



“VOMZ” JSC



Main lines of activity in the  
field of consumer goods

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“Vologda optical – and - mechanical plant” JSC is one of the most sophisticated enterprises in the northwest of the Russian Federation and one of the leading enterprises of Vologda region.

The enterprise specializes in optic electronic and optic mechanical devices production and defense technology aquisition. VOMZ JSC also manufactures high quality civil production.

Hunting rifle scopes produced by VOMZ are the object of devoted attention of specialized exhibitions visitors and are always in hunters demand. The scopes are presented in the Russian market and exported to Finland, Bulgaria, the USA, France, Saudi Arabia and other countries.





# Manufacturing capabilities



The enterprise activity is based on dedicated productions furnished with modern equipment, control and test devices which provide high technical characteristics of the produced goods.

The enterprise development strategy is introduction of new technologies and equipment, advanced materials and element base.

## Technological capabilities:

- ❖ Procurement production
- ❖ Machining production
- ❖ Assembly production
- ❖ Glass treatment
- ❖ Circuit boards production
- ❖ Finishing production (galvanic and varnish-and-paint coating)
- ❖ Substandard equipment department



# Certification

The quality system of the factory meets the standards DIN EN ISO 9001:2008 and GOST R ISO 9001-2008.







# Rifle scopes “Pilad”



Hunting rifle scopes Pilad provide fixed or variable magnification and are used for precise aim taking while shooting. The scopes can be installed on sporting and hunting arms of different calibers with the help of special support.

The scopes constitute optical telescopes with a mechanism of setting aiming angle and side correction angles.

All optical parts have multilayer enlightening covering.

The letter “L” in the scopes` title means that the reticule is illuminated and the brightness varies from 1<sup>st</sup> to 9<sup>th</sup> level.

Working temperature range of scopes is -40° C up to +50° C.



# Fixed power scopes



**3,2x20 C**



**3,2x20**



**4x32**



**4x32 L**



**8x48**



**8x48 L**



**8x56**



**8x56 L**



**8x56 Lf**

*Pilad*

**P3,5x20** - The scope presents an optical tube with constant magnification and a moving mechanical reticule in the focal line of the objective. The aiming line is formed by the top of the vertical hair of the reticule. P3.5x20C model is not equipped with dioptric compensation mechanism.

**P4x32** – The fourfold magnification allows using this scope not only in the open territory, but also in the forest. The scope is shock proof owing to its proved design.

**P8x56** – This scope has got a powerful light-gathering lens of a large diameter which allows getting a wide field of view and image sharpness at the distance from 30 m even in the twilight.

P8x56Lf has got an objective overfocusing device for an anti-parallax effect.

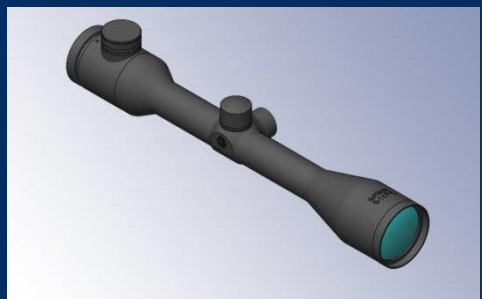
**P8x48** – The scope is similar to P8x56 by its specifications, but it is equipped with an objective of a smaller diameter. It reduces its weight and allows placing the scope onto the arms without a high mount.



# NEW rifle scopes



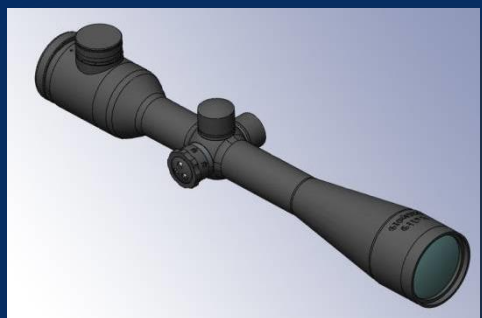
**6x42**



**6x42L**



**10x42F**



**10x42FL**

*Pilad*

**P6x42** – The scope has a classical design , used by most of manufacturers of rifle scopes. Optimal ratio of the image brightness and contrast ensures convenient shooting in any conditions. The scopes all-metal body provide resistance on using, it has new construction which includes the dynamic load appearing on the shot. The scale interval is 0.7 cm for every 100 m of distance.

**P10x42F** – the scope is equipped with objective distance overfocusing arrangement for parallax effect elimination.





# Variable power scopes



**PV2-10x48**



**PV2-10x52**



**PV2-10x52L**



**PV1,2-6x24**

*Pilad*

**PV2-10x48** – The all-metal body of the scope provides shock resistance on using. The magnification can be changed from 2 to 10.

**PV2-10x52** – The large lens diameter forms a wide-angle field of view. The multilayer enlightening covering of optics allows to use the scope in poor light conditions.

**PV1,2-6x24** – This scope with variable magnification ensures hunting animals at bay. When tossing your gun up and shooting at a short distance or at moving target the minimum magnification 1.2 is enough. The magnification can be increased up to 6 to provide more accurate shooting. In terms of convenience it may be compared with collimators, at the same time all advantages of scopes with big magnification are present. Gradual magnification change allows to stop at any intermediate level.





# Night vision scopes



**PNS2,5x50**



**PNS2,5x50 a  
mount for CZ-  
550**

**PNS 2,5x50** - Night sight with optoelectronic converter of 1<sup>st</sup> generation is used in night conditions with natural illumination. Brightness control of reticule , dioptric range of eyepiece and an objective overfocusing device are included in the sight construction. The scope has the 'weaver' slat for setting various accessories to the scope.

*Pilad*



# Reticules

	T-type	Cross	Mildot	Parabola	Parabola aligned	T-type with a dot	Cross with a dot	Galkovsky reticule	Slingshot	FFT	Pica	With strokes	Dot
					LC	LS	LK	LD	LY				
P3,5x20	+												
P3,5x20C	+												
P4x32	+	+	+	+									
P4x32L					+	+	+	+					
P6x42	+	+	+	+									
P6x42L			+		+	+	+	+					
P8x48	+	+	+	+									
P8x48L					+		+	+	+				
P8x56	+	+	+	+									
P8x56L					+		+		+				
P8x56Lf					+								
P10x42F	+	+	+	+						+			
PV 1,2-6x24	+	+	+	+									
PV2-10x48	+	+	+	+									
PV2-10x52	+			+									
PV2-10x52L					+								
PN 1,9x25													+
PNS 2,5x50											+	+	+



# Mounts ( upper fitting)



**Type II**



**Type III**



**Type VII, VIIa**



**Type VIIIa, VIIIb**



**Transient slat**

**Тип II (steel)** – mount for scopes with 25.4 mm bore diameter. It is used for arms with a ‘weaver’ slat.

**Тип III (steel)** - mount for scopes with 25.4 mm bore diameter. It is placed onto the rail with 8-16 mm width.

**Тип VII, VIIa (aluminum)** - mount for scopes with 25.4 mm and 30 mm bore diameter correspondingly. It is placed onto the rail with 12 – 13.5 mm width.

**Тип VIIIa, VIIIb(aluminum)** – a special mount for fitting the scope P3.5x20 onto the rail with 7 and 12 mm width correspondingly( IZH-94 “Taiga” and “Sever”).

**Transient slat (steel)** – slat with an upper rail “dove tail” with 13 mm width, for IZH-27 and TOZ -34 rifles.

**Transient slat “Saiga” (сталь)** – slat with a side rail “dove tail” with 14.5 mm width, it is placed onto shot gut receiver.





# Mounts (side fitting)



**V1-1**



**V3-1**



**V2-2**



**V3-2a**



**V3-2g**



**Los mount**



**Saiga slat**



**Weaver  
slat**



**Euroclamp**

**V1-1 (steel)** - mount for scopes with 25.4 mm and 30 mm bore diameter. The mount can be supplied with a “dove tail” rail.

**V2-2 (steel)** – mount for placing the night sights onto rifles «Saiga», «Tiger», «SKS», «KO-44», «KO-91».

**VIII-1(a-e) (aluminum)** - mount for scopes with 25.4 mm and 30 mm bore diameter.

**VIII-2(a,b,e) (aluminum)** – mount for placing the night sights onto rifles “Aper”, «Tiger», «Saiga».

**VIII-2(v,g,d) (aluminum)** - mounts for scopes with a “weaver” slat mount.

**Mounts VIII-1, VIII-2** are produced in 3 variations with different angles of slope for rifles “Aper” “Tiger”, “Saiga”.



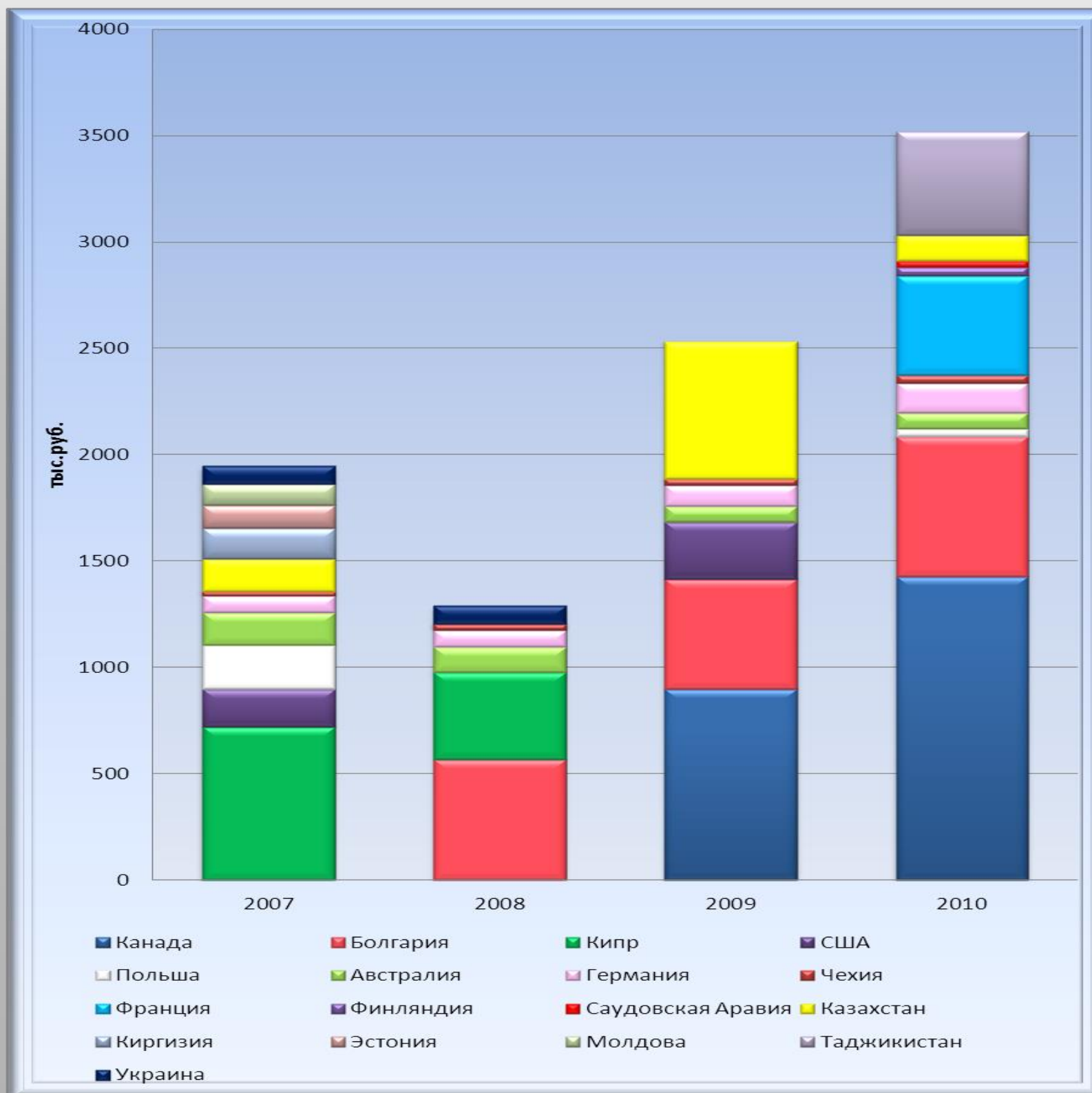
# Export

“VOMZ” JSC exports its products to 20 countries





# Export



The main export volume of consumer goods in 2007-2008 was accomplished to the following countries: Cyprus, Bulgaria, the USA, Poland. In 2009-2010 some more countries were added to this list: France, Saudi Arabia etc.





# Exhibitions

Every year “VOMZ” JSC participate in both Russian and international exhibitions. Since 2006 the enterprise participate in “IWA & Outdoor Classics” exhibition in Germany. This exhibition provides promotional support of the trade mark “Pilad” to the international market.

