



裕蘭環保科技有限公司
Yulan Green Technology Co., Ltd.

YL0609-R-5-001-0 五段圓型機產品規格

機構

一、 機台規格

1. 機台尺寸：長:7,280mm * 寬:3,000mm * 高:3,000mm
2. 機台重量：約 20 噸
3. 機台最大功率：225kW @ 380V
4. 機台作動方式：成型 → 一次熱壓 → 二次熱壓 → 自動脫模 → 切邊
5. 模板尺寸：900mm*620mm
6. 可成型產品最大高度：170mm
7. 真空：30m³/min，-60Kpa
8. 空壓：0.6~2.4 m³/min，0.7Mpa
9. 供漿：20~60kg/hr，視產品不同

二、 機台構造

1. 機架：SS41 碳鋼焊接，後處理進行退火
2. 成型下模座：SUS304 不銹鋼
3. 熱壓上、下模座：SS41 碳鋼焊接，後處理進行退火

三、油壓系統

1. 成型伺服油壓缸驅動:油壓(最大力量 3T，最大行程 600mm) + 伺服電機傳動(電機功率 5.5kW)
2. 熱壓伺服油壓缸驅動:油壓(最大力量 14T，最大行程 450mm) + 伺服電機傳動(電機功率 5.5kW)
3. 自動脫模油壓缸：最大力量 3T，最大行程 650mm
4. 沖壓（切邊）伺服油壓缸驅動：油壓(最大力量 25T，最大行程 550mm) + 伺服電機傳動(電機功率 5.5kW)

電控

1. 上模驅動：三菱伺服電機傳動
輸入電壓：220VAC 3Ø 3W ； 電機功率：5 kW ； 轉速：2000rpm (Max：3000rpm) ；額定轉距:23.9 (N.m) [(Max：71.6 (N.m))] ； 通訊方式：SSC Net
2. PLC：三菱 FX5U 系列
3. 人機介面：HMI 觸控螢幕+圖控+15 吋螢幕
4. 機台加熱模式：電加熱(SSR 控制/380V) ； 單組最大 15kW、計 12 組，共計加熱最大功率：180kW

VERIFICATION OF COMPLIANCE to the requirements of **Machinery Directive 2006/42/EC**

Verification Report No. : ZA/2021/10009B & ZA/2021/10009D & ZA/2021/10009E
Representative Model : YL0609-R-5-CE
Series Model(s) : YL0609-R-3-CE
Product Name : CIRCULAR THERMOFORMING MACHINE
Applicant : YULAN GREEN TECHNOLOGY CO., LTD
Address of Applicant : No. 3, Dexing 2nd Rd., Su'ao Township, Yilan County 27051, Taiwan (R.O.C.)
TCF Number : TR21100101
Date of Issue : December 10, 2021
Date of Expiry : December 9, 2026
Applicable Standard(s) : EN ISO 12100:2010, EN 60204-1:2018, EN ISO 13849-1:2015

Conclusion

Based upon a review of the Technical Construction File, the apparatus is deemed to meet the requirements of the above standard(s) and hence fulfill the requirements of:

Machinery Directive 2006/42/EC

Note : This verification is only valid for the apparatus and configuration described and in conjunction with the technical data detailed above.

The CE mark as shown below can be used, under the responsibility of the manufacture, after completion an EC Declaration of Conformity and compliances with all relevant EC Directives.

Authorized Signatory:

Jason Lin

SGS TAIWAN LTD.
Jason Lin
Technical Manager



VERIFICATION OF COMPLIANCE to **Electromagnetic Compatibility**

Verification Report No. : ZA/2021/10010
Representative Model : YL0609-R-5-CE
Series Model : YL0609-R-3-CE
Product Name : CIRCULAR THERMOFORMING MACHINE
Applicant : YULAN GREEN TECHNOLOGY CO., LTD
Address of Applicant : No. 3, Dexing 2nd Rd., Su'ao Township, Yilan County 27051, Taiwan (R.O.C.)
Test Report Number : ZA/2021/10010
Date of Issue : December 10, 2021
Date of Expiry : December 9, 2026
Applicable Standards : SGS On-Site Test Standard
EN IEC 61000-6-2: 2019, EN IEC 61000-6-4: 2019

Conclusion

Based upon a review of the Test Report, the apparatus is deemed to meet the requirements of the above standards.

Note: This verification is only valid for the apparatus and configuration tested and in conjunction the test report(s) detailed above.

The CE mark as shown below can be used, under the responsibility of the manufacture, after completion an EU Declaration of Conformity and compliances with all relevant EU Directives.

Authorized Signatory:

Jason Lin

SGS TAIWAN LTD.
Jason Lin
Technical Manager

