<u>Description</u>	<u>Specification</u>	Q'TY	Part List No
A	Flange Bolt	5/16"x1/2"	16	24
B	Phillips Head Screw	3/16"x3/8"	7	16
C	Button Head Screw	5/16"x1/2"	28	66
D	Flat Head Screw	1/4"x1/2"	2	60
E	Phillips Head Screw	1/4"x1/2"	2	72
F	Flange Bolt	5/16"x3/4"	8	8
G	Open Wrench	10x12	1	42
H	Allen Wrench	5mm	1	43

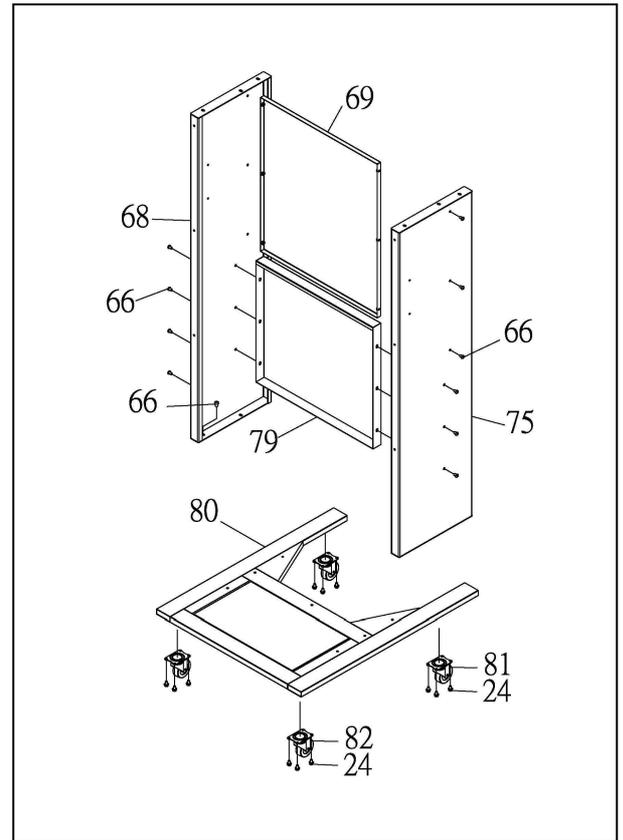
ASSEMBLY INSTRUCTION

STEP1-1.

Secure the Base (No.80) and Fixing Wheel (No.81) and Movable Wheel(No.82) with 5/16"x1/2" Flange bolt(No.24) .

STEP1-2..

Place and secure the Left Stand Support(No.68), Right Stand Support(No.75), Side Support Plate (No.79) and Upper Support Plate (No.69) with 5/16"x1/2" Button Head Screw (No.66) as FIG.1.



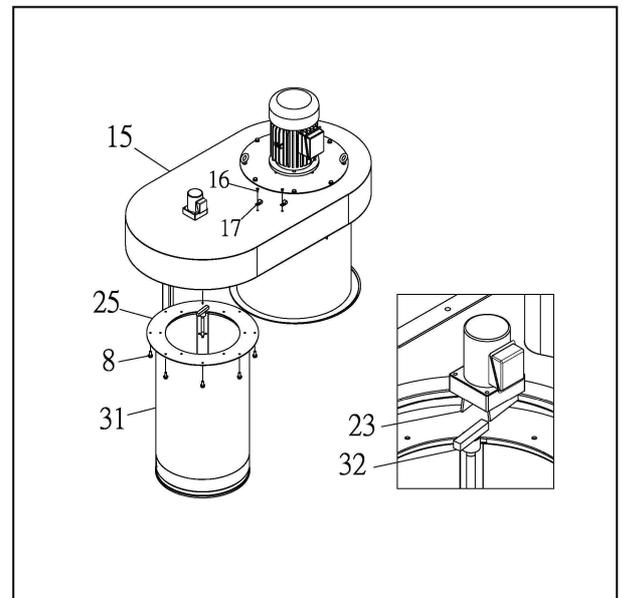
(FIG.1)

STEP2-1.

Assemble the canister filter (NO.31), on the main housing and place the rod (NO.23) into the rod kit (NO.32). Tight the canister filter with flange bolts (NO.8) on the main housing.

STEP2-2

Screw the wire clip (NO.17) on the main housing (NO.15), tighten with Phillips head screw (NO.16). See (FIG 2)



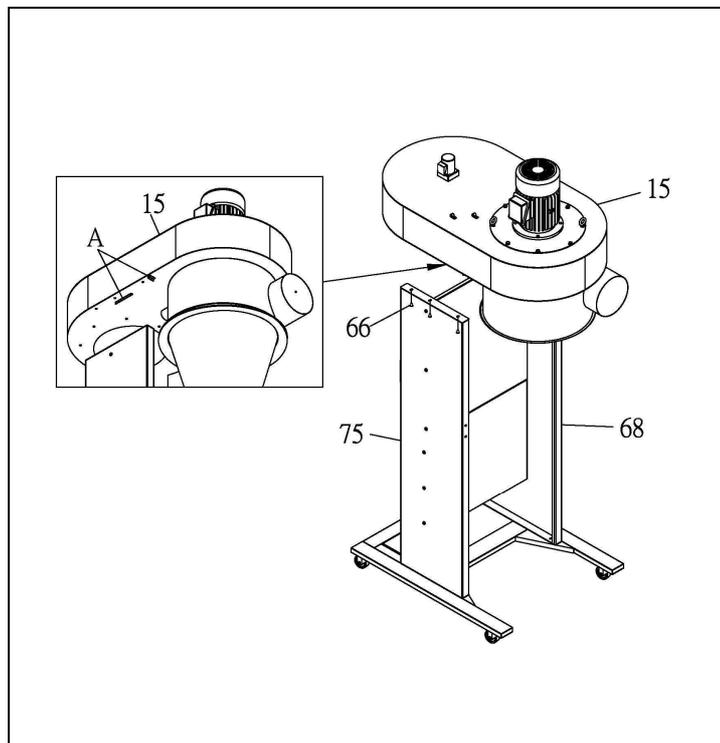
(FIG.2)

STEP3.

Please have 4 people lift up the main housing (NO.15) then place on the left stand board (NO.68) and right stand board (NO.75) against to A. Using the button head screws (NO.66) to tight together. See (FIG 3)

CAUTION!!!

The main housing set is heavy, please have at least 4 people work together when lifting



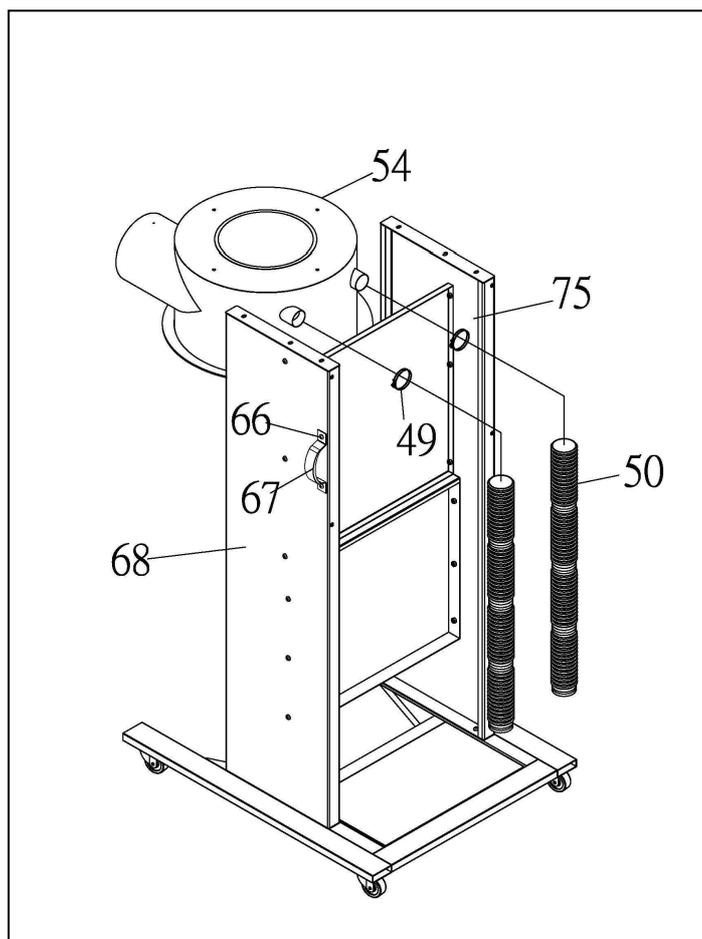
(FIG.3)

STEP4-1.

Place the hose (NO.50) on the housing (NO.54), and tighten with hose clamp (NO.49).

STEP4-2

Screw the handle (NO.67) on the left and right stand board (NO.68.75), tighten with button head screw (NO.66).

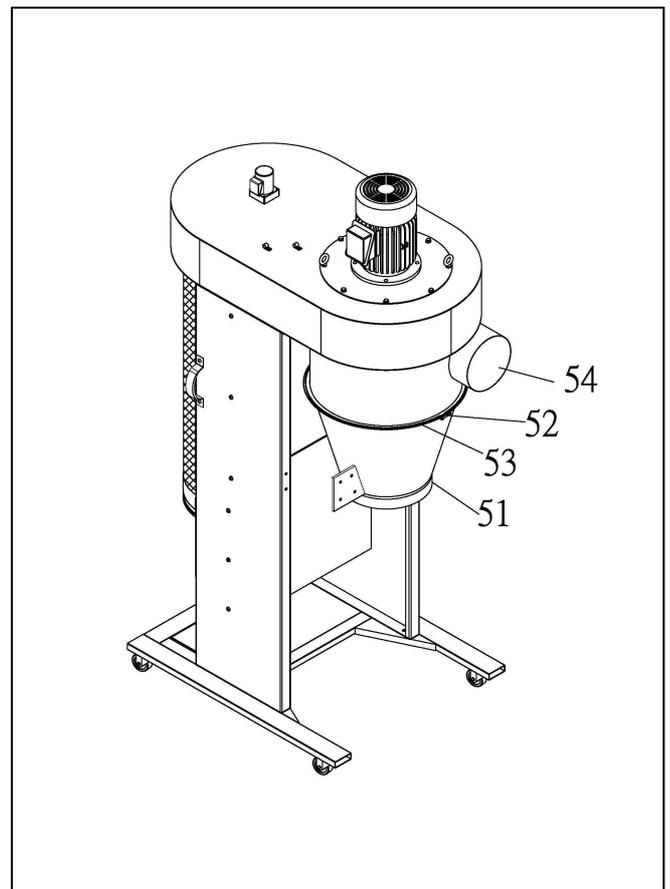


(FIG.4)

STEP5-1.A

Assemble the reducing housing (NO.51) and housing (NO.54), fix with clamp (NO.53), then tighten with Phillips Head Screw(NO.52).

See (FIG 5A)



(FIG.5A)

STEP5B -1.

Assemble Upper collecting drum (NO.87B) and Lower collecting drum (NO.89), fix both sides with drum Clamp (NO.88), then tighten with Phillips Head Screw (NO.52).

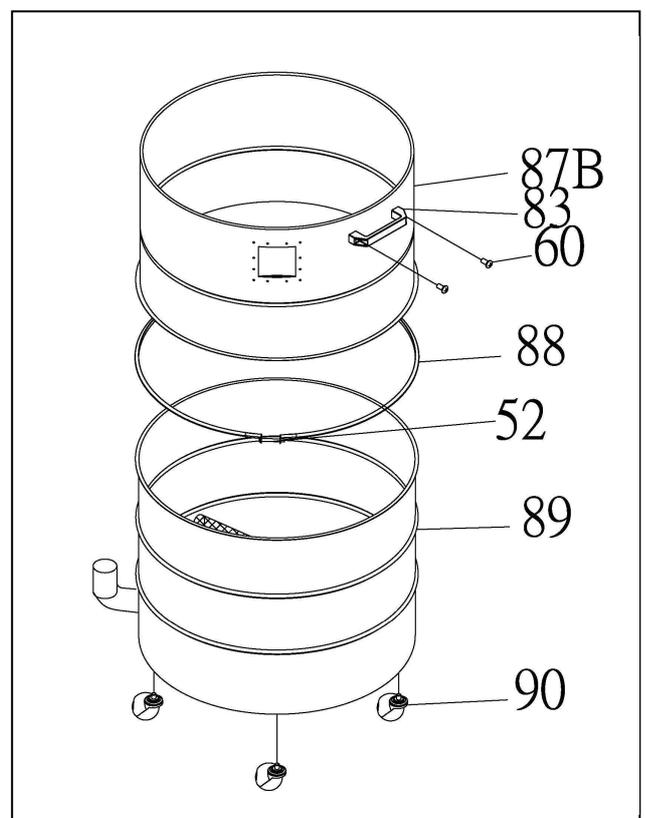
STEP5B -2

Tight the wheels (NO.90) under the collecting drum (NO.89) into the thread nuts..

STEP5B -3

Tight the drum handle (NO.83) on the drum with flat head screws. (NO.60)

See (FIG 5B)



(FIG.5B)

STEP6-1.

Place the inlet (NO.57) on the inlet of housing (NO.54). Tighten with Phillips Head Screw (NO.16).

STEP6-2

Stick the foam (NO.46) under the reducing housing (NO.51) and top of the drum lid (NO.45). Then put on the hose to fix both sides(NO.48), finally tighten with hose clamp (NO.47).

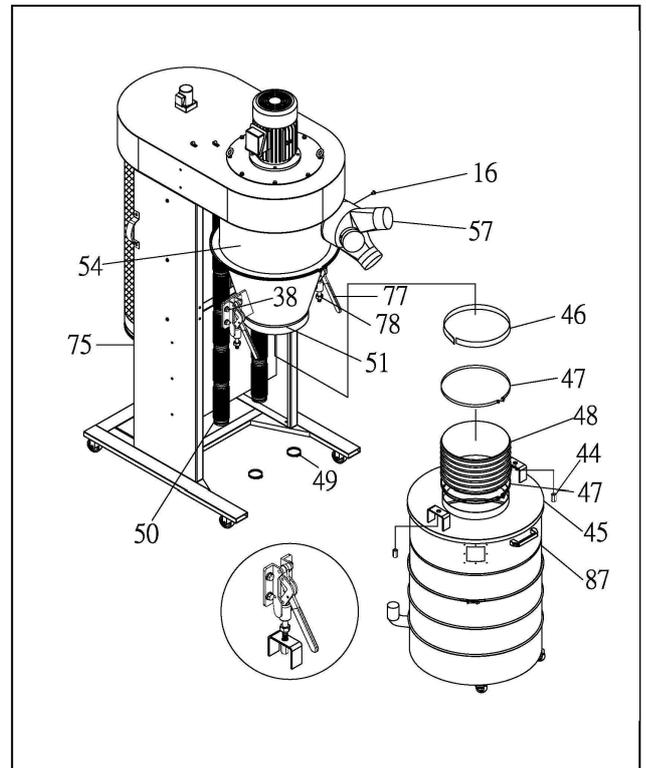
STEP6-3

Screw the quick lever (NO.77) on the reducing housing (NO.51), screw with Phillips head screw (NO.38) and then put the nut on (NO.78).

Then assemble with the drum lid (NO.45), finally tighten with long nut (NO.44)

STEP6-4

Put the hose (NO.50) on the upper collecting drum (NO.87), tighten with hose clamp (NO.49).



(FIG6)

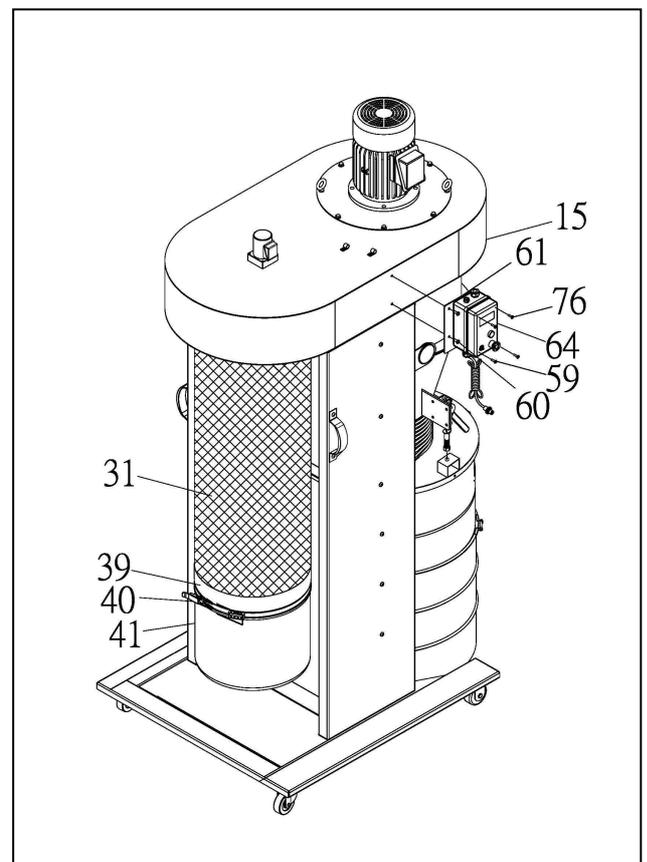
STEP7-1.

Screw the switch box (NO.64) on the switch plate (NO.61), tighten with Phillips head flange screw (NO.76) and Phillips head screw (NO.59). Then screw the switch plate (NO.61) on the main housing (NO.15). Tighten with Flat Head Screw (NO.60).

STEP7-2.

Stick the foam (NO.39) under the canister filter (NO.31), then put around the PE bag (NO.41), then tighten with clamp(NO.40).

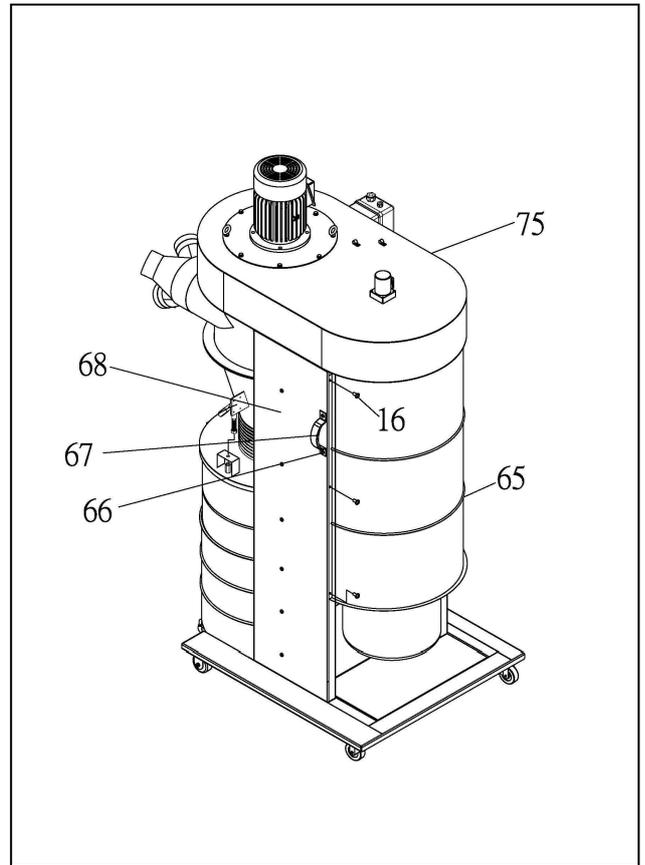
See (FIG 7)



(FIG.7)

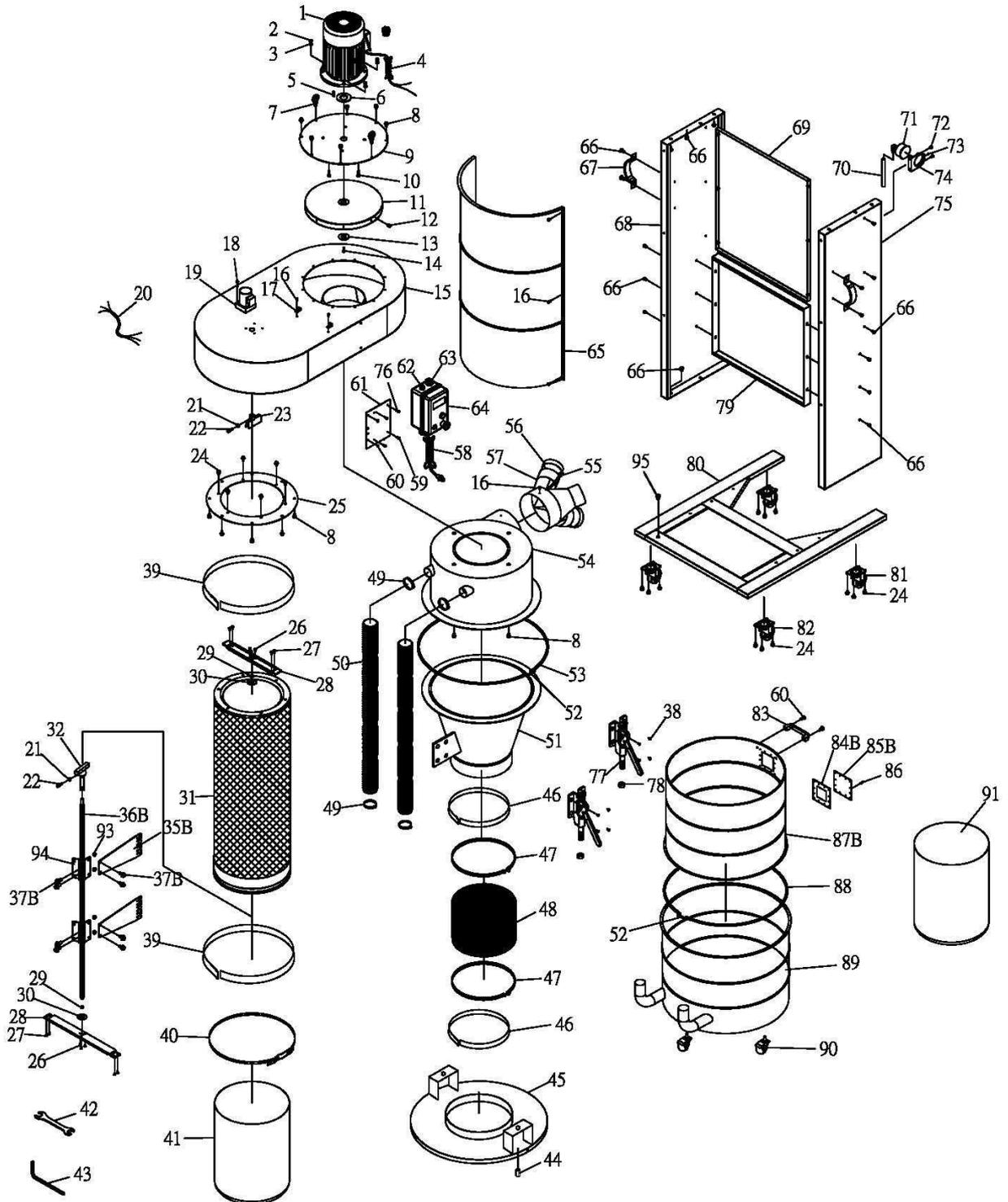
STEP8-1.

Assemble the housing cover (NO.65) on the right stand board (NO.75) and left stand board (NO.68), tighten with Phillip head flange screw (NO.16).
(See Fig.8)



(FIG.8)

Exploded Diagram:



Part List

NO.	Description	Specification	Q'TY
1	Motor	2.25 KW	1
2	Nut	5/16"	4
3	Spring Washer	5/16"	4
4	Motor Cord	12AGx3Cx69cm	1
5	Key	7x7x25	1
6	Motor Packing		1
7	Hanger	5/16"	2
8	Flange Bolt	5/16"x3/4"	18
9	Motor Plate		1
10	Hex Head Screw	5/16"x1"	4
11	Impeller		1
12	Set Screw	3/8"x3/4"	1
13	Impeller Washer		1
14	Cap Screw	M6x20	1
15	Main Housing		1
16	Phillips Head Screw	3/16"x3/8"	9
17	Wire Clip	UC4	2
18	Phillips Head Screw	M4x60	4
19	Reducing Motor		1
20	Connecting Wire	18AGx3Cx80cm	1
21	Nut	M5	2
22	Cap Screw	M5x12	2
23	Rod Kit		1
24	Flange Bolts	5/16"x1/2"	22
25	Canister Fixing Plate		1
26	Button Head Screw	M5x6	6
27	Phillips Head Screw	M5x8	8
28	Lower Fixing Plate		2
29	Ball Bearing	1206	2
30	Ball Bearing Fixing Plate		2
31	Canister Filter	370x1000	1
32	Rod		1
35B	Flapper		2
36B	Spindle		1
37B	Flange Bolts	M5x12	8
38	Phillips Head Screw	M5x8	8

39	Foam		1
40	Clamp		1
41	Plastic Bag		1
42	Open Wrench	10x12	1
43	Allen Wrench	M5	1
44	Long Nut	3/8"	2
45	Drum Lid		1
46	Foam		2
47	Hose Clamp		2
48	Hose	12"x200	1
49	Hose Clamp		4
50	Hose		2
51	Reducing Housing		1
52	Phillips Head Screw	1/4"x2-1/2"	2
53	Clamp		1
54	Housing		1
55	Chain		2
56	Cap		2
57	Inlet		1
58	Power Cord		1
59	Phillips Head Screw	3/16"x3/8"	2
60	Flat Head Screw	1/4"x1/2"	4
61	Switch Plate		1
62	Bushing	MP-16	1
63	Bushing	MP-20	3
64	Switch		1
65	Housing Cover		1
66	Button Head Screw	5/16"x1/2"	28
67	Handle		2
68	Left Stand Board		1
69	Center Upper Fixing Plate		1
70	Clear Pipe		1
71	Negative Pressure Gauge		1
72	Phillips Head Screw	1/4"x1/2"	2
73	Set Screw	3/16"x1/2"	1
74	Negative Pressure Gauge		1
75	Right Stand Board		1
76	Phillips Head Flange Screw	3/16"x3/8"	2
77	Quick Lever		2

78	Nut	3/8"	2
79	Fixing Board		1
80	Base		1
81	Fixing Wheel	3"	2
82	Movable Wheel	3"	2
83	Handle		1
84B	Packing		1
85B	PC Board		1
86	Rivet	4-2	12
87B	Upper Collecting Drum		1
88	Drum Clamp		1
89	Lower Collecting Drum		1
90	Wheel	2"	4
91	PE Bag		1
93	Nut	M5	4
94	Plate Fixing Block		2
95	Phillips Head Screw	3/16"x1/4"	1

**Certificate
of conformity with the following
European Directives**

Registered No.:
NM1105130001

Machinery Directive 2006/42/EC

Reference of applicant	Date of application	File reference	Test report No	Date of issue	Expiry date
	02.01.2013	TWR090626	TWR090626 001/002/005	09.01.2013	08.01.2018

This is to certify that the following product complies to all the provisions of the above mentioned European Directive and the following standards:

Product: Dust Collectors

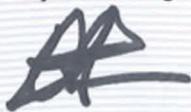
Type designation: UB-50P, UB-801C, UB-801F, UB-65, UB-80HD, UB-90D, UB-101HN, UB-103, UB-101, UB-201H, UB-201, UB-213, UB-802, UB-803, UB-202HD, UB-203HD, UB-807ECK, UB-810ECK, UB-207HD, UB-707ECK, UB-2100ECK, UB-3100ECK, UB-2200ECK, UB-3300ECK, UB-23SECK, UB-25SECK, UB-502, UB-312, UB-313, UB-503, UB-505, UB-23SDC, UB-25SDC, UB-807, UB-810, UB-707

Serial No.: Engineering sample

Applicant: Chang Tjer Machinery Co., Ltd.
No. 195-12, Chung Cheng Rd., Ta Ya Dist., Taichung 42850, Taiwan, R.O.C.

Standard(s): Annex I of Machinery Directive 2006/42/EC
EN 60335-1:2002 + A11:2004 + A1:2004+A12:2006 + A13: 2008

This Certificate of conformity is based on the evaluation of sample(s) of the above mentioned product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD Group. This is to certify that the tested sample is in compliance with the essential requirements referred to machinery directive 2006/42/EC. This certificate can be used by holder in connection with the EC declaration of conformity indicating conformity according to Machinery Directive.



Certification Department

TUV Asia Pacific Ltd. Taiwan Branch
Member of German TÜV NORD Group
Email: info.pc@tuv-nord.com
www.tuvnord.com.tw

The Status and authenticity of this certificate may be verified by visiting the official TUV Asia Pacific Ltd. Taiwan Branch website.
The certification system is based on ISO Guide 65.

The CE marking may be affixed on the product if all relevant and effective Directives are complied with.

The TÜV NORD Group is active in more than 70 countries in Europe, Asia, America and Africa. Headquarter of the TÜV NORD Group in Am TÜV 1, 30519 Hannover, Germany



Certificate of conformity with the following European Directives

Registered No.:
NL1105130001

Low-Voltage Directive 2006/95/EC

Reference of applicant	Date of application	File reference	Test report No.	Date of issue	Expiry date
	02.01.2013	TWR090626	TWR090626 002/005	09.01.2013	06.01.2018

This is to certify that the following product complies to all the provisions of the above mentioned European Directive and the following standards:

Product: Dust Collectors

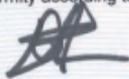
Type designation: UB-50P, UB-801C, UB-801F, UB-65, UB-80HD, UB-90D, UB-101HN, UB-103, UB-101, UB-201H, UB-201, UB-213, UB-802, UB-803, UB-202HD, UB-203HD, UB-807ECK, UB-810ECK, UB-207HD, UB-707ECK, UB-2100ECK, UB-3100ECK, UB-2200ECK, UB-3300ECK, UB-23SECK, UB-25SECK, UB-502, UB-312, UB-313, UB-503, UB-505, UB-23SDC, UB-25SDC, UB-807, UB-810, UB-707

Serial No.: Engineering sample

Applicant: Chang Tjer Machinery Co., Ltd.
No. 195-12, Chung Cheng Rd., Ta Ya Dist., Taichung 42850, Taiwan, R.O.C.

Standard(s): EN 60335-1:2002 + A11:2004 + A1:2004 + A12:2006 + A13: 2008

This Certificate of conformity is based on the evaluation of sample(s) of the above mentioned product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD Group. This is to certify that the tested sample is in compliance with the essential requirements referred to Low-Voltage Directive 2006/95/EC. This certificate can be used by holder in connection with the EC declaration of conformity indicating conformity according to Low Voltage Directive.



Certification Department

TUV Asia Pacific Ltd. Taiwan Branch
Member of German TÜV NORD Group
Email: info.pc@tuv-nord.com
www.tuvnord.com.tw

The Status and authenticity of this certificate may be verified by visiting the official TÜV Asia Pacific Ltd. Taiwan Branch website.
The certification system is based on ISO Guide 65.



The CE marking may be affixed on the product if all relevant and effective Directives are complied with.
The TÜV NORD Group is active in more than 70 countries in Europe, Asia, America and Africa. Headquarter of the TÜV NORD Group in Am TÜV 1, 30519 Hannover, Germany



The **Axminster guarantee** is available on Hobby, Trade, Industrial, Engineer, Air Tools & CNC Technology Series machines

It's probably the most comprehensive FREE guarantee ever- buy with confidence from Axminster!
So sure are we of the quality, we cover all parts and labour free of charge for three years!

- **Look for the icon and put your trust in Axminster**
- **No registration necessary - just keep your proof of purchase**
- **Optional Service Plan for Industrial Series machinery**



Great value & easy-to-use,
perfect for use at home



Solid, reliable machines
designed for daily use



Top performers with class leading features and
build quality for use in busy workshops



Quality, precision machines
for the workshop or education



Small machines for the home
engineer



Tools for home or workshop
use; durable and great value



Precision CNC machines for
industry and education

Free Three Year Guarantee on Axminster Hobby, Trade and Industrial Series woodworking and engineering machines, Axminster Air compressors and Air Tools, and bench top grinders - no registration necessary just proof of purchase.

We will repair or replace at our discretion and will collect only from a UK mainland address, irrespective of the original delivery address.

The Guarantee assumes that you have bought the correct machine for the required operation, in accordance with our guidelines; have operated and maintained it in accordance with the instruction manual; and that all cutting machines will be used with a blade which is sharp and serviceable at all times. It does not cover consumable items purchased with the original product, including original blades or abrasives.

For more information visit axminster.co.uk/3years

Normal wear and tear; misuse, abuse and neglect are excluded and the machine should not have been modified in any way. Please do not attempt to service the product without first contacting us; we are happy to guide you but failure to do so may invalidate the guarantee.

The Guarantee is transferable from owner to owner in the first three years but you must have original proof of purchase. Should we need to replace a machine in the first three years the guarantee will still continue to be effective from the original purchase date.

Full Terms and Conditions can be found at axminster.co.uk/terms

This guarantee does not affect your statutory rights.



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local recycling centre and place into the appropriate recycling bin.

Only for EU countries



Do not dispose of electric tools together with household waste material. In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Axminster Tools & Machinery Ltd
Weycroft Avenue, Axminster, Devon EX13 5PH

axminster.co.uk