

# NOTIS company Presentation

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#### NOTIS Company offers you business cooperation. We manufacture hightech batch measuring and packaging equipment in Russia.

NOTIS Company has a good reputation domestically. Suffice it to say that we have never been at law with anybody on any economic or other dispute for 23 years of our existence. For over 10 years, our company is one of the leaders of the Russian market of production of packaging equipment for dry foods. Export in 2014 amounted not less than 15% of our volumes.

We produce packaging machines, both for start-ups and large enterprises. NOTIS machinery is used for packing snacks, grain, sugar, flour, bakery and confectionery products, frozen convenience foods, as well as non-food items.

NOTIS equipment is produced at a fairly good level, it has competitive advantages and unique features. In addition, our factory has a complete production cycle. But the main advantage of our company is that it has all the necessary resources. First of all, there are specialists with good education and qualifications. We have a very high level of collective experience in the development, production and continuous improvement of complex modern packaging equipment.





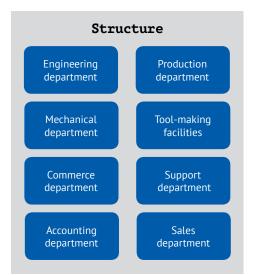
#### About our company



NOTIS is a Russian company, founded on March 26, 1992 in the city of Berdsk in the Novosibirsk region. A group of engineers with an experience in constructive and production activities stood at the origins of the company.

Production of filling & packaging and food machinery was chosen as a primary area of activity. The main aim of Notis Company has always been to design and produce products with the maximum possible level of quality at favorable prices.

The use of innovation technologies and automatic control systems for weighting and measuring operation simultaneously guarantees maximum operation speed and maximum precision. We can meet almost any customer needs in measuring and packaging different products thanks to the accumulated experience of our design engineers and production department workers.





#### Company policy and sales geography

Constant works on improvement of production quality are conducted in the company; besides, the reliability of produced machinery is confirmed by required certificates.

The policy of our company is aimed at building long-term partner relations. According to our experience a client who has at least one unit of NOTIS equipment, becomes our loyal customer.

We provide efficient satisfaction of needs in equipment, technical support, personnel training. Our representation offices were opened in Moscow, Rostov-on-Don and Yekaterinburg for this purpose. The head office is situated in the city of Berdsk, belonging to the agglomeration of Novosibirsk.

<u>Novosibirsk</u> – third city in Russia according to its population. It is a big trade, business, cultural, industrial, transport and scientific center of Russia. One of the districts of the city is a globally known scientific center – <u>Akademgorodok</u> with dozens of scientific research institutes..

Our machines work all over Russia. There are lots of supplies to Kazakhstan, Belarus, and Ukraine. We have clients in Israel, Egypt, Germany, Canada and Australia. From 2003 our company regularly participates in three largest annual international exhibitions in Russia: "UPAK Italia", "RosUpack", "Agroprodmash".

#### Formula of success

The reason of our successful development is that NOTIS is a fully integrated manufacturer. We study the market, set our tasks, develop our products, certify them and introduce products to the market.

Our own production capacities, including all technologies and production processes except for plating and metal casting, allow to react to the changes in market situation quickly. Nowadays it is an essential condition for business development.

The core value of the company is a highly professional group of workers, every member of which is a professional and where the special atmosphere of successful cooperation has formed. All in all, around 200 people work in the company. Personnel deserve credit for the fact that NOTIS takes up leading positions in Russia for production of packaging machinery.



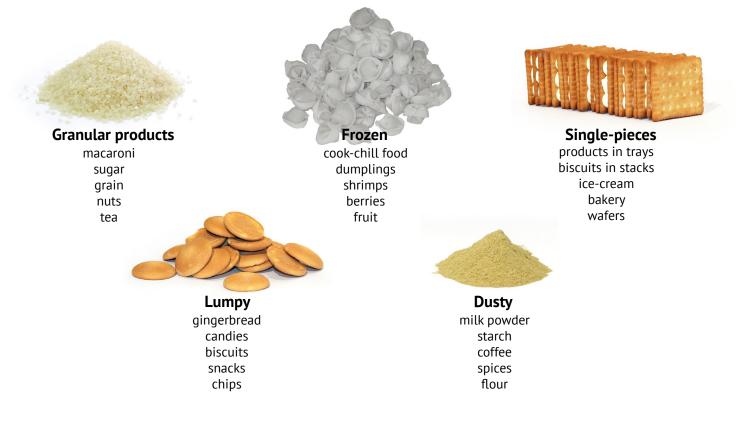
### **Our Products**

We offer high product-mix, including budget-friendly packaging machinery for emergent entrepreneurs and automated lines for large-scale enterprises. NOTIS machinery complies with European safety standards and high standards of quality.

- Vertical form-fill seal machines
- Horizontal flow packing machines
- Hand-held package forming machines
- Weighting batchers, combinational (multi head batchers, screw feeders
- Paper bag filling lines

- Multi-packers for packing briquette form paper bags
- Bag-in-box packaging equipment
- Other production lines
- Infeed and outfeed conveyors, vibration feeder
- Electronic assemblies for different weighing systems and multi component metering systems

# NOTIS machinery is design to package dry food and non-food products





# Examples of our Products

# Weighting Batcher DVDD-NOTIS- 3.0-A-K-KP

It is used for batching lump food and industrial products and materials with doses of 5-3000 grams. Examples of batched products: ginger bread, cracker rings, biscuits, corn curls. It operates on 220 V power, its machine capacity is 0.1 kW.

The Weighting Batcher is one of the world's best according to its parameters and efficiency. It uses unique algorithms of dosing and self-adjustment. We have already produced more than 3600 Weighting Batchers.

Weighing Range	5–3000 g
Accuracy	± weight of one lump
Productivity	8–12 doses per minute
Overall dimensions	1350×700×800 mm

http://www.notis.ru/production/weighing/dvddk\_3/



## Budgetfriendly dosing and packaging machine

MDU-NOTIS-04M-

#### 440-1Rc-D

The most cost-effective machine for packaging granular goods from 20 to 3000 grams.

- high accuracy of dosing
- high-quality bag forming, just like in the top-of-the-line machines
- touch-control switchboard
- compressed air is not required
- operates on 220 V power



Weighing Range	20-3000 g
Accuracy	average weight of bags equals to the nominal value
Productivity	<ul> <li>from 10 packages per minute</li> <li>from 15 bags per minute at doses up to 100 grams</li> </ul>
Maximum film width	440 mm
Power supply	1.2 kW
Overall dimensions	850×850×2750 mm

http://www.notis.ru/production/automatic/mdu-04m/



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# Vertical dosing and packaging machine of improved efficiency

MDU-NOTIS-03M-520-4Rc-D-QT

4-lanes machine of improved design with increased efficiency for packaging of granular products in polypropylene film.



Weighing Range	20-3000 g
Accuracy	average weight of bags equals to the nominal value
Productivity	<ul> <li>from 55 packages per minute</li> <li>from 80–90 bags per minute at doses up to 100 grams</li> </ul>
Maximum film width	150-520 mm
Power supply	220 V, 50 Hz, 1.2 kW
Dry and clean air flow rate	7 nl per cycle
Overall dimensions	850×850×2750 mm

http://www.notis.ru/production/automatic/mdu\_notis\_02m\_4\_otv/



### Multihead Weigher DWC-16-NOTIS

The proper module of analogue-todigital coder measures the weight in motion with the speed of 500 measurements per second, providing high efficiency and precision.

Calibration of weight measuring channels is conducted no more than once a year.

There is no hazardous voltage in actuators. Total capacity of the whole power circuit of the multi-head is up to 200 W.

In comparison to typical circuits, our circuit effectively uses 2 separate computer systems. One of them is for real-time processing, the second one is Microsoft Windows-based system implementing user-friendly interface.







Productivity for lump products (gingerbread, candies)	60 doses per minute
Productivity for granular products (nuts, grain)	120 doses per minute

http://www.notis.ru/production/automatic/dvk/



**MI** NOTIS

## Horizontal packaging machine, inclined MGU-NOTIS-NK-375

The machine is designed to pack piece-goods of relatively large dimensions, as well as granular food and non-food products in thermo-sealing films. It is ideal for private bakeries and confectionaries.

Movement of products in the process of packaging is realized due to the inclined structure of the machine.

The length of the package is set in 3 ways:

- by a package length sensor,
- by an eyespot on the packaging film (optional),
- by a signal of optical area sensors.



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5–40 packages per minute
0–1500 mm, length 0–330 mm, width 0–150 mm, height
20 V, 50 Hz, 3 kW
00×1200×1850 mm
75 kg

http://www.notis.ru/production/pack\_auto/mgu-notis-nk-375/



# Horizontal Packaging Machine MGU-NOTIS-210

It is a fully electronically controlled machine! It has 4 independent drives: for a feeding conveyor, rollers for film draw and sealing, transverse sealing jaws and an outfeed conveyor.

- All major operating conditions of a packaging machine are set programmatically without mechanical switch-over.
- Automatic synchronization of product and film feeding and transverse package cutting.
- Possibility of integration into the technological line with automated speed synchronization.



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Productivity	20-100 packages per minute
Size of the product being packed	110–600 mm, length 4 0–220 mm, width 1–150 mm, height
Film	Polypropylene, laminate 20–40 µm
Power supply	380 V, 4 kW
Air consumption	2 nl/min, 6 bar
Overall dimensions	4748 × 1100 × 1750 mm
Weight of the line	1100 kg

http://www.notis.ru/production/pack\_auto/mgu\_notis\_180/

# Automated Filling Line for Packaging in Ready-made Paper Bags LFM-B-NOTIS

It is designed to package flour, sugar and grain in ready-made paper bags with flat lock bottom. Brick-form packages are formed at the output of the line.



Unique volume and weight method of dosing is used.



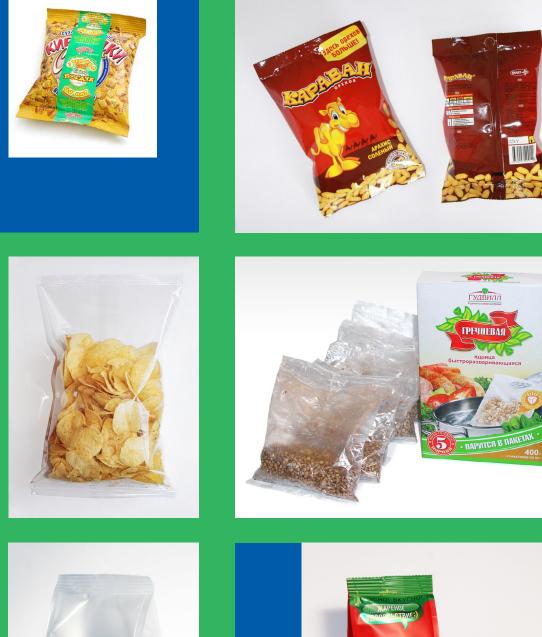
We also offer multi-packer machines.

Weighing Range	500-3000 g
Accuracy	±4 g
Productivity	<ul> <li>35-40 bag per minute at a dose up to 1000 g</li> <li>30-35 at a dose at least 2000 g</li> </ul>
Power supply	1.2 kW
Compressed air flow rate	1500 nm/min
Overall dimensions	1550×2820×5050 mm
Weight of the line	max 1000 kg

http://www.notis.ru/production/food\_processing/lfm-b-notis/

# **Examples of Packages**

All products are dosed and packed using NOTIS machinery. You can see the whole <u>album</u> on <u>flickr.com/notis</u>















\*\*\*\*\*\* AXAP  $\cap$ TECOK BEC HETTO 10 KT























### Features and Benefits

#### Reliability

- Notis Company has exclusively positive reputation on the Russian market. For the 22 years of our existence there has never been a single case when a client's problem remained unsolved.
- It is confirmed by the formerly adopted <u>Code of Business</u> Conduct of the company. It sets forth all rules and norms towards employees, customers, partners and suppliers, due to which Notis has become one of the industry leaders. We sacrificed our up-to-minute profit to reach success in the future. The Code is intended both for external relations of the company and internal relations among employees.
- The equipment reliability is confirmed by feedbacks of our clients, when after 10 years of packaging machine operation <u>a client orderes only consumable materials</u>.
- Since 2005 the <u>system of rational proposals</u> has been in force; it provides that efficient and implemented proposals on quality increase, cost reduction and working conditions improvement are rewarded.
- In 2008 NOTIS Company <u>acquired</u> ISO 9001:2000 certification, it also passes annual inspection checkup of the quality management system on conformance to the standard requirements.
- Since 2009 there is a <u>laboratory</u>, allowing to control the quality of materials, when producing packaging machinery.
- Warranty for all Notis equipment is 1 year.

#### High technologies

- Our technical policy is based on two principles:
  - innovations
  - continuous improvement
  - It conditioned our rampant development from production of simple electronic scales to elaborate automated complexes.

In 2014:

- Produced the fifth generation of packaging machines.
- Upgraded the automated paper bag filling line.
- Improved the technology of packaging in bags with seamed edges. The seam concealed in one of the edges is almost invisible.
- Developed and installed the flow packing line for candies with productivity of more than 400pcs per minute.



- Sold the thousandth vertical form-fill seal machine

 Implemented a unique project: produced a line forming multi-component capsules, used for reinforcement of domes in coal mines.

- Made a twin dosing tank for large doses.

- Introduced a new 10-lanes combinational batcher.

 For the first time demonstrated a brand new vertical dosing and filling machine MDU-NOTIS-04M without pneumatics use on an international exhibition (see page 7).

• Pioneer products come into world from the design department. It is where high-class designers work. They know the latest design methods perfectly well and have out of the box thinking.

**NOTIS** is the only company of the industry in Russia, using only its own software in its machines.

• Usage of the latest technologies and automatic control systems of dosing and weighting guaranties both the maximum operation speed and high precision.

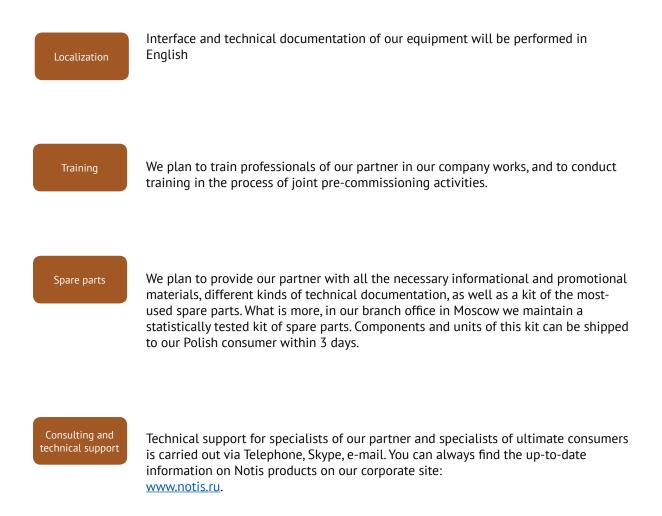
Linear feeders, being a part of NOTIS machines, are among the best in the world according to their accuracy and productivity parameters.

- NOTIS feeders have high-level software: when parameters are changed it allows the system to get customized without an operator.
- Horizontal machines for packaging of ice-cream, chocolate bars and bakery products are equipped with several independent drives, which are connected into one system and operated by one processing unit. Automatic unit can change the operation speed of its components without stopping the conveyor and making additional readjustments.
- NOTIS Company modernizes its technologies every year. Last year, for instance, two valuable NC machine tools were purchased: a lathe machine and a milling machine.



## Supply of Equipment Abroad

In 2014 our export supply was not less 15% of our volume. To promote our products abroad we are ready to offer:





# Our photos www.flickr.com/notis



At the exhibition in Moscow, Russia – 2014



At the exhibition in Brno, Czech Republic – 2012

#### At the place of NOTIS production





Google map

#### Contact us

#### www.notis.ru



Head office

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# Thank You!