

**AUTOMATIC MACHINE FOR PACKAGING OF TABLETS, CAPSULES AND AMPULES IN ONE-SIDE PACKS 557 PK-1**



It is intended for packaging of one tablet standard size: flat cylindrical, flat cylindrical with face type 1,2 or convexo-convex tablets type 3,3,3 as per OST 64-072-89 as well as round tablets type 9,9,3 as per OST 64-072-89, ampules and capsules of different standard sizes in a one-sided cell countour pack.

It is used at the tablet workshops of chemical pharmaceutical companies and other fields of industry. The automatic machine 557PK-1 is connected to the company network.

**TECHNICAL CHARACTERISTICS**

Output of machine, pack/hour	4800-9600
Power consumption, kW	15
Supply voltage, V	380
Number of rows of simultaneously formed packages	2
Temperature of forming drum heating	50-70
Temperature of thermo-glueing drum heating	175-250
Temperature regulation	automatic
Time of setting of machine working mode, min	40
Discharging in vacuum system, MPa (kgf/cm <sup>2</sup> )	not less 0,08
Weight of machine with control panel, kg	not more 3000



**"TRANSMEDTEH LTD "**

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Welcome!



**"TRANSMEDTEH LTD "**

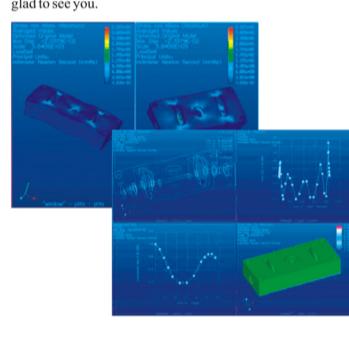
The development of the equipment is performed by a designing department equipped with the modern means of development and up-to-date software. Starting from the first days of the company foundation, the designing department of "Transmedtech Ltd." applies the advanced means of designing. The new designs are developed by experienced specialists together with young designing engineers who professionally know the modern methods of developing and designing of new machinery.

Our equipment is successfully operated at the enterprises of Russia, Ukraine, Belarus, Kazakhstan, Uzbekistan and Moldova.

All equipment enlisted in this brochure does not cover all our possibilities. The more detailed catalogue is presented at our sites: <http://www.transmedtech.com>, [www.transmedtech.chat.ru](http://www.transmedtech.chat.ru)

Due to the flexible system of designing and production, "Transmedtech Ltd." has the possibility to design and manufacture equipment according to the technical assignments of the Customer.

Informal approach to the solution of engineering tasks and experience of our colleagues result in significant increase of our constant clients among whom we would be glad to see you.



**"TRANSMEDTEH LTD "** —

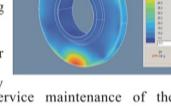
is a dynamic developing company working on the market of industrial pharmaceutical and technological equipment. "TRANSMEDTEH LTD" - is a dynamic developing company working on the market of industrial pharmaceutical and technological equipment.

"Transmedtech Ltd." was founded in 1999 by a group of highly qualified specialists, in the past workers of Mariupol plant of technological equipment, famous in the whole former Soviet Union, the only serial manufacturer of technological equipment for pharmaceutical, chemical, biological and food industries.

The key moment in the work with our clients is the wide range of the proposed equipment that lets us consider the solution of the set tasks in complex.

The main directions of the company activities are the manufacturing and supply of:

- equipment for tablet production;
- equipment for ampule production;
- filling and packaging equipment;
- laboratory equipment;
- spare parts for pharmaceutical equipment.



Also, our company performs repairing and service maintenance of the mentioned types of equipment.

The range of products proposed by us is based on the principle 'from simple to sophisticated', i.e. we can propose equipment both for a small young company, and for a big pharmaceutical company.

In our catalogue we present the equipment, which corresponds to the actual demand on the CIS market of industrial technological equipment for pharmaceutical industry. The proved schemes of supply let us efficiently deliver equipment over the whole territory of CIS.

"Transmedtech Ltd." offers you the new development of the designing department, practically new tablet press PTM-41G.

The PTM-41G press is designed with consideration of the latest requirements of GMP standards applied to the modern technological equipment. Unlike analogue equipment of other Russian and Ukrainian manufacturers present on the market, it has the following peculiarities besides perfect functionality:

- Control of the press operation is made by means of programmable controller with LCD.
- Majority of operations for press adjustment is made through the control panel due to the high functionality of the programmable controller and own development by the Designing department of "Transmedtech Ltd." with intuitive understandable interface of press control system.
- Main parameters of press operation are displayed on the LCD of the programmable controller and at any moment could be adjusted from the control panel.
- All actions of the operator and control system are noted in the log book with indication of time, source and content of the operation performed.
- In case of press stoppage, the diagnostic system tells the reason to the operator.
- There is a possibility of pressing stop after the set time (on timer) or after production of the set quantity of tablets and others.
- The press control system ensures safety work of the personnel.
- The press is fully coated with stainless steel.
- All details, which are in the working zone of PTM-41G press and which come into contact with the pressed materials are made of non-toxic, corrosion-resistant materials, which are allowed for application in the food and pharmaceutical industry. The quality of the working zone design competes with the best foreign designs.
- The compression zone protection is made by organic glass (S=10-16 mm).
- All moving parts during operation are protected. When the integrity of protection is broken, the press automatically stops working.
- The low-voltage equipment is used in the electric circuits that exclude the possibility of electric injury of maintaining personnel.
- Pressing can be performed at three compression zones of different heights. Due to this the service life of the pressing tool is extended.
- The control of the main drive of the press as well as feeder drives is performed through frequency transformers and from the controller of the control panel.

**TABLET PRESS PTM-41G**

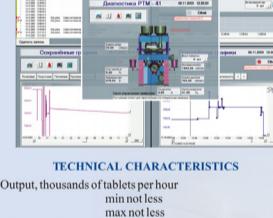


• The presence of the preparation in the hopper is controlled. In case of failure in supply of preparation from the hopper, the pressing stops.

• The press is equipped with the count gauge of tablets produced, tablet thickness sensors, dosing sensor and compression force sensors. The controller controls the weight of each tablet through the mentioned sensors.

• The tablet press is connected to the company network through which the monitoring and control of its operation performed as well as archiving of all data such as: emergency conditions, log books, reasons and all stoppages, differences in tablet weights, operation statistics and other information.

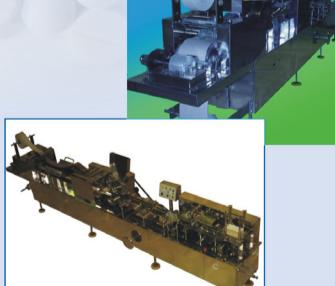
• The press is completed with full set of documentation required for its operation and legalization of tablet production as per GMA.



**TECHNICAL CHARACTERISTICS**

Output, thousands of tablets per hour	
min not less	30
max not less	200
Diameter of pressed tablets, mm	4...20
Limit deviations of tablet diameters, mm	
4...7	± 0,1
8...12	± 0,2
13,14	0,3
15...20	0,4
Compression force, max kN	100
Quantity of press-tool pairs, pcs	41
Max. depth of the fill, mm	18
Power consumption, kw, not more	4,5
Voltage of 3-phase 4-cable	380
Network with frequency 50 Hz, V	
Dimensions, mm	
length	1300
width	1300
height with hopper	1700
Machine weight, kg, not more	2000
Changing of rotor rotation frequency (smooth), rpm	12-40

**AUTOMATIC LINES FOR PACKAGING OF AMPULES IN 10-PLACE BOXES AL-1,2G AL-3,5,10G**



Automatic lines series AL-G for packaging of ampules in a 10-place boxa is new solution during the designing of which many-year experience of manufacturing and operation of automatic lines for packaging of ampules type IIII or BII in 10-place boxes series AL-1,2,3,5,10 which were produced earlier and are successfully operated at numerous pharmaceutical companies.

The automatic lines AL pack ampules into a cardboard box, which they produce themselves and then prepare for post delivery. Why cardboard? First of all, it is cheaper. Secondly, the wastes could be subject to secondary treatment, i.e. ecological clean box and corresponding production. Thirdly, the AL replaces two machines of blister packing - it is a blister and cardboard maker itself. Thus, the operation charges for production are reduced.

Kinematic scheme of the AL is the same as it was, but today it is made of stainless steel 08X18H10T. The line design allows to produce a box both for the ampules of syringe filling and of vacuum. Why? The latest developments of ampule filling are vacuum again, and this is only due to big output. The line design allows to produce a box with displaced rupture line that allows to exclude the spilling of ampules which operating.

**TECHNICAL CHARACTERISTICS**

Maching Code	AL-1,2G	AL-3,5,10G	AL20G
Ampule capacity, ml	1,2	3,5,10	20
Output (packs per hour)	900-1750	780-1500	650-1100
(Grade-free adjustment)	4900x895x1470	5210x895x1535	5335x895x1535

Dimensions, mm

Weight, kg

Power, kW

length

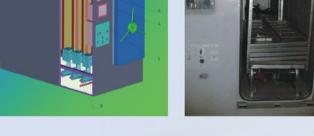
width

height with hopper

Machine weight, kg, not more

Changing of rotor rotation frequency (smooth), rpm

12-40



It is intended for sterilizing of ampules by steam as per OST standard 64-2-485-85 with capacity of 1,2,3,5,10 and 20 ml filled with the injection mixtures and stacked in special cassettes.

**TECHNICAL CHARACTERISTICS**

Output during treatment, ampule/hour	15700-95000
Working volume of sterilizing chamber, dm <sup>3</sup>	1700
Sterilizing temperature, °C	102-132
Steam consumption per cycle, kg	not more 143
Discharging in the vacuum pipeline, MPa (kgf/cm <sup>2</sup> )	0,08(0,8)
Max. working pressure in chamber, MPa	0,2
Supply voltage, V	220
Power consumption, kW	0,6
Dimensions, mm	3000x1410x2075
Weight, kg	2890

