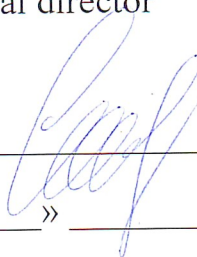


APPROVED BY

«Kazan Rubber» LLC

General director



L.M. Sagdiev

«          »            2024.



## TECHNICAL TASK

«Injection molding rubber machine selection»

Kazan  
2024

## **1 TT NAME, BASIS, CONTRACTOR AND COMPLETION DATES**

1.1 Name: «Injection molding rubber machine selection».

1.2 Realization reason: rubber products serial production organization using general and special purpose rubbers.

1.3 Customer: «Kazan Rubber» LLC

1.4 Completion date: April 2024.

## **2 IMPLEMENTATION PURPOSE**

2.1 The work purpose is:

- The injection molding machine customer requirements determination.
- Suitable injection molding machine models determination.
- Suitable injection molding machine model selecting.

2.2 Equipment name – rubbers injection molding machine.

### 3 EQUIPMENT TECHNICAL REQUIREMENTS

#### 3.1 Specifications

3.1.1 The injection molding machine must be duplicated (double) with a single control panel. Equipment general view is shown in Figure 1.

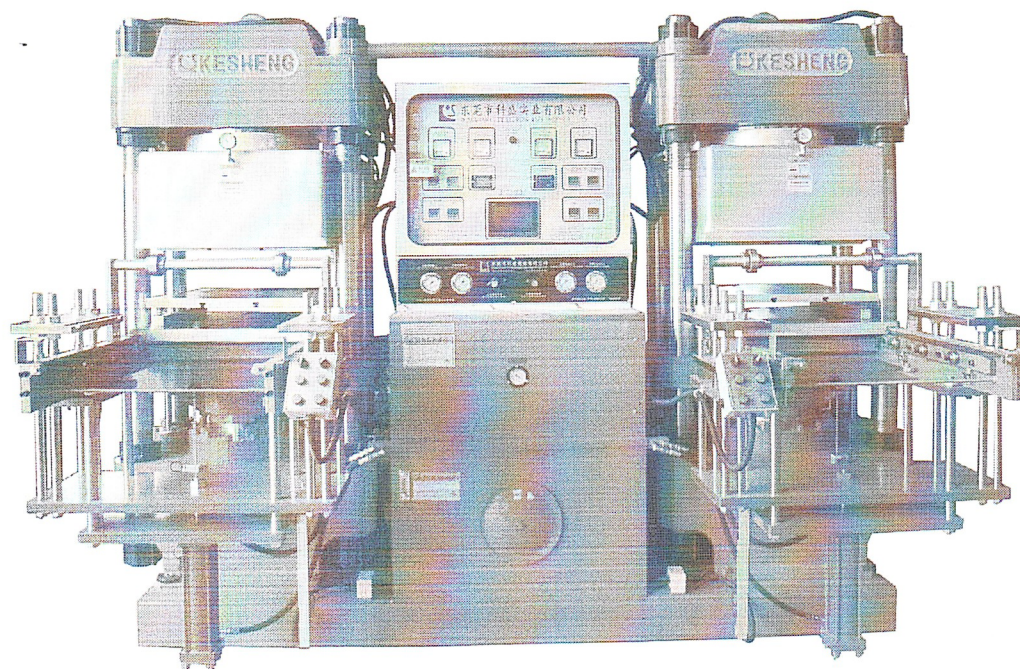


Figure 1 – Duplicated (double) injection molding machine general view

3.1.2 Press heating plates dimensions – 1100x1100 mm.

3.1.3 Press plates opening height must be at least – 700 mm.

3.1.4 It is necessary to provide the injection molding machine working possibility for rubbers with Mooney viscosity values from 20 to 90 units for both: silicone rubbers and general purpose rubbers.

3.1.5 The injection molding machine must be equipped with a vacuum system.

3.1.6 It is necessary to provide a pressing parameters recording (temperature, pressure, vulcanization time) and the ability to output data to a computer or external storage device.

3.1.7 One injection unit is required for silicone rubbers working, the second unit is required for general purpose rubbers working.

3.1.8 The injection molding machine must have a 3-RT mold opening system.



3.1.9 The injection molding machine height during transportation should be no more than 2600 mm.

3.1.10 The injection molding machine height at the installation site should be no more than 3200 mm.

#### **4 PRESERVATION, PACKAGING AND LABELING REQUIREMENTS**

4.1 Packaging and shipping product containers must prevent irreversible changes in its characteristics during storage and transportation.

4.2 Products must be packaged in standardized transport packaging used by the manufacturer.

#### **5 SPECIAL REQUIRMENTS**

5.1 Third parties and organizations access to the technical specifications requirements is allowed only on the customer written permission basis.

5.2 The third parties' rights in relation to intellectual property objects must not be violated during the work performance.

5.3 For the equipment manufacture work progress monitoring, the customer reserves the right to be present at any work stage, notifying the contractor 7 days in advance.

5.4 The customer has the right to request information about the work progress at any stage of the work. The Contractor is obliged to provide complete information in writing within 2 days after receiving the request.

5.5 The functions cost of specified in clauses 3.1.1, 3.1.2 (in comparison with the heating plates dimensions 900x900 mm), 3.1.5, 3.1.6 and 3.1.8 (in comparison with the 2-RT opening system) must be reflected separately.

APPROVAL SHEET  
of the «Injection molding rubber machine selection» technical task

Executive Director

 / A.V. Mikhailov /


« 16 » 09 2024.

Head Engineer

 / I. I. Nureev /

« 16 » 04 2024.

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