

# AXION

MEDICAL EQUIPMENT  
since 1970

cardiology  
resuscitation  
neonatology  
surgery  
physiotherapy



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Medical equipment since 1970

Axion Concern Ltd.  
[www.axion-med.ru](http://www.axion-med.ru)

Axion is a modern multi -activity company with high scientific and technical potential and engineering capabilities.

The factory has 50-year history of the production of medical equipment. At present, the factory manufactures a wide range of medical products designed for different fields of medicine: cardiology, neonatology, resuscitation, surgery and physiotherapy.



RESUSCITATION



CARDIOLOGY



NEONATOLOGY



SURGERY



PHYSIOTHERAPY





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## Axion medical equipment is:

- **trusted by professionals:** 70% of Russian ambulances are equipped with Axion electrocardiographs and over 10,000 Axion defibrillators are used in Russian ambulances, healthcare centers and paramedical and midwifery stations
- **reliable participant** of the programs of state deliveries for the Main Military Medical Directorate, the Federal Agency for State Reserves and the RF Healthcare Ministry



full production cycle - from design to finished product



use of high-quality, safe materials



certificates of product conformity with the Russian and European quality standards



Axion medical equipment is sold throughout Russia and in the former Soviet republics and other foreign countries

## History of Success

1975

95% of all domestic electrocardiographs were produced at the factory

2004

Axion Medical Center equipped with the unique advanced equipment was established

2018

DA-N-01 defibrillators were delivered to 7 cities hosted 2018 FIFA matches

1990

mass production of the first newborn resuscitation sets in the country was mastered

2009

Academician of the Russian Academy of Sciences Leo Antonovich Bokeria visited the capital of the Udmurt Republic. He took a look at the medical equipment by Axion and highly rated it



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## Figures and Facts

We Are Proud of



85

In the market in the  
constituent entities of the  
Russian Federation

50

over years of successful  
operation

45

qualified specialists

AXION medical equipment is delivered for the needs of healthcare centers throughout Russia and abroad (Kazakhstan, Kirgizia, Armenia, Belarus, Uzbekistan, Tadzhikistan, Moldova, Czech Republic, Egypt, Turkey and Indonesia) that proves its relevance.





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## Axion Resuscitation Equipment



Defibrillator  
DKI-N-12  
"Axion"

Operating mode:  
manual defibrillation



Defibrillator  
DKI-N-10  
"Axion"

Operating mode: manual  
defibrillation, monitoring



Defibrillator - Monitor DKI-  
N-11 "Axion"

Operating mode: manual and automatic  
defibrillation, external shock therapy,  
monitoring, pacing, ECG, NIBP, SpO<sub>2</sub>

Kids and adults electrodes

Standard equipment used by  
emergency medical assistance  
teams, in hospitals, cardiology  
clinics and paramedical and  
midwifery stations.

## Axion Public Access Defibrillators



### Defibrillator DA - N-01 "Axion"

with automatic external defibrillation for paramedics and employees of the Ministry of Emergencies and other rescue services



### Defibrillator DA - N-05 "Axion"

with automatic external defibrillation designed for placement and use in places of mass gathering of people under draft law "On Publicly Accessible Defibrillation"



### Defibrillator DA - N-02 "Axion"

with manual and automatic defibrillation for professional use by emergency medical assistance teams and in paramedical and midwifery stations.

Resuscitation of children and adults

Automatic analysis of heart rate

Voice and visual prompts for correct and user-friendly handling



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## Axion Cardiology Equipment



### Three/Six-Channel Electrocardiograph EK3TC-3/6-04 "Axion"

- automatic and manual modes for cardiographic lead recording
- synchronous recording of leads in the standard Cabrera sequence, three Nehb leads, and user leads



### Single/Three-Channel Electrocardiograph EK1T-1/3-07 "Axion"

- long duration of autonomous operation: at least 3 hours in the monitoring mode, recording of minimum 100 ECG on thermal paper
- automatic and manual modes for cardiographic lead recording

automatic generation of syndrome report and data transmission via GSM channels

standard equipment in specialized and non-specialized hospital departments, general practitioner offices, paramedical and midwifery stations and first-aid stations

## Axion First-Aid Equipment



### Portable Ventilator A-IVL-E-03 "Axion"

- a wide range of modes; oxygen
- supply either from a cylinder or from a hospital oxygen network;
- ventilation through a facial mask or tracheal tube



### Syringe Pump D-01 "Axion"

- drug injection at a constant rate for a prolonged period; automatic syringe volume
- identification
- for all syringe types



### Portable Pulse Oximeter PP-01 "Axion"

- for single measurement of or continuous monitoring over SpO<sub>2</sub>, pulse rate, photoplethysmogram control, SpO<sub>2</sub> control, pulse rate,
- photoplethysmogram and current results registration
- may be used to monitor the state of a patient of any age compact dimensions, light weight, casing for comfort usage by a patient

Universal power input



## Axion Neonatology Equipment



### Baby Changing Table SPO-01 "Axion"

- long-time continuous operation - up to 24 hours
- automatic control of bed temperature in the range from +35 °C to +38 °C
- uniform heating of the mattress surface



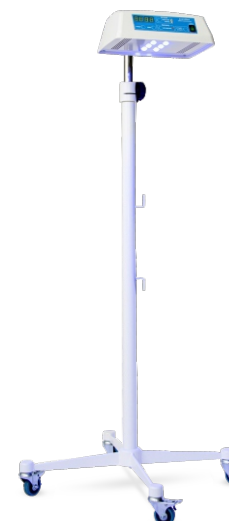
### Newborn Warming Unit UON-04 "Axion"

- automatic maintaining of heating temperature
- temperature adjustment step 0.1 °C and temperature maintenance accuracy  $\pm 1$  °C
- continuous operation - at least 96 hours



### Unit of Newborn Warming-up with Phototherapy Function UON-03F "Axion"

- bright light-emitting diodes
- for comfortable sanitary and medical procedures and phototherapy
- continuous operation - at least 96 hours



### Unit of Newborn Warming-up with Phototherapy OFTN-420/470-02 "Axion"

- bright light-emitting diodes
- indication of the preset time and current time of irradiation session with 2% increment or less
- continuous operation up to 100 hours

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## Axion Neonatology Equipment



### Phototherapy Radiator OFTN-03 "Axion"

- bright light-emitting diodes
- possibility to adjust irradiation intensity to set an optimal treatment mode
- continuous operation up to 100 hours



### Medical-Purpose Electric Mattress MEM-01 "AXION"

- uniform heating of the mattress surface
- compact size
- continuous operation time — at least 4 days



## Axion Surgery and Physiotherapy Equipment



### Medical Surgical Suction Unit OMH - 5/80-01 "Axion"

- two-stage overflow protection
- Easy-to-use transportation rack with braking system
- high air suction rate - at least 15 l/min



### Gynecologic Vacuum Aspirator OG-10/90-01 "Axion"

- easy control by means of a control panel and remote foot pedal
- high performance and promptness



### Medical Portable Suction Machine OMP- 5/80-01 "Axion"

- standard dimensions for placement into a special area inside an ambulance
- convenient and easy transportation due to its light weight, compact dimensions, and a carrying handle



### Vacuum Massage Apparatus VM-03 "Axion"

- several types of vacuum caps
- 9 discharge levels

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## Our Reputation-Winning Advantages



50 years of experience in medical equipment design and manufacturing



certificates of conformity with quality standards for all products



cooperation with the leading Russian hospitals and research institutes



mass production: over 50,000 pcs of sophisticated medical equipment are manufactured by the factory annually




own team of medical equipment designers and engineers





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## Contacts

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