TEST REPORT

For

Dongguan Huayu Automation Technology Co., Ltd.

Screen Printing Feeding Machine

Model: HY-767-1, HY-767, HY-767S, HY-767L, HY-230, HY-230ZP, HY-175, HY-320, HY-340, HY-R45, HY-T106, HY-324, HY-F12, HY-1000.

Test Report Number：WD21012020HS

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TEST REPORT
Council Directive 2006/42/EC, Annex I
Essential health and safety requirements relating to the design and construction of machinery and safety components

Report Reference No..... :	WD21012020HS
Compiled by (+ signature)..... :	Dylan .....
Review by (+ signature)..... :	Andy
Approved by (+ signature)..... :	Alex .....
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Contents..... :	17 pages

Testing laboratory

Name……:	Dongguan Wode Testing Co.,Ltd.
Address..... :	Building B,No.6 Gongye North Road,Songshan Lake(SSL) High-tech Zone,Dongguan523808,P.R.China

Client

Name..... :	Dongguan Huayu Automation Technology Co., Ltd.
Address..... :	A Building 168#, Changheng Road, Changping Town, Dongguan City, Guangdong Province, China

Test specification

Directive..... :	2006/42/EC
Standard..... :	Council Directive 2006/42/EC, Annex I
Test procedure ..... :	CE-MD

Test item

Description..... :	Screen Printing Feeding Machine
Model and/or type reference..... :	HY-767-1, HY-767, HY-767S, HY-767L, HY-230, HY-230ZP, HY-175, HY-320, HY-340, HY-R45, HY-T106, HY-324, HY-F12, HY-1000.
Main test type..... :	HY-767-1
Trademark..... :	HYOO
Manufacturer..... :	Dongguan Huayu Automation Technology Co., Ltd.
Address..... :	A Building 168#, Changheng Road, Changping Town, Dongguan City, Guangdong Province, China
Rating(s)..... :	380V AC, 50/60Hz

Copy of marking plate

Remarks:

The Importer's name and address shall be marked on the label before shipment.

Other information may be included if no misuse or misunderstanding.

Summary of testing:

The submitted samples were found to be in compliance with Council Directive 2006/42/EC, Annex I.

Possible test case verdicts:

- test case does not apply to the test object..... : N (N/A)
- test object does meet the requirement..... : P (Pass)
- test object does not meet the requirement..... : F (Fail)

Testing:

Date of receipt of test item :	Jan. 27, 2021
Date(s) of performance of tests:	Jan. 28, 2021 to Feb. 22, 2021
Testing location:	A Building 168#, Changheng Road, Changping Town, Dongguan City, Guangdong Province, China

General remarks:

This report shall not be reproduced except in full without prior approval of the company.
The test results presented in this report relate only to the item(s) tested.
"(see remark #)" refers to a remark appended to the report.
"(see Annex #)" refers to an annex appended the report.
Throughout this report a point is used as the decimal separator.
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General product information:

This machine is specially designed for 1 color automatic UV screen printer that is suitable for the printing for round, oval shaped plastic bottles. The equipment can handle the design and printing of mass mono-color and multi-color screen printing operations. Equipped with world famous PLC controller and convenient touch screen, therefore the whole operation becomes easy and simple. The screen printing machine is widely used by manufacturers in industries such as cosmetics, food, medicine, and other consumer goods. Automatic feeder (can save manpower and realize fully automatic production).

Model	Supply	Equipment size (mm)	Weight (KG)	Working Platform Size (mm)	Other differences
HY-767	380V/480V 3phase 50Hz/60Hz 5.4kW	2300x1800x1700mm	1600KG	2300x1800mm	
HY-767S	380V/480V 3phase 50Hz/60Hz 5kW	2300x1800x1700mm	1600KG	2300x1800mm	
HY-767L	380V/480V 3phase 50Hz/60Hz 5.4kW	2300x1800x1700mm	1600KG	2300x1800mm	
HY-230	380V/480V 3phase 50Hz/60Hz 4.5kW	2600x1700x1900mm	1500KG	2600x1700mm	
HY-230ZP	380V 3Phase 50Hz 4.5kW	2600x1700x1900mm	1400Kg	2600x1700mm	
HY-175	380V/480V 3phase 50Hz/60Hz 3.8KW/4.6kW	2500x1700x1900mm	1400KG	2500x1700mm	
HY-320	380V/480V 3phase 50Hz/60Hz 15kW	2300x2300x2350mm	3500KG	2300x2300mm	
HY-340	380V/480V 3phase 50Hz/60Hz 5.4kW	2300x1800x1700mm	1600KG	2300x1800mm	
HY-R45	380V/480V 3phase 50Hz/60Hz 7kW	1100x2500x1700 mm	2000KG	1100x2500mm	
HY-T106	380V/480V 3phase 50Hz/60Hz 3.2kW	3150x1250x1900mm	1000KG	3150x1250mm	
HY-324	380V/480V 3phase 50Hz/60Hz 3.8KW/4.6kW	4950x3150x2350mm	2500KG	4950x3150mm	
HY-F12	380V/480V 3phase 50Hz/60Hz 3.2kW	2400x1200x1700 mm	1000KG	2400x1200mm	
HY-1000	380V 3phase 50Hz 20kW	7000x2900x2000mm	2500KG	7000x2900mm	

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
1	**Essential Health and Safety Requirements**		--
1.1	**General remarks**		--
1.1.1	Definitions	Information only	P
1.1.2	Principles of safety integration	All safety principles considered in lifetime of the AGV. Eliminate and reduce any risk throughout the foreseeable lifetime of the AGV. Use appropriate methods and order to eliminate and reduce any risk. The AGV have been designed and constructed in such a way as to prevent abnormal use and consider the constraint conditions of operator's operation. Accessories essential supplied to enable it to be adjusted, maintained and used safely.	P
1.1.3	Materials and products	The AGV comprise of metal, It was designed and constructed without risks due to foreseeable process.	P
1.1.4	Lighting	Enough lighting provided by user	N
1.1.5	Design of machinery to facilitate its Handling	Wood packaging and vehicle transporting used and structure designed for easy handling. They can be stored safely and without damage according to the package drawing. Equipment provided hook for moving and handing Such information was mentioned in the instruction manual.	P

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
1.1.6	Ergonomics	Under the intended conditions of use, the discomfort, fatigue and physical and psychological stress faced by the operator have been reduced to the minimum possible,	P
1.1.7	Operating positions	Appropriate operating positions provided, not any hazard risen	P
1.1.8	Seating	Need not provide the seating	N
1.2	**Control system**	See below	P
1.2.1	Safety and reliability of control systems	Control systems have been designed in a such way as to prevent hazardous situations from arising. See EN 1175-1 safety report.	P
1.2.2	Control devices	Control devices have been designed to clearly visible and identifiable and operate safely, and not arise hazard conditions, and withstand foreseeable force See EN 1175-1 safety report	P
1.2.3	Starting	Comply with requirements See EN 1175-1 safety report	P
1.2.4	Stopping devices	Comply with requirements See EN 1175-1 safety report	P
	Normal stopping	Comply with requirements See EN 1175-1 safety report	P
	Operation stopping	Comply with requirements See EN 1175-1 safety report	P
	Emergency stop	Comply with requirements See EN 1175-1 safety report	P
	Assembly of machinery	Not such machinery	N

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
1.2.5	Selection of control or operating modes	The control or operating mode selector can simultaneously: — disable all other control or operating modes, — permit operation of hazardous functions only by control devices requiring sustained action, — permit the operation of hazardous functions only in reduced risk conditions while preventing hazards from linked sequences, — prevent any operation of hazardous functions by voluntary or involuntary action on the machine's sensors. See EN 1175-1 safety report	P
1.2.6	Failure of the power supply	The interruption, the reestablishment after an interruption or the fluctuation in whatever manner of the power supply to the machinery have not lead to dangerous situations See EN 1175-1 safety report	P
1.3	**Protection against mechanical hazards**	See below	P
1.3.1	Risk of loss of stability	Square construction and low center of gravity, and ensure stability, no overturn, drop and movement in lifetime	P
1.3.2	Risk of break-up during Operation	Not arise hazard during operation, enough thickness metal enclosure provied safeguard	P
	The various parts of machinery and their linkages must be able to withstand the stress to which they are subject when used as foreseen by the manufacturer	All parts used are equipped with sufficient stress for working.	P

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
	The durability of the materials used must be adequate for the nature of the workplace foreseen by the manufacturer, in particular as regards the phenomena of fatigue, aging, corrosion and abrasion	All materials used have adequate durability.	P
	The manufacturer must indicate in the instructions the type and frequency of inspection and maintenance required for safety reasons, where appropriate, indicate the parts subject to wear and the criteria for replacement	This information in relation to inspection and maintenance etc. are indicated in the instruction manual.	P
	Where a risk of rupture or disintegration remains despite the measures taken the moving parts must be mounted and positioned in such a way that in case of rupture their fragments will be contained		P
	Both rigid and flexible pipes carrying fluids, particularly those under high pressure, must be able to withstand the foreseen internal and external stresses and must be firmly attached and/or protected against all manner of external stresses and strains; precaution must be taken to ensure that no risk is posed by a rupture	No fluids is used	N
	Where the material to be processed is fed to the tool automatically, the following conditions must be fulfilled to avoid risks to the persons exposed:		N
	- When the work piece comes into contact with the tool the later must have attained its normal working conditions		N
	- When the tool starts and/or stops the feed movement and the tool movement must be coordinated		N
1.3.3	Risks due to falling or ejected Objects	Safety guard was used to protect this risk.	P
1.3.4	Risks due to surfaces, edges or angles	All parts have been processed carefully so that they have no sharp edges, no sharp angles, and no rough surfaces likely to cause injury	P

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
1.3.5	Risks related to combined machinery	No parts to be removed during operation No combined machinery hazard	N
1.3.6	Risks relating to variations in the operating conditions	Selection and adjustment of these conditions can be carried out safely and reliably	P
1.3.7	Prevention of risks related to moving parts	Outer surface of fixed and interlocking guards can not cause hazard. Additional, warning symbol provided on outer surface of enclosure and on hazard area, and then manual describle safety notice item.	P
1.3.8	Choice of protection against risks related to moving parts	Fixed and warning symbol provided	P
1.3.8.1	Moving transmission parts	Fixed guards used Opened with the tool only	P
1.3.8.2	Moving parts directly involved in the process	Fixed and warning symbol provided	P
1.3.9	Risks of uncontrolled movements	Can't present hazard	N
1.4	**Required characteristics of guard and protection devices**	See below	P
1.4.1	General requirements	Enough thickness metal guard provided Comply with these general requirements	P
1.4.2	Special requirements for guards		P
1.4.2.1	Fixed guards	Fixed on proper position Opened with the tool only	P
1.4.2.2	Interlocking movable guards	No such protection device	N
1.4.2.3	Adjustable guards restricting access	No such protection device	N
1.4.3	Special requirements for protection devices	No such protection device	N
1.5	**Protection against other hazards**	See below	

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
1.5.1	Electricity supply	All electrical parts, protecting by enclourse and reinforced insulation construction used. Overcurrent, overvoltage, overload, and undervoltage protection provided by circuit breaker. No residual voltage hazard No electric shock hazard All connection comply with requirements, identification correct. The details see EN60204- 1 safety report	P
1.5.2	Static electricity		N
1.5.3	Energy supply other than electricity	No energy other than electricity	N
1.5.4	Errors of fitting	Machine design to avoid assembly Errors. machine assembly by manufacturer relevant identification and tag provided	P
1.5.5	Extreme temperature	Use a fan to cool down	P
1.5.6	Fire	No fire hazard	N
1.5.7	Explosion	No explosion source	N
1.5.8	Noise	Less than 65dB	P
1.5.9	Vibration	No vibration hazard	N
1.5.10	Radiation	No such radiation hazard	N
1.5.11	External radiation	No external radiation hazard	N
1.5.12	Laser equipment	Laser type: Class I	P
1.5.13	Emission of dust, gases, etc.	No emission of any substance	N
1.5.14	Risk of being trapped in a machine	No such hazard	N
1.5.15	Risk of slipping, tripping or falling	No such hazard	N

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
1.5.16	Lightning	Enough lighting provided by the user	N
1.6	**Maintenance**		P
1.6.1	Machinery maintenance	Safety maintenance requirements presented in instruction Adjustment, and maintenance under disconnecting power and no hazard to person	P
1.6.2	Access to operating position and servicing points	Allow access in safety	P
1.6.3	Isolation of energy source		N
1.6.4	Operator intervention	Maintenance by skilled person	P
1.6.5	Cleaning of internal parts	Safety cleaning procedure presented in instruction	P
1.7	**INFORMATION**	See below	P
1.7.1	Information and warnings on the machiner	Easy to understand Information devices including indicator light	P
1.7.1.1	Information and information devices	Indicator light and voice devices used, easy to understand information	P
1.7.1.2	Warning devices	Warning label used in area of hazard guard	P
1.7.2	Warning of residual risks	Comply with the requirement	P
1.7.3	Marking	See Marking of machinery; Comply with the requirement	P
1.7.4	Instructions	See below	P
1.7.4.1	General principles for the drafting of instructions	English provided; The translations must bear the words “Translation of the original instructions’. The instructions describe compactly and clearly and popularly, and easy understood.	P

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
1.7.4.2.	Contents of the instructions	After contents of the instruction checked, It complied with these requirements	P
1.7.4.3	Sales literature	Not contradict the instructions as regards health and safety aspects	P

2.	**Essential Health and Safety Requirements for Certain Categories of Machinery**		--
2.1	FOODSTUFFS MACHINERY AND MACHINERY FOR COSMETICS OR PHARMACEUTICAL PRODUCTS	The machine is not used in food processing industry	N
2.1.1.	General		N
2.1.2.	Instructions		N
2.2	**Portable hand-held and/or hand-guided machinery**	The machine is not a portable hand-held or hand-guided type	N
2.2.1	General		N
2.2.1.1	Instructions		N
2.2.2	Portable fixing and other impact machinery		N
2.2.2.1	General		N
2.2.2.2	Instructions		N
2.3	MACHINERY FOR WORKING WOOD AND MATERIAL WITH SIMILAR PHYSICAL CHARACTERISTICS	The machine is not used in the wood working industry	N

3.	Essential Health and Safety Requirements to Offset due to the Mobility of Machinery		--
3.1	**General**	The machine is not intended for mobility application	N
3.1.1	Definition	Information only	N
3.2	**Work stations**		N

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
3.2.1	Driving position		N
3.2.2	Seating		N
3.2.3	Other places		N
3.3	**Controls**		N
3.3.1	Control devices		N
3.3.2	Starting/moving		N
3.3.2	Starting/moving		N
3.3.3	Travelling function		N
3.3.4	Movement of pedestrian-controlled machinery		N
3.3.5	Control circuit failure		N
3.4	**Protection against mechanical hazards**		N
3.4.1	Uncontrolled moverments		N
3.4.2	Moving transmission parts		N
3.4.3	Roll-over and tip-over		N
3.4.4	Fallig objects		N
3.4.5	Means of access		N
3.4.6	Towing devices		N
3.4.7	Transmission of power between self-propelled machinery (or tractor) and recipient machinery		N
3.5	**Protection against other hazards**		N
3.5.1	Batteries		N
3.5.2	Fire		N
3.5.3	Emissions of dust, gases, etc.		N
3.6	**INFORMATION AND INDICATIONS**		N
3.6.1	Signs, signals and warnings		N
3.6.2	Marking		N

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
3.6.3	Instruction handbook		N

4.	**Essential Health and Safety Requirements to Offset the Particular Hazards due to a Lifting Operation**		--
4.1	**General remarks**	The machine is not intended for any lifting operations	N
4.1.1	Definition	Information only	N
4.1.2	Protection against mechanical hazards		N
4.1.2.1	Risk due to lack of stability		N
4.1.2.2	Machinery running on guide rails and rail tracks		N
4.1.2.3	Mechanical strength		N
4.1.2.4	Pulleys, drums, wheels, ropes and chains		N
4.1.2.5	Lifting accessories and their components		N
4.1.2.6	Control of movements		N
4.1.2.7	Movements of loads during handling		N
4.1.2.8	Machinery serving fixed landings		N
4.2	**Special requirements for machinery whose power source is other than manual effort**		N
4.2.1	Control of movements		N
4.2.2	Loading control		N
4.2.3	Installations guided by ropes		N
4.3	**INFORMATION AND MARKINGS**		N
4.3.1	Chains, ropes and webbing		N
4.3.2	Liftin accessories		N
4.3.3	Lifting machinery		N
4.4	**Instruction**		N
4.4.1	Lifting accessories		N

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
4.4.2	Lifting machinery		N

5.	**Essential Health and Safety Requirements for Machinery Intended for Underground Work**		--
5.1	Risks due to lack of stability	The machine is not intended for underground work	N
5.2	Movement		N
5.3	Control devices		N
5.4	Stopping		N
5.5	Fire		N
5.6	Emissions of dust, gases, etc.		N

6	**SUPPLEMENTARY ESSENTIAL HEALTH AND SAFETY REQUIREMENTS FOR MACHINERY PRESENTING PARTICULAR HAZARDS DUE TO THE LIFTING OF PERSONS**		--
6.1	GENERAL		N
6.1.1	Mechanical strength		N
6.1.2	Loading control for machinery moved by power other than human strength		N
6.2	CONTROL DEVICES		N
6.3	RISKS TO PERSONS IN OR ON THE CARRIER		N
6.3.1	Risks due to movements of the carrier		N
6.3.2	Risk of persons falling from the carrier		N
6.3.3	Risk due to objects falling on the carrier		N
6.4	MACHINERY SERVING FIXED LANDINGS		N
6.4.1	Risks to persons in or on the carrier		N
6.4.2	Controls at landings		N

Council Directive 2006/42/EC Annex I EHSR			
Clause	**Requirement**	**Test Result**	**Remark Verdict**
6.4.3	Access to the carrier		N
6.5	MARKINGS		N

Photos

Photo 1 Front view

Photo 2 Rear view

Photo 3 Control panel

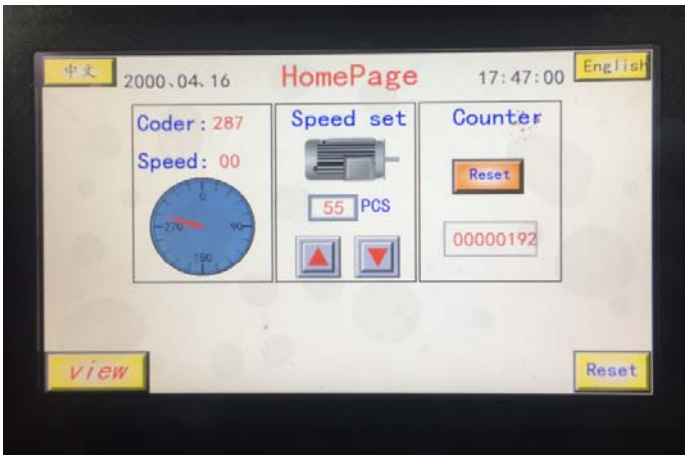

Photo 4 System setting interface

Photo 5 Control box-1

Photo 6 warning mark

The photos are limited to the use of the original report.

* END *