



CENTER FOR TESTING AND EUROPEAN CERTIFICATION LTD

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LABORATORY FOR TESTING OF MACHINERY, EQUIPMENT AND DEVICES

Certificate of accreditation № 101 ЛИ / 22.11.2019, valid until: 26.11.2022
Issued by EA BAS, in accordance with the requirements of BDS EN ISO/IEC 17025:2018



TEST REPORT

№ 2ae-20-248 / 28.02.2020

OBJECT TO BE TESTED: Machinery, equipment and devices –

Machine for direct printing on cotton Flatdog white Smart, Model- FlatDog Smart Evolution
(name of object to be tested, type, model, quantity, type – portable, fixed, for walling in and other)

APPLICANT FOR TEST: " Studio Grif " Ltd., Bulgaria, Plovdiv, 136 Maritsa Str., ZIP 4000

Tel.: +359 887 629 283, e-mail: contact@flatdog.eu ;
Application № 248/20.01.2020
(name of the firm – applicant, address, telephone, number and date of the test application)

METHOD OF TEST : BDS EN 60204-1:2006+A1:2009 Safety of machinery - Electrical equipment of machines –
Part 1: General requirements

BDS EN 60529+A1:2004 Degrees of protection provided by enclosures (IP Code)
BDS EN 60990:2006 Methods of measurement of touch current and protective conductor current
(number and name of the standards)

DATE OF ACCEPTANCE IN THE TEST LABORATORY: 12.02.2020

CODE OF THE OBJECT: 00006 ;

(identification number)

YEAR OF PRODUCTION : 2020

MANUFACTURER: " Studio Grif " Ltd., Bulgaria, Plovdiv, 136 Maritsa Str., ZIP 4000

Tel.: +359 887 629 283, e-mail: contact@flatdog.eu ;
(firm, trade mark, address)

DECLARED TECHNICAL DATA: Rated voltage: 220 VAC
Rated frequency: 50-60 Hz
Rated current: 3 A

DATE OF TEST PERFORMANCE : 12.02.2020

HEAD OF THE LABORATORY:.....

/ T. Hristov /



The results showed in present test report concern tested sample only
The test report shall not be reproduced except in full, without written approval of the laboratory

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FLATDOG.eu
COTTON PRINT MACHINE

тел. 0887 629 283
email: contact@flatdog.eu
web: www.flatdog.eu

Производител: Студио Гриф ООД
България, 4000 Пловдив,
бул. Марица 136

Модел: Flatdog Smart Evolution

Сериен номер: 00006

Дата на производство: 01.2020

Номер на елсхема: GRIFPRN7

Напрежение/честота: 220 V, 50 Hz, монофазен

Максимален товар: 3A

Максимален ток
на късо съединение: 6000 A

Тегло: 120 кг.

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**LABORATORY FOR TESTING OF MACHINERY, EQUIPMENT AND DEVICES
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RESULTS :

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Test report : № 2ae-20-248 / 28.02.2020

№	Factor name	Units	Standard method	№ of sample	Test results (indetermination)	Factor volume and tolerance	Test conditions
1.	Protective conductor current	mA	BDS EN 60990:2006 cl. 8	248	1,12±0,01	BDS EN 60204-1:2006+A1:2009 cl. 8.2.8 10 mA	-
2.	Protection against ingress of foreign bodies and moisture resistance. (IP-code)	m	BDS EN 60529+A1:2004 cl. 13 cl. 14	248	IP 22 top surfaces IP 4X	BDS EN 60204-1:2006+A1:2009 cl.11.3 ≥ IP 22 top surfaces of the enclosure are readily accessible ≥ IP 4X	-
3.	Continuity of the protective bonding circuit /Provision for earthing/ (Resistance between the earthing terminal and accessible parts)	-	BDS EN 60204-1 2006+A1:2009 cl. 18.2.2	248	-	BDS EN 60204-1 2006+A1:2009 cl. 18.2.2	-
3.1	Test 1 Continuity of the protective bonding circuit	Ω	BDS EN 60204-1 2006+A1:2009 cl. 18.2.2	248	0,012± 0,003	БДС EN 60204-1 2006+A1:2009 таб.А.3 $R_{PE} \leq 50/I_a$ or $R_{PE} \leq 7,9 \Omega$	Ia – 6,3 A
3.2	Test 2 – Fault loop impedance	Ω	BDS EN 60529+A1:2004 cl. 13 cl. 14	248	-	EN 60204-1 2006+A1:2009 cl. 18.2.2	k- 10

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№	Factor name	Units	Standard method	№ of sample	Test results (indetermination)	Factor volume and tolerance	Test conditions
4.	Insulation resistance	MΩ	BDS EN 60204-1 2006+A1:2009 cl. 18.3	248	999,9 ±0,1	BDS EN 60204-1 2006+A1:2009 cl. 18.3 ≥ 1	U = 500 V DC
5.	Electric strength /Voltage tests/ (Dielectric strength of the insulation)	-	BDS EN 60204-1 2006+A1:2009 cl. 18.4	248	withstands 1000 V for 15 s	BDS EN 60204-1 2006+A1:2009 cl. 18.4 The requirements are satisfied if no disruptive discharge occurs	U = 1000 V AC f = 50 Hz t ≥ 1 s
6.	Protection against residual voltages	s	BDS EN 60204-1 2006+A1:2009 cl. 18.5	248	0,0 ± 0,1	BDS EN 60204-1 2006+A1:2009 cl. 18.5; cl.6.2.4 U = 60 V time < 1 s	-

Used technical equipments:

№	Designation	Type	Manufacturer	Identification №	Date of last calibration
1.	Appliance multimeter	CA6160	CHAUVIN ARNOUX France	16010173	20.03.2017
2.	Digital multimeter	UNIGOR 390	LEM- Austria	PI 3288	20.03.2017
3.	Microhmmeter	C.A 6250	CHAUVIN ARNOUX France	1811ST030731A	20.03.2017
4.	Termometer-higrometer	177-H1	TESTO Germany	01320300/902	17.04.2018
5.	Digital multifunction tester	1653	FLUKE Germany	9738063	04.10.2017
6.	Testing finger with articulation	-	Bulgaria	№ 006	21.07.2017
7.	Testing wire (ø1mm;L=100mm)	-	Bulgaria	№ 066	21.07.2017
8.	Roulett	GW-285W	China	041213	06.02.2019

TEST PERFORMER: 1.....

/ St. Srebranov /

2.....

/ D. Chavalinov /

HEAD OF THE LABORATORY:.....

/ T. Hristov /



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