



PRODUCT CERTIFICATION
BODY
Notification of European Commission
NB 1802

CEPROM[®] S.A.

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accredited for
CERTIFICATION



SR EN ISO/CEI:17065:2013
ACCREDITATION CERTIFICATE
No. ON 017/2017



EC TYPE-EXAMINATION CERTIFICATE

No. 220-ET-12021.A1

Technical File no. 220-ET-12021.A1/KDT-2021003-A2

Applicant:

**GUANGZHOU
KDT MACHINERY CO., LTD.**
No. 3, Yunkai Road, Yunpu Industrial Park,
Huangpu District, Guangzhou, China

Manufacturer:

**GUANGZHOU
KDT MACHINERY CO., LTD.**
No. 3, Yunkai Road, Yunpu Industrial Park,
Huangpu District, Guangzhou, China

Description of product:

Machine type: **ENGRAVING MACHINE**

Models: **See Annex**

Certification procedure: EC Type-Examination

Reference standards: EN ISO 12100:2010, EN 60204-1:2018, EN ISO 19085-3:2017

Based on our assessment we confirm that the products are in accordance with the technical requirements of the above standards and hence fulfils the technical requirements of the

Machinery Directive 2006/42/EC

The CE mark as show joined can be used, under the responsibility of the manufacturer or the importer, after completion of the CE Declaration of Conformity and in accordance with the above directive.



This certificate is only valid for the product and configuration described (annex), in conjunction with the detailed test data and with all applicable legal requirement for the product.

Maintaining certification is based on compliance with the requirements of certification contract.

Annex: Product identification – 11 pages

Issuing Date: 16.07.2021

Update: 17.02.2023

Expiry Date: 15.07.2026



EUROPEAN UNION
Satu Mare, ROMANIA



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BODY

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ANNEX
to the EC type Examination Certificate No. 220-ET-12021.A1

PRODUCT IDENTIFICATION

The Product:

ENGRAVING MACHINE

*models:

**KN-3713D, KN-3710D, KN-3713DE, KN-3713E, KN-3710DE,
KN-3612DE, KN-3510DE, KN-3409DE, KN-3710E, KN-3612E,
KN-3409E, KN-3409L, KN-3409R, KN-5516, KN-5510,
KN-6516C, KN-6410C, KN-6410, KD-812A, KD-868A,
KD-812HA, KD-868HA, KD-612KSA, KD-612KHSZ,
KD-612KHSZA, KD-612KSZA, KD-612KSZ, KD-612KHSZ,
KD-612KHS, KD-612KS, KD-612KHC, KD-612GH, KD-612KH,
KD-612KZ, KD-612KHZ, KD-610HZ, KD-612K, KD-610H,
TF600KS, TF600KA, TF600KT, TF600KE, TF600KM
KHM-660, KHM-660B, KHM-620, KHM-625, KHM-630**

*type assessed:

KN-3713D, Serial no. 5713210500151

*manufactured by:

GUANGZHOU KDT MACHINERY CO., LTD.

*headquarters address:

No. 3, Yunkai Road, Yunpu Industrial Park, Huangpu District, Guangzhou, China

*place of manufacture:

No. 3, Yunkai Road, Yunpu Industrial Park, Huangpu District, Guangzhou, China

*domain of use:

**This machine is mainly used for the routing, blanking of various types of
artificial panel, solid wood panel, semi-solid wood panel.**

Technical File content:

- General description of the machinery;
- Specification with the constructive and functional characteristics;
- General drawing and drawings of the control circuits;
- Full detailed drawings required to check the conformity;
- Stability calculations;
- The documentation on risk assessment;
- The list of standards used;
- Technical report giving the results of the test;
- Instruction manual;
- Declaration of conformity;
- The internal measures implemented to ensure machinery conformity with MD.

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>KN-3710D</i>	<i>KN-3713D</i>	<i>KN-3713DE</i>	<i>KN-3713E</i>	<i>KN-3710DE</i>
Total Power	kW	32.8	32.8	31.6	29.4	31.1
Machine Size (L*W*H)	mm	4500*3350*2415	5660*3350*2415	5660*3350*2415	5660*3350*2415	4500*3350*2415
Spindle Power	kW	13.2	13.2	12	12	12
Drill heads	V	10	10	10	-	9V
Tools numbers	pcs	12	12	12	12	12
Table Size	mm	3100*2150	4260*2150	4260*2150	4260*2150	3100*2150mm
Working size	mm	3100*2150*100	4260*2150*100	4260*2150*100	4260*2150*100	3100*2150*100
Max Moving Speed X/Y/Z	m/min	80/80/30	80/80/30	80/80/30	80/80/30	80/80/30
Vacuum capacity	m ³ /h	244*2	244*2	244*2	244*2	244*2
Servo power X/Y/Z	kW	1.5*2/1.5/1.5	1.5*2/1.5/1.5	1.5*2/1.5/1.5	1.5*2/1.5/1.5	1.5*2/1.5/1.5
Pressure	MPa	0.65	0.65	0.65	0.65	0.65
Voltage	Vac	380	380	380	380	380

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

Model	M.U.	KN-3612DE	KN-3510DE	KN-3409DE	KN-3710E	KN-3612E
Total Power	kW	31.6	31.6	26.1	29.4	29.4
Machine Size (L*W*H)	mm	5100*3025*2415	4500*2765*2415	4260*2430*2415	4500*3350*2415	5100*3025*2415
Spindle Power	kW	12	12	12	12	12
Drill heads	V	10	10	10	-	-
Tools numbers	pcs	12	12	12	12	12
Table Size	mm	3700*1830	3100*1560	2860*1260	3100*2150	3700*1830
Working size	mm	3700*1830*100	3100*1560*100	2860*1260*100	3100*2150*100	3700*1830*100
Max Moving Speed X/Y/Z	m/min	80/80/30	80/80/30	100/100/30	80/80/30	80/80/30
Vacuum capacity	m ³ /h	244*2	244*2	244	244*2	244*2
Servo power X/Y/Z	kW	1.5*2/1.5/1.5	1.5*2/1.5/1.5	1.5*2/1.5/1.5	1.5*2/1.5/1.5	1.5*2/1.5/1.5
Pressure	MPa	0.65	0.65	0.65	0.65	0.65
Voltage	Vac	380	380	380	380	380

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

Model	M.U.	KN-3409E	KN-3409R	KN-5516	KN-5510	KN-6516C
Total Power	kW	23.9	23.1	29.5	29.1	27.25
Machine Size (LxWxH)	mm	4260*2430*2415	3610*2430*2415	7830*4365*3100	5930*4365*3100	7830*3530*2500
Spindle Power	kW	12	12	12	12	13.2
Drill heads	-	-	-	12V+8H+1S	12V+8H+1S	12V+8H+1S
Tools numbers	pcs	12	24	22+16+5+1	22+5	16
Table Size	mm	2860*1260	2860*1260	-	-	-
Working size	mm	2860*1260*100	2860*1260*50	5150*1500*200	3250*1500*200	5150*1500*200
Max Moving Speed X/Y/Z	m/min	100/100/30	45/60/30	80/80/25	80/80/25	80/80/30
Vacuum capacity	m ³ /h	244	244	244	160	160
Servo power X/Y/Z	kW	1.5*2/1.5/1.5	1.8/1.5/1.5	1.3*2/1.3/1.8	1.3*2/1.3/1.8	1.3*2/1.3/1.3
Pressure	MPa	0.65	0.65	0.65	0.65	0.65
Voltage	Vac	380	380	380	380	380

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>KN-6410C</i>	<i>KN-6410</i>	<i>KN-3409L</i>	<i>KD-812A</i>
<i>Total Power</i>	<i>kW</i>	26.82	26.07	23.5	59.5
<i>Machine Size (LxWxH)</i>	<i>mm</i>	5055*3090*2715	5055*3090*2715	4260*2430*2485	8132*4920*2190
<i>Spindle Power</i>	<i>kW</i>	13.2	13.2	12	2*5.5+2*3.5
<i>Drill heads</i>	-	12V+8H+1S	12V+8H+1S	-	Upper drill package: Main Work station: 32V+12H Additional Work station: 32V+12H Bottom drill package: Main Work station: 9V Additional Work station: 9V
<i>Tools numbers</i>	<i>pcs</i>	16	16	12	106
<i>Table Size</i>	<i>mm</i>	-	-	2860*1260	/
<i>Working size</i>	<i>mm</i>	3250*1250*200	3250*1250*200	2860*1260*50	Panel Length: 250~2800 Panel Width : Main Work station: 50~1220 ; Additional Work station: 50~800 Panel Thickness: 9~60
<i>Max Moving Speed X/Y/Z</i>	<i>m/min</i>	80/75/30	80/75/30	100/100/30	140/90/50
<i>Vacuum capacity</i>	<i>m³/h</i>	160	160	244	900
<i>Servo power X/Y/Z</i>	<i>kW</i>	1.8/1.3/1.3	1.8/1.3/1.3	1.5*2/1.5/1.5	0.75/1.5/1.5
<i>Pressure</i>	<i>MPa</i>	0.65	0.65	0.65	0.6
<i>Voltage</i>	<i>Vac</i>	380	380	380	380

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>KD-812HA</i>	<i>KD-868A</i>	<i>KD-868HA</i>	<i>KD-612KSA</i>
<i>Total Power</i>	<i>kW</i>	59.5	59.5	59.5	30.12
<i>Machine Size (LxWxH)</i>	<i>mm</i>	8132*4920*2190	8132*4000*2190	8132*4300*2190	8132*3650*2190
<i>Spindle Power</i>	<i>kW</i>	2*5.5+2*3.5	2*5.5+2*3.5	2*5.5+2*3.5	5.5+3.5
<i>Drill heads</i>	-	Upper drill package: Main Work station: 26V+12V+1S Additional Work station: 26V+12V+1S Bottom drill package: Main Work station: 9V Additional Work station: 9V	Upper drill package: Main Work station: 32V+12H Additional Work station: 32V+12H Bottom drill package: Main Work station: 9V Additional Work station: 9V	Upper drill package: Main Work station: 26V+12V+1S Additional Work station: 26V+12V+1S Bottom drill package: Main Work station: 9V Additional Work station: 9V	Upper drill package: 26V+12H Bottom drill package: 9V
<i>Working size</i>	<i>mm</i>	Panel Length: 250~2800 Panel Width : Main Work station: 50~1220 Additional Work station: 50~800 Panel Thickness: 9~60	Panel Length: 250~2800 Panel Width : Main Work station: 50~650 Additional Work station: 50~800 Panel Thickness: 9~60	Panel Length: 250~2800 Panel Width : Main Work station: 50~650 Additional Work station: 50~800 Panel Thickness: 9~60	Panel Length: 250~2800 Panel Width : 50~1200 Panel Thickness: 9~60
<i>Max Moving Speed X/Y/Z</i>	<i>m/min</i>	140/90/50	140/90/50	140/90/50	140/90/50
<i>Servo power X/Y/Z</i>	<i>kW</i>	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5
<i>Pressure</i>	<i>MPa</i>	0.6	0.6	0.6	0.6
<i>Voltage</i>	<i>Vac</i>	380	380	380	380

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ANNEX
to the EC type Examination Certificate No. 220-ET-12021.A1

PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

Model	M.U.	KD-612KHSZA	KD-612KSZA	KD-612KSZ	KD-612KHSA	KD-612K
Total Power	kW	30.12	30.12	28.22	30.12	23.02
Machine Size (L*W*H)	mm	8132*3830*2190	8132*3830*2190	7638*3134*2190	8132*3650*2190	7638*2620*2190
Spindle Power	kW	5.5+3.5	5.5+3.5	5.5+3.5	5.5+3.5	5.5+3.5
Drill heads	-	Upper drill package: 26V+12H+1S Bottom drill package: 9V	Upper drill package: 26V+12H Bottom drill package: 9V	Upper drill package: 26V+12H Bottom drill package: 9V	Upper drill package: 26V+12H+1S Bottom drill package: 9V	Upper drill package: 12V+8H Bottom drill package: 9V
Working size	mm	Panel Length : 250~2800 Panel Width : 50~1200 Panel Thickness: 9~60	Panel Length : 250~2800 Panel Width : 50~1200 Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤ 1000mm); Panel Thickness: 9~60	Panel Length: 250~2800 Panel Width : 50~1200 Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width : 50~1200; 35~50, (L≤ 1000mm); Panel Thickness: 9~60
Max Moving Speed X/Y/Z	m/min	140/90/50	140/90/50	140/90/50	140/90/50	140/90/50
Servo power X/Y/Z	kW	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5
Pressure	MPa	0.6	0.6	0.6	0.6	0.6
Voltage	Vac	380	380	380	380	380

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

Model	M.U.	KD-612KHSZ	KD-612KHS	KD-612KS	KD-612KH	KD-612KHC
Total Power	kW	28.22	28.22	28.22	22.65	32.02
Machine Size (L*W*H)	mm	7638*3134*2190	7638*2855*2190	7638*2855*2190	7638*2620*2190	7638*3134*2190
Spindle Power	kW	5.5+3.5	5.5+3.5	5.5+3.5	5.5+3.5	9+5.5+3.5
Drill heads	-	Upper drill package: 26V+12H+1S Bottom drill package: 9V	Upper drill package: 26V+12H+1S Bottom drill package: 9V	Upper drill package: 26V+12H Bottom drill package: 9V	Upper drill package: 12V+8H+1S Bottom drill package: 9V	Upper drill package: 12V+8H+1S Bottom drill package: 9V
Working size	mm	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤1000) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤1000) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤1000) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤1000) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤1000) Panel Thickness: 9~60
Max Moving Speed X/Y/Z	m/min	140/90/50	140/90/50	140/90/50	140/90/50	140/90/30
Servo power X/Y/Z	kW	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5
Pressure	MPa	0.6	0.6	0.6	0.6	0.6
Voltage	Vac	380	380	380	380C	380

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

Model	M.U.	KD-612GH	KD-612KZ	KD-612KHZ	KD-610HZ	KD-610H
Total Power	kW	32.77	23.02	23.02	21.9	21.9
Machine Size (L*W*H)	mm	7638*3300*2190	7638*2954*2190	7638*2954*2190	7088*2660*2190	7088*2277*2190
Spindle Power	Kw	9+5.5+3.5	5.5+3.5	5.5+3.5	5.5+3.5	5.5+3.5
Drill heads	-	Upper drill package: 12V+8H+1S Bottom drill package: 9V	Upper drill package: 12V+8H Bottom drill package: 9V	Upper drill package: 12V+8H+1S Bottom drill package: 9V	Upper drill package: 12V+8H+1S Bottom drill package: 9V	Upper drill package: 12V+8H+1S Bottom drill package: 9V
Working size	mm	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤1000) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤1000) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 50~1200; 35~50, (L≤1000) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 35~1000; 35~50, (L≤1000) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 35~1000; 35~50, (L≤1000) Panel Thickness: 9~60
Max Moving Speed X/Y/Z	m/min	140/90/30	140/90/50	140/90/50	140/90/50	140/90/50
Servo power X/Y/Z	kW	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5
Pressure	MPa	0.6	0.6	0.6	0.6	0.6
Voltage	Vac	380	380	380	380	380

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>TF600KS</i>	<i>TF600KA</i>	<i>TF600KT</i>	<i>TF600KE</i>	<i>TF600KM</i>
Total Power	kW	28.22	30.12	21.9	21.9	31.92
Machine Size (LxWxH)	mm	7638x2855x2190	8132x3650x2190	7088x2660x2190	7088x2276x2190	7638x3134x2190
Spindle Power	kW	5.5+3.5	5.5+3.5	5.5+3.5	5.5+3.5	5.5+3.5
Drill heads	-	Upper drill package: 26V+12H+1S Bottom drill package :9V	Upper drill package: 26V+12H+1S Bottom drill package :9V	Upper drill package: 12V+8H+1S Bottom drill package :9V	Upper drill package: 12V+8H+1S Bottom drill package :9V	Upper drill package: 26V+12H+1S Bottom drill package: 18V
Working size	mm	Panel Length: 70~2800 Panel Width: 50~1200 35~50, (L≤ 1000mm) Panel Thickness: 9~60	Panel Length: 250~2800 Panel Width: 50~1200 35~50, (L≤ 1000mm) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 35~1000 35~50, (L≤ 1000mm) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 35~1000 35~50, (L≤ 1000mm) Panel Thickness: 9~60	Panel Length: 70~2800 Panel Width: 50~1200 35~50, (L≤ 1000mm) Panel Thickness: 9~60
Max Moving Speed X/Y/Z	m/min	140/90/50	140/90/50	140/90/50	140/90/50	140/90/50
Servo power X/Y/Z	kW	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5	0.75/1.5/1.5
Pressure	MPa	0.6	0.6	0.6	0.6	0.6
Voltage	Vac	380	380	380	380	380

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PRODUCT IDENTIFICATION

The Product: **ENGRAVING MACHINE**

*constructive and functional characteristics:

Model	M.U.	KHM-660	KHM-660B	KHM-620	KHM-625	KHM-630
Total Power	kW	36.4	35.7	19.2	24.8	19.2
Machine Size (LxWxH)	mm	5585x3830x2150	5585x3270x2150	4800x2370x2000	4800x2950x2000	4800x2950x2000
Spindle Power	kW	3x6+3x1.5+3x0.75	3x6+3x1.5+2*0.75	6+1.5	2x6+2x1.5	6+1.5
Working size	mm	Panel Length: 1800 ~ 3000 Panel Width: 400 ~ 1200 Panel Thickness: 30 ~ 60	Panel Length: 1800 ~ 3000 Panel Width: 400 ~ 1200 Panel Thickness: 30 ~ 60	Panel Length: 1800 ~ 3000 Panel Width: 400 ~ 1200 Panel Thickness: 30 ~ 60	Panel Length: 1800 ~ 3000 Panel Width: 400 ~ 1200 Panel Thickness: 30 ~ 60	Panel Length: 1800 ~ 3000 Panel Width: 400 ~ 1200 Panel Thickness: 30 ~ 60
Max Moving Speed X/Y/Z	m/min	60/60/15	60/60/15	60/30/30	60/30/30	60/30/30
Vacuum capacity	m ³ /h	400L/min	400L/min	400L/min	400L/min	400L/min
Servo power X/Y/Z	kW	1.5/1.5/1.5	1.5/1.5/1.5	1.5/1.5/1.5	1.5/1.5/1.5	1.5/1.5/1.5
Pressure	MPa	0.6	0.6	0.6	0.6	0.6
Voltage	Vac	380	380	380	380	380

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