



**LABORATORY FOR TESTING OF MACHINERY,
EQUIPMENT AND DEVICES
CENTER FOR TESTING AND EUROPEAN CERTIFICATION LTD**



ИА "BCA"
Пер.№ 101 ЛИ
ЛАБОРАТОРИЯ ЗА
ИЗПИТВАНЕ
Accredited certificate
№ 101 ЛИ / 30.09.2016
Valid until: 24.11.2018
of EA BAS, according
EN ISO/IEC 17025

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TEST REPORT

№ 2ae-17-655 / 31.08.2017

OBJECT TO BE TESTED: Machinery, equipment and devices –
Stationary slot milling rig, Model – TEKTA TM-R2
(name of object to be tested, type, model, quantity, type – portable, fixed, for walling in and other)

APPLICANT FOR TEST: "Stoa Ltd., 3A Ivan Burimechkata Str, 1756 Sofia, Bulgaria,
Tel.: +359 2 9744888,
Application № 655/07.08.2017
(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: The product is tested in "Stoa" Ltd.,
Sofia, Bulgaria

CODE OF THE OBJECT: TMR2.100.054; **YEAR OF PRODUCTION :** 2017
(identification number, year of production)

MANUFACTURER: "Stoa Ltd., 3A Ivan Burimechkata Str, 1756 Sofia, Bulgaria,
Tel.: +359 2 9744888
(firm, trade mark, address)

DECLARED TECHNICAL DATA: Rated voltage: 220 V
Rated frequency: 60 Hz
Power consumption: 1,7 kW
Ingress Protection Rating – IP42

DATE OF TEST PERFORMANCE : 30.08.2017

LABORATORY CHIEF :
/ T. Hristov /



**The results showed in present certificate concern tested sample only
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laboratory**



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RESULTS :

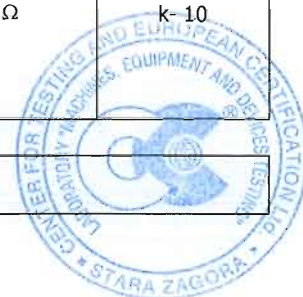
Стр. 2 от 3

Test report : № 2ae-17-655 / 31.08.2017

№	Factor name	Units	Standard method	№ of sample	Test results (indetermination)	Factor volume and tolerance	Test conditions
1.	Dimensions	m	BDS EN 60204-1:2006+A1:2009 cl. 5.3.4	655	-	BDS EN 60204-1:2006+A1:2009 cl. 5.3.4 operating means from 0,6 m to 1,9 m	-
2.	Protective conductor current	mA	BDS EN 60990:2006 cl. 8	655	0,06	BDS EN 60204-1:2006+A1:2009 cl. 8.2.8 10 mA	-
3.	Protection against ingress of foreign bodies and moisture resistance. (IP-code)	m	BDS EN 60529+A1:2004 cl. 13 cl. 14	655	IP 42	BDS EN 60204-1:2006+A1:2009 cl.11.3 \geq IP 22 top surfaces of the enclosure are readily accessible \geq IP 4X	-
4.	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	655	-	BDS EN 60204-1 2006+A1:2009 cl. 18.2.2	-
4.1	Test 1 Continuity of the protective bonding circuit	Ω	BDS EN 60204-1 2006+A1:2009 cl. 18.2.2	655	0,017	BDS EN 60204-1 2006+A1:2009 tab.A.3 $R_{PE} \leq 50/I_a$ or $R_{PE} \leq 3,125 \Omega$	Ia – 16 A
4.2	Test 2 – Fault loop impedance	-	BDS EN 60529+A1:2004 cl. 13 cl. 14	655	-	BDS EN 60204-1 2006+A1:2009 cl. 18.2.2 $R_{PE} \leq 230 /I_a * K$ $R_{PE} \leq \Omega$	k- 10

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Стр. 3 от 3

Test report : № 2ae-17-655 / 31.08.2017

№	Factor name	Units	Standard method	№ of sample	Test results (indetermination)	Factor volume and tolerance	Test conditions
5.	Insulation resistance	MΩ	BDS EN 60204-1 2006+A1:2009 cl. 18.3	655	999,9	BDS EN 60204-1 2006+A1:2009 cl. 18.3 ≥ 1	U = 500 V DC
6.	Electric strength / Voltage tests / (Dielectric strength of the insulation)	-	BDS EN 60204-1 2006+A1:2009 cl. 18.4	655	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
7.	Protection against residual voltages	s	BDS EN 60204-1 2006+A1:2009 cl. 18.5	655	0 s	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	218-H1	TESTO Germany	01320300/902	17.04.2015
5.	Digital multifunction tester	1653	FLUKE Germany	9738063	17.03.2015
6.	Testing for protection against spraing and splashing water with inside diameter 6,3 mm	-	Bulgaria	№ 004	21.07.2017
7.	Testing wire (ø1mm;L=100mm)	-	Bulgaria	№ 066	21.07.2017
8.	Roulett	GW-285W	China	041213	05.02.2016

TEST PERFORMER: 1.....

/ St. Stiebranov /

2.....

/ D. Chavalinov /

HEAD OF LABORATORY:.....

/ T. Hristov /

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