plant Stroytekhnika
founded in 1990

RUSSIA'S LEADER IN PRODUCTION OF VIBRATION COMPACTION EQUIPMENT FOR CONSTRUCTION INDUSTRY. DEVELOPER AND PRODUCER OF MANUFACTURING FACILITIES «RIFEY».

RIFEY

MANUFACTURING FACILITIES AND PLANTS

Catalogue 2016

For development of "Rifey-Buran" facility, Paris, 2008

For development of»Rifey-Luch» facility, Moscow, 2007

For contribution to scientific and industrial complex development of Russia Moscow, 2007.

For development and manufacturing of "Rifey-Buran", "Kondor" facilities, Omsk, 2009.

For development and manufacturing of "Rifey-Buran"facility, Omsk, 2007.

RUSSIA'S LEADER IN PRODUCTION OF VIBRATION COMPACTION EQUIPMENT FOR CONSTRUCTION INDUSTRY. DEVELOPER AND PRODUCER OF MANUFACTURING FACILITIES «RIFEY».

Rostov Valeriy Alekseevich

Chairman of the board of directors

Our plant proudly offers to you the vibration compaction equipment of Rifey series having a notable record of use of over 25 years. Acquisition and use of the equipment will open new possibilities of life for you. Concrete blocks made with best of our manufacturing units: Buran and Kondor are competitive in quality to production that meets international standards and is made on similar equipment of foreign companies. With this, the price of the equipment made in Zlatoust is sufficiently lower than that of the world's brand equipment.

We, with all our Russian and international experience of using our equipment, dare to win your trust and become a reliable cornerstone in your business.

The facilities developed at the plant provide making high quality and exact geometrical dimensions concrete blocks for building accommodation and industrial premises, facades re-building with enhanced architectural looks and improving any landscape.
Using our equipment, you can produce the widest range of construction materials (over 150 types). These are small foundation blocks, wall, partition, facing stones, parapets, step plates, curb stones, paving slab (cobblestone), troughs, fence poles, fencing elements, grating for slopes, flowerpots, as well as special facing stones for columns and collar beams used in cast-in-place construction.

Possible stones combinations made using our equipment are so various, that the most sophisticated in aesthetic and design client will be satisfied when building a house or a territory improvement Concrete blocks are made from natural materials, which affords compiling with high ecological requirements and up-to-day production.

Inexpensive, reliable, fully-autonomous, simple in use, repairable equipment marked the beginning of a stable dynamic process that solves affordable accommodation problem in cities and villages. Rifey manufacturing units have become starting points of construction growth and creation of living environment for all NATIONAL PROJECTS OF RUSSIA

Acquisition of our equipment can produce significant changes in your life: become a businessman/woman producing construction materials either on a small production site, in a village or town, or set a full-scale factory.

The guarantee of business profitability lies not only in quality of design and technological decisions built in facilities of Rifey and Kondor trademarks, but also in the simple process of concrete blocks production, its easy adoption by first-time entrepreneurs. Buyer of any vibrocompression equipment type that is developed and made by the Stroitekhnika plant, can undoubtedly participate in any crucial tender for production and supply of concrete blocks, as well as: with minimal expenditures and in simplified conditions of production develop significant production volume of manufacturing modern small piece construction materials, meeting demands of any construction size Our buyer can be sure that the acquisition of Rifey and Kondor brick making facilities will guarantee production of full range of material kits, necessary for building a house from «foundation to roof» with modern improving of surrounding territory.

I wish all our equipment buyers audacity and decisiveness in its adopting. Creation of new production will provide not only saturation of market with excellent construction materials, but also partially solve a problem of population occupation, which is a crucial issue for Russia now.

V. A. Rostov
Chairman of Board of directors of Stroitekhnika plant,
honourary citizen of the city of Zlatoust

May, 2015.

FACTORY'S 25TH ANNIVERSARY

APRIL 26, 2015

OVER 30,000 PIECES OF EQUIPMENT WORKING IN ALL REGIONS OF RUSSIA AND ABROAD

RIFEY EQUIPMENT IS MADE ONLY WITH MODERN, HIGH-TECHNOLOGY EQUIPMENT

SOME HISTORY

When driving into the town of Zlatoust1 you will see production buildings of the Stroitekhnika plant, which were built in 1992 from the ground up on an empty pot exclusively from sales of the first production, without help of budget funds, third party capital and bank credits.

Building of the factory was initiated by defence industry engineers of Zlatoust machine building factory, which is well-known in Russia for making atomic submarine missiles, developments made by the State missile centre of Russia «KB in the name of academician V. P. Makeev» during hard times of conversion at the beginning of 1990-s.

In shortest period of time a team of specialists designs, patents and on 26 April 1990 issues a first series of «Rifey-04», which have initially manufactured wall blocks. Rifey means the Urals in ancient Greek.

The history recordings of the Stroitekhnika plant have become since 26 April 1990, the date of Rifey-04 production. During the years of soviet economy collapse and transfer to market relations, the factory has been working successfully creating new work positions.

For 25 years the factory constantly improves the equipment and takes a strong leading position among the construction industry companies in Russia.

In 2007-2009 the factory has made a radical modernization of its equipment and built new production buildings. A successful stable position of the factory now may be described with the following: young qualified regular labour force are working for a respectable salary in light and warm workshops on the latest equipment directed by creativity-minded designers, technologists and production foremen.

In 2011 the factory begins a new stage in its material and technical re-equipment, a 1000th Kondor is sold, a new facility Rifey-Polus begins winning the market. In 2012 the factory emerges with new prospects, marking the beginning of the year with start of gym building for the factory workers and a new site for advertisements «Exhibition and demonstration hall.» Namely these buildings becomes a demonstrating example of three-layer heat efficient blocks (heat block) and new technologies used in construction. Besides this, the gym is a symbol of the factory's directors care for health and recreation of their workers, while the new «Exhibition and demonstration hall" is a modern advertising site for the factory's vibrocompression equipment and all types of blocks made with it. In 2013 the factory commenced producing Concrete plants: RB-25 and RB-45, also presenting a new vibrocompression facility - Rifey-Udar. In 2013-2015 the plant increases productive capacity opening new production sites.

On April 26 the Stroytekhnika plant celebrated its 25th anniversary.

For the last three years, the plant has been developing actively in socio-cultural sphere. Built for the plant's own cost, in June

2015 the Mountain Park named after P.P. Bazhov was opened.

ADVANTAGES OF RIFEY EQUIPMENT

• High productivity
• Fast pay-off period of equipment:
depending on type of the equipment bought, technological readiness of the production building
used, type of production manufactured, cost of cement, workload, personnel training level.
• Simple operation and maintenance.
• High repairability.
• Easy maintenance: almost any type of building may be used, open air operation possible
in a wide range of environment temperatures.
• «Omnivorous» equipment: as aggregate almost any rough material may be used. Cheap rough material - cheap construction material.
• Small equipment size: area required: 20-200 sq.m.
• Short period of start-up and adjustment: 1 to 5 work days.
• Fast shift to manufacturing of other production type: thanks to easy change of mould.
• Wide variety of production manufacturing: over 100 types.
• Various moulds: customer may order any moulds for blocks of different forms and dimensions that are not included in the factory's catalogue.

Rifey is a production of over 100 types of small piece concrete construction materials of various form, colour, designation.

Rifey means available moulds of almost any geometrical specifications, made to customer's order.

Different local accessible materials used as aggregate: sands, sifting of breakstone production, slags, calces, claydite, saw dust, mineral wool plate production wastes, etc + cement.

Rifey makes all for house foundations and case, including creation of modern living environment.

Recommended version of construction materials production - Rifey-Buran facility example

OVER 100 TYPES OF CONSTRUCTION MATERIALS

• foundation mini blocks
• building blocks
• face-stone
• constructional form blocks for collar beams
• constructional form blocks for columns
• carnices
• step plates
• parapets
• vent ducts
• border stones
• curb stones
• paving slabs
• fence poles
• fencing elements
• flowerpots
• troughs
• gratings for slope protection
• bricks for secondary use in furnaces made from mineral wool production waste
• saw dust bricks for use as a fuel

The materials have excellent specifications of hardness, temperature conductivity, stable and exact geometric dimensions, a wide range of colours, low price. A high adhesion coefficient of laying due to low water absorption of blocks provides for better-quality plastering of walls without shrinkage cracks and at one go. Laying of blocks as compared to traditional bricks needs less mortar. High block hardness excludes breakage. Laying speed increase when using the blocks of bigger dimensions decreases laying time and labour costs. Bricklayer salary expenditures decrease by 30%

Concrete plant

RIFEY-BETON 25

Specifications	
Plant's productivity capacity	25 m^3/h.
installed power, kW	33,5

Working mode - automatic

Dimensions	
length, mm	16500
width, mm	2720
height, mm	7900

Contents of delivery include:

1. Mixer SG-750-S
2. Skip hoist PS-600 (with hoisting unit).
3. Aggregate batcher DZ-10.
4. Concrete batcher DC-200.
5. Water batcher DV-150.
6. Console with automatic control system.
7. Screw conveyor. Productivity capacity - 17 m3/h.
8. Trestle.
9. Compressor.
10. Assembly kit (metal hardware, wires, foundation bolts, etc.).

Options

1. Chemical additives batcher
2. Big-bags debagger
3. Cement silo

Concrete plant

RIFEY-BETON 45

Specifications	
Plant's productivity capacity	45 m³/h.
installed power, kW	58

Dimensions	
length, mm	24000
width, mm	3800
height, mm	7900

Mixer BP-2G-1500	30 kW
Skip PS-1500	11 kW
Aggregate batcher DZ-28	9,5 kW
Compressor.	7,5 kW
Total:	58 kW

Working mode - automatic

Contents of delivery include:

1. Mixer BP-2G-1500
2. Skip hoist PS-1500 (with hoisting unit).
3. Aggregate batcher DZ-28 (4x7).
4. Concrete batcher DC-400.
5. Water batcher DV-300.
6. Console with automatic control system.
7. Pneumatic equipment.
8. Trestle E-2.
9. Assembly kit (metal hardware, wires, foundation bolts, etc.)

Options:

1. Chemical additives batcher
2. Cement silo
3. Screw conveyor

Equipment

NEW

RIFEY-POLUS+BETON 25

Productivity capacity per one work shift	
wall stones 390x190x188 mm	3400 pcs.
paving slab 200x100x70 mm	400 m^2
border stones 1000x150x300 mm	560 pcs.
commercial concrete 25	25 m^3/h.

Specifications	
weight, tons	12,9
installed power, k	58

Facility includes:

1. Vibration compactor Rifey-Polus
2. Concrete plant RB-25
3. Rotating conveyor 5 m.

Комплект поставки:

1. Rifey-POLUS vibration compaction complex
2. Mixer SG-750-S
3. Skip hoist PS-600 (with hoisting unit).
4. Rotating conveyor 5 m.
5. Aggregate batcher DZ-10.
6. Concrete batcher DC-200.
7. Water batcher DV-150.
8. Console with automatic control system.
9. Screw conveyor. Productivity capacity - 17 m3/h.
10. Trestle.
11. Compressor.
10. Assembly kit (metal hardware, wires, etc.)

Options:

1. Silo (or debagger)

RIFEY-BURAN M

Production facility

Specifications	
weight, kg	9300
installed power, kW	36,2

Dimensions	
length, mm	7400
width, mm	7500
height, mm	3450

Productivity capacity per one work shift	
wall stones 390x190x188 mm	4000 pcs.
paving slab 200x100x70 mm	450 m^2
border stones 1000x150x300 mm	640 pcs.
partition blocks* 390x120x188 mm	5600 pcs.

RIFEY-BURAN M

Delivery contents::

1. Rifey-Buran M vibrating compactor
7. Mixer SG-750
8. Conveyor 7,4
2. Mix loading module
3. Pallet feeding module
4. Control console
5. Pump set
6. Rack 2 pcs.
9. Pallets 15 pcs.

RIFEY-BURAN SD

Production facility

NEW

Specifications	
weight (not including silo), kg	10900
installed power, kW	57,2

Vibration compactor dimensions	
length, mm	20000
width, mm	8000
height (not including silo), mm	3700

Productivity capacity per one work shift	
wall stones 390x190x188 mm	4000 pcs.
paving slab 200x100x70 mm	450 m^2
border stones 1000x150x300 mm	640 pcs.

RIFEY-BURAN SD

Contents of delivery

1. Aggregate batcher DZ-10.
2. Aggregate bin
3. Belt conveyor KL-500-5,0
4. Weight batcher BD-750-SD
5. Mixer
6. Belt conveyor KL-650-7,0
7. Rifey-BURAN vibration compactor
8. Control console PU-A
9. Screw conveyor
10. Compressor.

Options:
1. Silo (or debagger)

- Very simple and productive design of Rifey-Buran SD complexes provides manufacturing of necessary production volume in short time.
- In automatic control mode, vibration compactor, batching system, and pallet feeding module work without operator, which excludes «human factor» and provides vibration compactor's productivity increase up to 20 %

RIFEY-POLUS

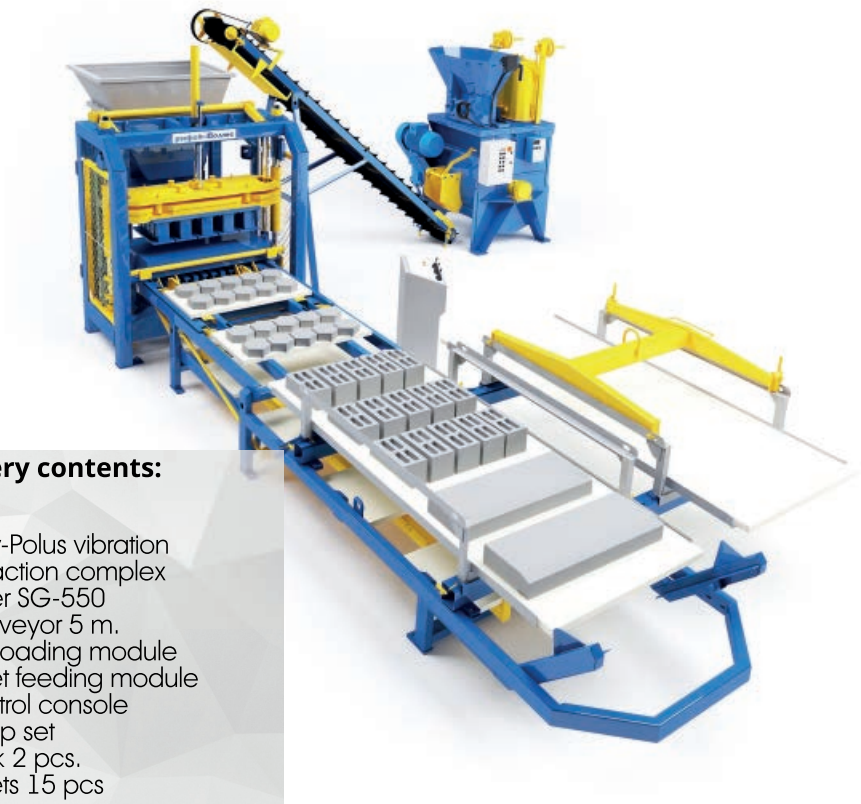
Production facility

Specifications	
weight, kg	7500
installed power, kW	33

Dimensions	
length, mm	7400
width, mm	8400
height, mm	3000

Productivity capacity per one work shift	
wall stones 390x190x188 mm	3400 pcs.
paving slab 200x100x70 mm	400 m²
border stones 1000x150x300 mm	560 pcs.
partition blocks* 390x120x188 mm.	4800 pcs.

RIFEY-POLUS



Delivery contents:

1. Rifey-Polus vibration compaction complex
2. Mixer SG-550
3. Conveyor 5 m.
4. Mix loading module
5. Pallet feeding module
6. Control console
7. Pump set
8. Rack 2 pcs.
9. Pallets 15 pcs

RIFEY-POLUS SD

Production facility

NEW

Specifications	
weight (not including silo), kg	10900
installed power, kW	57,2

Vibration compactor dimensions	
length, mm	20000
width, mm	8000
height (not including silo), mm	3700

Productivity capacity per one work shift	
wall stones 390x190x188 mm	4000 pcs.
paving slab 200x100x70 mm	450 m²
border stones 1000x150x300 mm	640 pcs.

RIFEY-POLUS SD

Contents of delivery include:

1. Aggregate batcher DZ-10.
2. Aggregate bin
3. Belt conveyor KL-500-5,0
4. Weight batcher BD-750-SD
5. Mixer
6. Belt conveyor KL-650-7,0
7. Rifey-POLUS vibration compaction complex
8. Control console PU-A
9. Screw conveyor
10. Compressor

Options:
1. Silo (or debagger)

- Very simple and productive design of Rifey-POLUS SD complex provides manufacturing of necessary production volume in short time.
- In automatic work mode, batching system works without operator, which excludes «human factor».

RIFEY-UDAR

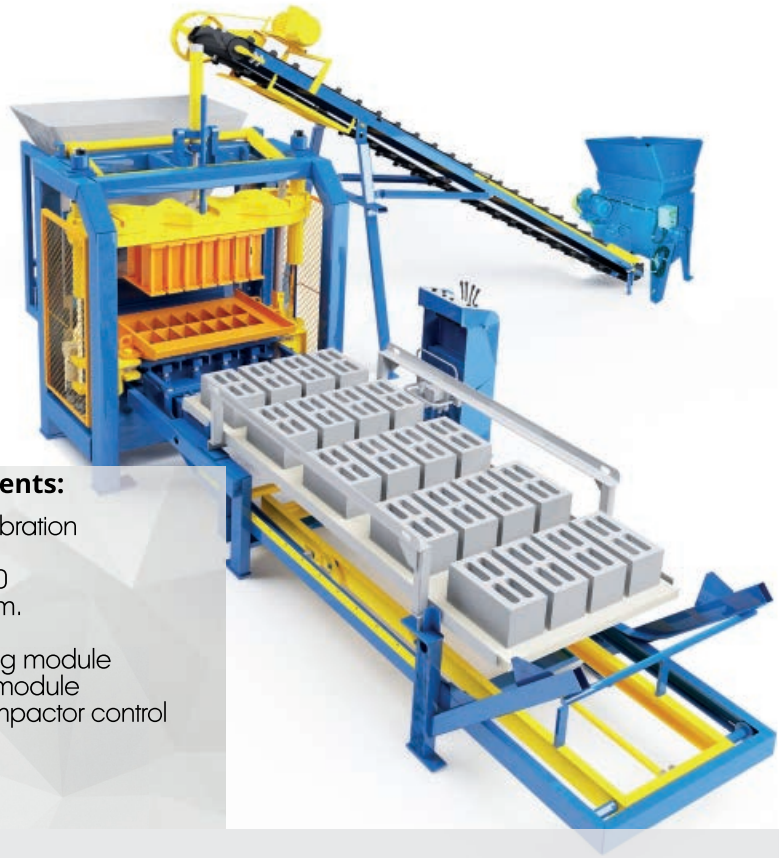
Production facility

Specifications	
weight, kg	4600
installed power, kW	21,6

Dimensions	
length, mm	6670
width, mm	4900
height, mm	2730

Productivity capacity per one work shift	
wall stones 390x190x188 mm	2720 pcs.
paving slab 200x100x70 mm	224 m²
border stones 780x300x150 mm	575 pcs.
partition blocks 390x120x188	4100 pcs.

RIFEY-UDAR



Delivery contents:

1. Rifey-UDAR vibration compactor
2. Mixer SG-350
3. Conveyor 5 m.
4. Batcher
5. Pallets feeding module
8. Mix loading module
6. Vibration compactor control console
7. Pump set
8. Rack 1 pcs
9. Pallets 8 pcs

RIFEY-UDAR-R SD

Production facility

NEW

Specifications	
weight, kg	9400
installed power, kW	54,7

Vibration compactor dimensions	
length, mm	20000
width, mm	8000
height (not including silo), mm	3700

Productivity capacity per one work shift	
wall stones 390x190x188 mm	2720 pcs.
paving slab 200x100x70 mm	224 m²
border stones 780x300x150 mm	575 pcs.

RIFEY-UDAR-R SD

Комплект поставки:

1. Aggregate batcher DZ-10.
2. Aggregate bin
3. Belt conveyor KL-500-5,0
4. Weight batcher BD-750-SD
5. Mixer
6. Belt conveyor KL-650-7,0
7. Rifey-UDAR vibration compactor
8. Control console PU-A
9. Screw conveyor
10. Compressor

Options:
1. Silo (or debagger)

- Very simple and productive design of Rifey-UDAR SD complex provides manufacturing of necessary production volume in short time.
- In automatic work mode, batching system works without operator, which excludes «human factor».

RIFEY-04Ts | RIFEY-05

Production facility

RIFEY-04Ts

Specifications	
weight, kg	2080
installed power, kW	13,35

Dimensions	
length, mm	5500
width, mm	2600
height, mm	2665

Productivity capacity per one work shift (8 hours)	
wall stones 390x190x188 mm	1200 pcs.

Delivery contents:

1. Mixer SV-90
2. Conveyor 3,5 m.
3. Compactor Rifey-04
4. Pump set
5. Electrical cabinet.
6. Control console

Production facility

RIFEY-05 M1

Specifications	
weight, kg	3000
installed power, kW	14,8

Dimensions	
length, mm	8500
width, mm	2150
height, mm	2600

Productivity capacity per one work shift (8 hours)	
wall stones 390x190x188 mm	1200 pcs.
paving slab 200x100x70 mm	80 m^2
border stones* 780x300x150 mm	320 pcs.

Delivery contents:

1. Mixer SV-90
2. Conveyor 3,5 m.
3. Compactor Rifey-05
4. Buffer silo.
5. Buffer silo rack.
6. Pallet with ready materials
7. Cart
8. Pump set
9. Vibration compactor control console
10. Electrical cabinet

RIFEY-RAM

Production facility

NEW

Rifey-Ram 90TP
Rifey-Ram 90T

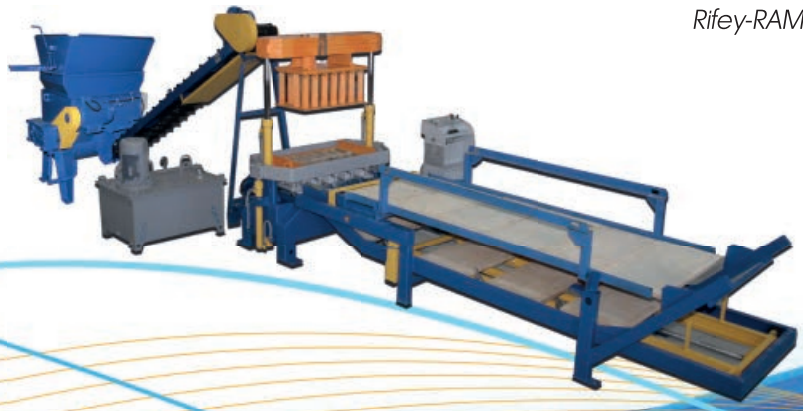
Specifications	
installed power, kW	21,6

Vibration compactor dimensions	
length, mm	4700
width, mm	2000
height, mm	2270

Productivity capacity per one work shift	
wall stones 390x190x188 mm	from 1200 pcs.
pcs. paving slab 200x100x70 mm	from 104 m^2

*Productivity capacity depends on facility type delivered

Rifey-RAM 350TP



Small-scale facilities KONDOR series

10 configuration versions

VERSION No1 «KONDOR» Base model

Contents of delivery include:

1 Vibration compactor
2 Matrix
3 Mixer, V=90 l
4 Conveyor
5 Bin
6Control console 7pump set
8 Rack
9 Pallet, 5 pcs.

*are included in delivery set

Specifications:

Name	Installed power, kW	Weight, kg	Dimesions, mm
-Vibration compactor	4,4	610	length: 5000
-Matrix	-	100	width:
-Mixer, V=90 l.	7,5	315	1500
-Conveyor	1,1	110	height:
-Bin	-	80	2800
Total:	13.0	1215	

Производительность установки в одну смену (8 часов), персонал 2 чел.:

Стеновые камни 390x190x188 мм	550 шт.
Перегородочные камни 390x120x188 мм	800 шт.
Тротуарная плитка 200x100x70 мм	45 м²

VERSION No2 «BIKONDOR» Base model

Contents of delivery include:

1 Vibration compactor, 2 pcs.
2 Matrix, 2 pcs.
3 Mixer, V=90 l
4 Conveyor
5 Double bin
6 Control console
7 Pump set
8 Rack, 2 pcs.
9 Pallet, 10 pcs.

*are included in delivery set

Specifications:

Name	Installed power, kW	Weight, kg	Dimesions, mm
-Vibration compactor	4,4	610	length: 5000
-Matrix	-	100	width:
-Mixer, V=90 l.	7,5	315	1500
-Conveyor	1,1	110	height:
-Bin	-	80	2800
Total:	13.0	1215	

Facility productivity per one work shift (8 hours), personnel 2:

Wall stones 390x190x188 mm	550 pcs.
Partition blocks 390x120x188	800 pcs.
Paving slab 200x100x70 mm	45 m²

VERSION No3 «TRIKONDOR» Base model

Contents of delivery include:

1 Vibration compactor, 3 pcs.
2 Matrix, 3 pcs.
3 Mixer, V=350 l
4 Conveyor
5 Triple bin
6Control console 7pump set
8 Rack, 3 pcs.
9 Pallet, 15 pcs.

*are included in delivery set

Specifications:

Name	Installed power, kW	Weight, kg	Dimesions, mm
-Vibration compactor	4,4	610	length: 5000
-Matrix	-	100	width:
-Mixer, V=90 l.	7,5	315	1500
-Conveyor	1,1	110	height:
-Bin	-	80	2800
Total:	13.0	1215	

Facility productivity per one work shift (8 hours), personnel 2:

Wall stones 390x190x188 mm	550 pcs.
Partition blocks 390x120x188	800 pcs.
Paving slab 200x100x70 mm	45 m²

220 Volt

VERSION No4

KONDOR-1

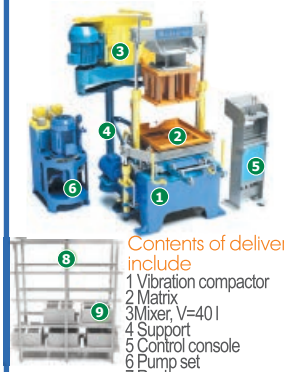
Contents of delivery include:

1Vibration compactor
2 Matrix
3 *Control console
4 Pump set

* are included in delivery set

VERSION No5

KONDOR-1-40



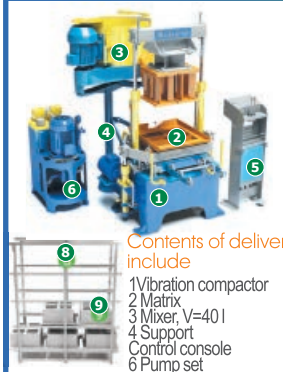
Contents of delivery include

1 Vibration compactor
2 Matrix
3Mixer, V=40 l
4 Support
5 Control console
6 Pump set
7 Rack
8 Pallet, 5 pcs.

* are included in delivery set

VERSION No6

KONDOR-1-40



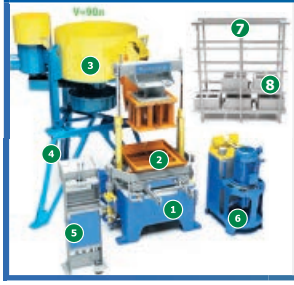
Contents of delivery include

1Vibration compactor
2 Matrix
3 Mixer, V=40 l
4 Support
Control console
6 Pump set
7 Rack
8 Pallet, 5 pcs.

*are included in delivery set

VERSION No7

KONDOR-1-90



Contents of delivery include:

1 Vibration compactor
2 Matrix
3 Mixer, V=90 l
4 Support
Control console
6 Pump set
7 Rack
8 Pallet, 5 pcs

* are included in delivery set

VERSION No8

KONDOR-1-300-TB

Contents of delivery include:

1Vibration compactor
2 Matrix
3 Mixer, V=300 l
4 Conveyor
5 Bin
6Control console 7pump set
8 Rack
9 Pallet, 5 pcs

*are included in delivery set

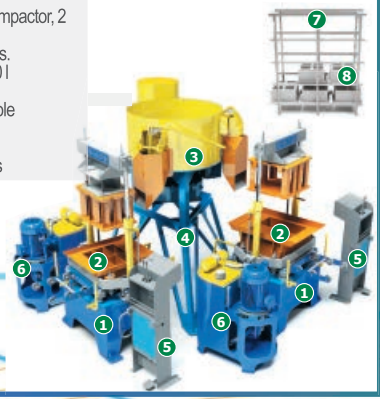
VERSION No9

BIKONDOR-90

Contents of delivery include:

1Vibration compactor, 2 pcs.
2 Matrix, 2 pcs.
3 Mixer, V=90 l
4 Support
Control console
6 Pump set
7Rack, 2 pcs.
8 Pallet, 5 pcs

* are included in delivery set



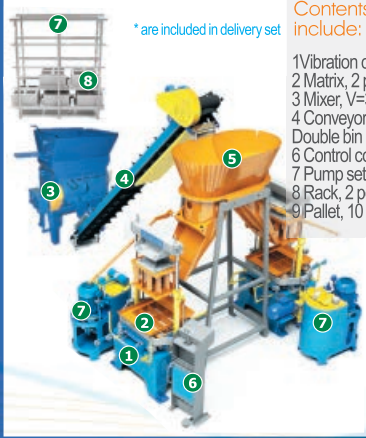
VERSION No10

BIKONDOR-300-TB

* are included in delivery set

Contents of delivery include:

1Vibration compactor, 2 pcs.
2 Matrix, 2 pcs.
3 Mixer, V=350 l
4 Conveyor 5m.
Double bin
6 Control console
7 Pump set
8 Rack, 2 pcs.
9 Pallet, 10 pcs.



OPTIONAL EQUIPMENT

BELT CONVEYOR 1=7,4M

BELT CONVEYOR 1=5.5 M

BELT CONVEYOR 1=3,5M

SCREW CONVEOYR

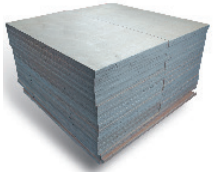
Designation:
transporting cement from silo to mixer

* length: 3/6/9 metres

Specifications		
Productivity m^3/min		0,1
Installed power, kW		3
Weight, kg		250
Dimensions	length, mm	from 3000
	width, mm	700
	height, mm	1700
Heght of raise, m		0,55
Auger length, m		3,3

PALLETS

Buran—600x1150x40 mm
Universal, Rifey-05—450x900x30 mm
Kondor—450x450x20 mm



RIFEY-KOLUN

Designation:
splitting stones for getting a decorative surface looks.

Specifications		
Maximal force on blades, kg		28000
Blades length, mm		500
Maximal split size, mm		400x200
Installed power, kW		7,5
Pressure	before multiplier gear, MPa	9
	in working cylinders, MPa	15
Dimensions	length, mm	2100
	width, mm	1500
	height, mm	2000
Weight, kg		800

FLOOR MIXERS

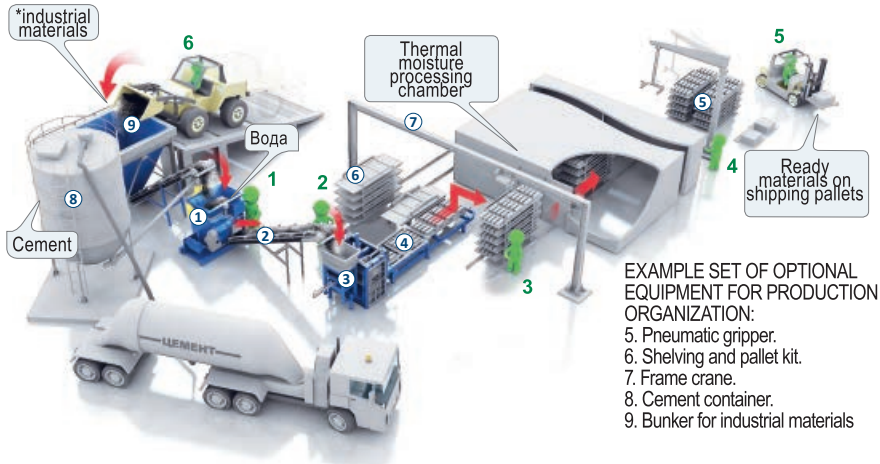
STONES MADE BY RIFEY AND KONDOR FACILITIES

VARIANTS OF USING DIFFERENT LEVELS OF MECHANISATION IN CONSTRUCTION MATERIALS PRODUCTION

Variant 1. (MINIPLANT)
High level of production mechanization
minimising hand-labour with RIFEY-BURAN complex example use

RIFEY-BURAN COMPLEX:
1. Mixer, batcher.
2. Conveyor.
3. Vibration compactor.
4. Buffer silo

OPERATING PERSONNEL:
1. Mixer and conveyor operator.
2. Vibration compactor operator.
3. Electric hoist operator.
4,5,6. Warehouse worker (pneumatic gripper operator, automatic loader driver).



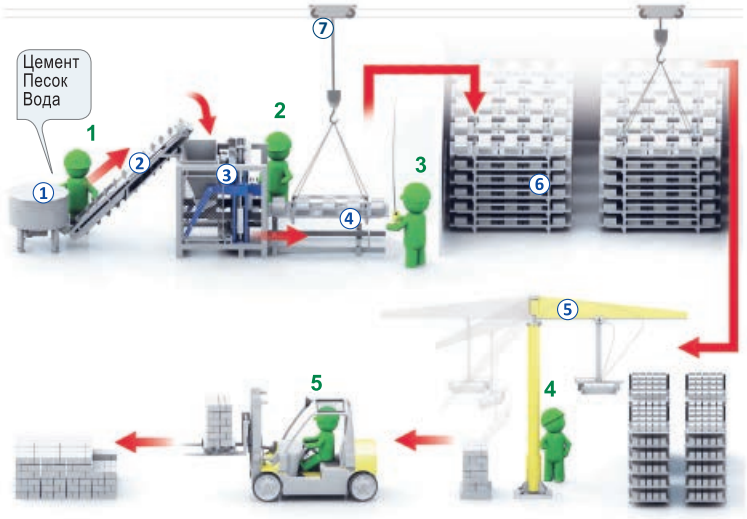
EXAMPLE SET OF OPTIONAL EQUIPMENT FOR PRODUCTION ORGANIZATION:
5. Pneumatic gripper.
6. Shelving and pallet kit.
7. Frame crane.
8. Cement container.
9. Bunker for industrial materials

Variant 2. High level of production mechanisation with example of using RIFEY-UDAR

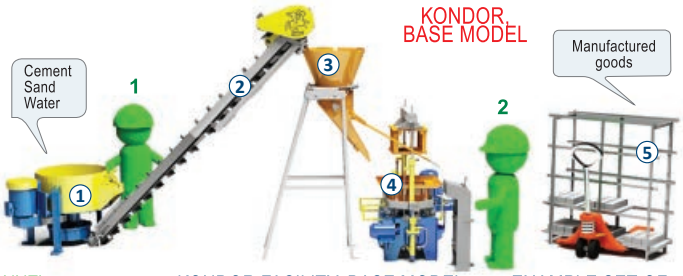
RIFEY-UDAR COMPLEX
1. Mixer.
2. Conveyor.
3. Vibration compactor.
4. Buffer silo.

EXAMPLE SET OF OPTIONAL EQUIPMENT FOR PRODUCTION ORGANIZATION:
5. Pneumatic gripper.
6. Shelving and pallet kit.
7. Frame crane

OPERATING PERSONNEL:
1. Mixer and conveyor operator.
2. Vibration compactor operator.
3. Electric hoist operator. 4,5. Warehouse worker (pneumatic gripper operator, automatic loader driver).



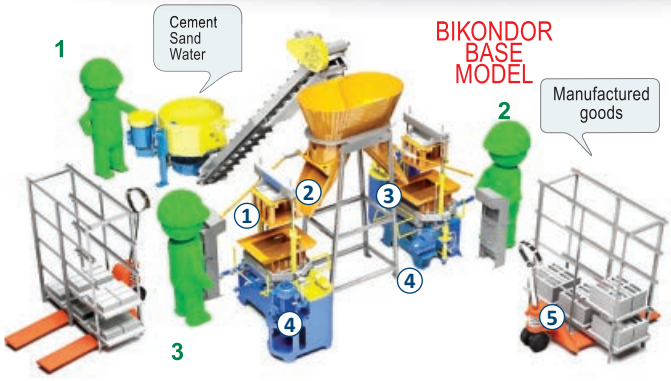
Variant 3. Minimal mechanisation level of production with example use of KONDOR, BIKONDOR, TRIKONDOR.



OPERATING PERSONNEL:
1. Mixer and conveyor operator.
2. Vibration compactor operator.

KONDOR FACILITY, BASE MODEL:
1. Mixer.
2. Conveyor.
3. Bin
4. Vibration compactor.
5. End production shelving

EXAMPLE SET OF OPTIONAL EQUIPMENT FOR PRODUCTION ORGANIZATION:
6. Shelving and pallet kit

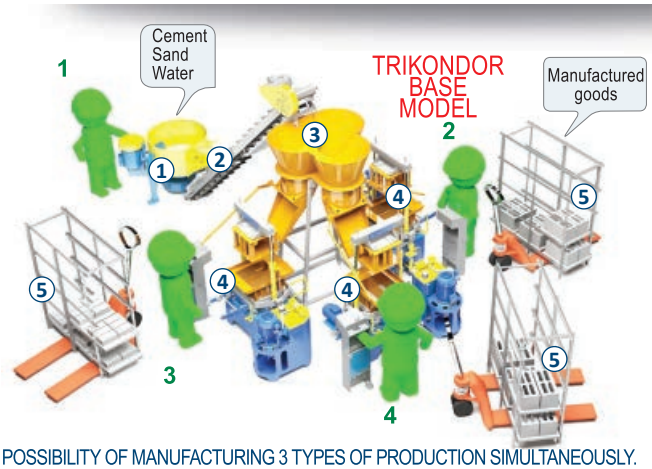


OPERATING PERSONNEL:
1. Mixer and conveyor operator.
2,3. Vibration compactor operator.

BIKONDOR FACILITY, BASE MODEL
1. Mixer.
2. Conveyor.
3. Double bin.
4. Vibration compactor, 2 pcs.
5. Shelving and pallets for end production, 2 pcs.

EXAMPLE SET OF OPTIONAL EQUIPMENT FOR PRODUCTION ORGANIZATION:
6. Shelving and pallet kit.

POSSIBILITY OF MANUFACTURING 2 TYPES OF PRODUCTION SIMULTANEOUSLY.



OPERATING PERSONNEL:
1. Mixer and conveyor operator.
2,3,4. Vibration compactor operator.

TRIKONDOR FACILITY BASE MODEL:
1. Mixer.
2. Conveyor.
3. Triple bin.
4. Vibration compactor, 3 pcs.
5. Ready production rack, 3 pcs

EXAMPLE SET OF OPTIONAL EQUIPMENT FOR PRODUCTION ORGANIZATION:
6. Shelving and pallet kit

POSSIBILITY OF MANUFACTURING 3 TYPES OF PRODUCTION SIMULTANEOUSLY.

NEW

RIFEY-KONTUR FACILITY FOR PRODUCTION OF POLYSTYRENE INSERTS FOR THERMAL BLOCKS

Rifey-KONTUR facility is designed for manufacturing polystyrene inserts for thermal blocks of following types:

- Wall course thermal block
- Wall corner thermal block
- Wall opening thermal block

PALLET DISMANTLING DEVICE FOR KONDOR FACILITY

weight, kg		172
installed power, kW		930
Dimensions	length, mm	2750
	width, mm	950
	height, mm	2252

ПРЕИМУЩЕСТВА ИСПОЛЬЗОВАНИЯ ПСП:

1. There is no need for additional worker to assist vibration compactor operator.
2. Sufficiently easier work of vibration compactor operator.
3. Electric hoist unit 220v: the dismantling device may be used in any version of KONDOR facility.

NEW

«LEGO» BRICK

«Lego» brick - is a stone for wall and facing . The brick is made with Kondor-1 vibration compactor.

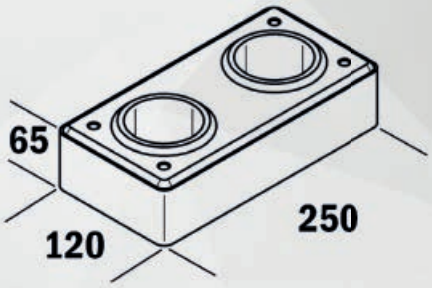
«LEGO» BRICK ADVANTAGES:

Thanks to two lead holes the brick is laid quickly and precisely with ideal even surface.

Used for building cottages, dachas, houses, fences, as well as low storey buildings.

Exact geometrical dimensions 250x120x65, a beautiful looks, even and smooth sides.

Low water absorption, high coefficient of resistance to frost R300.



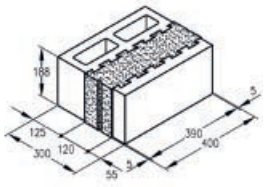
THERMAL BLOCK

THREE LAYER HEAT EFFICIENT STONE MADE WITH KONDOR FACILITY.

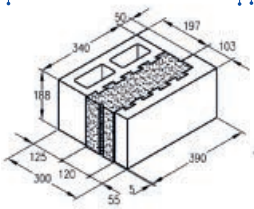
Walls of a building made of three-layer heat efficient blocks have increased heat-transfer resistance. This results in sufficient decrease of labour intensity, construction materials consumption and decrease the building heating expenses.

BLOCK TYPES

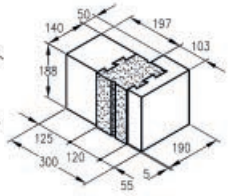
COURSE STONE



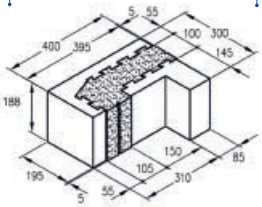
APERTURE STONE

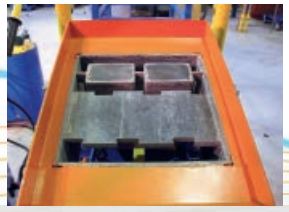


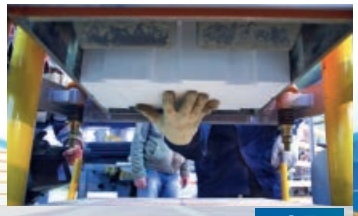
NON STANDARD PRECAST APERTURE STONE



CORNER STONE







EXAMPLE:
THE BELL - TOWER

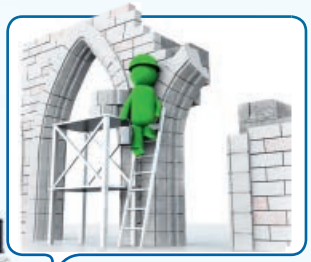
In 2006, taking only 6 months to complete by workers and funds of Stroytekhnika plant, a unique architectural design «the Bell tower» with chapel of Ioan Zlatoust was built in the town of Zlatoust. Earlier a similar construction would take many years.

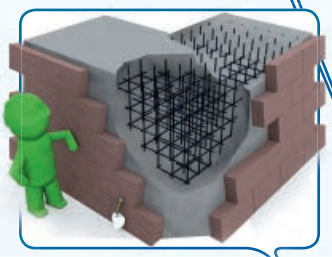
All construction and finishing materials are 100% made with Rifey complexes. Stones have ideal form, quality, colour, structure, compaction degree. It is the first time in the world industry practice stones with such specifications were manufactured. Main components - white cement and marble sand.

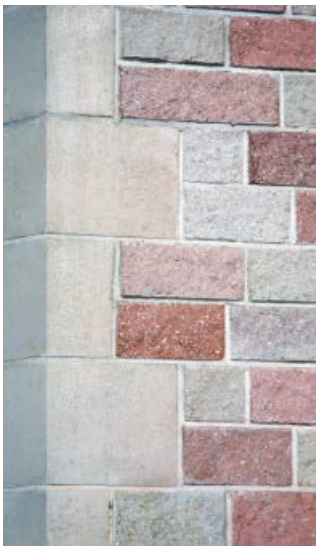
Magnificent relief looks of the tower outer surface (carnice, set off, outlines of windows and doors, etc.) was achieved not with fretwork, stone cutting or decorative laying but with use of complex configuration stones, formed in special matrices developed to drafts of the tower designers.

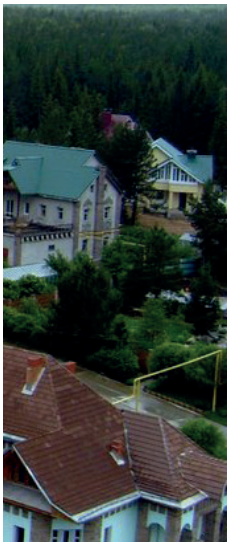
Special stones forms developed for the tower

- aperture facing stone
- stone
- split facing stone 380x120x90
- wall stone corner stone 45o
- wall stone solid brick 390x188x190
- block 510x250x120
- stone copestone No1
- stone copestone No2
- copestone No3



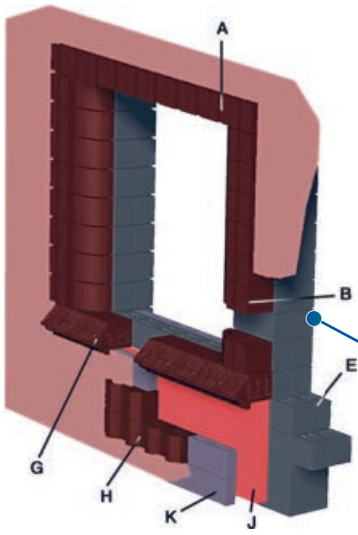




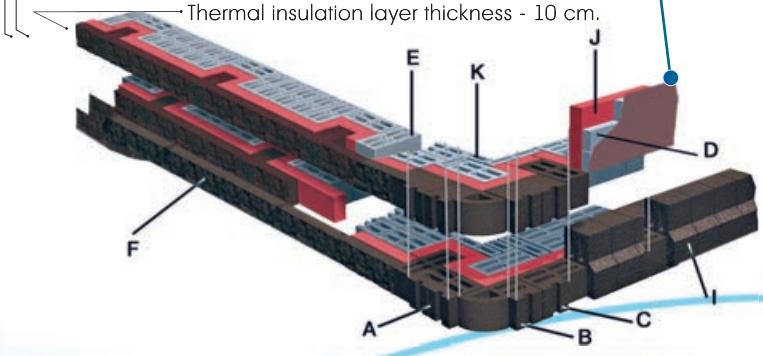


EXAMPLE:
KRASNAYA GORKA SETTLEMENT

This is the name of a residential district made by the Storytekhnika plant for its workers, located in centre of the city of Zlatoust. Unique looks of the district proves an efficient application of the whole wide range of concrete block types manufactured with Rifey complexes. Wall and finishing stones, cornices, paving slabs, curb stones, troughs, fence poles, slope protection, lawn pavements have determined an architectural looks of the buildings. Use of Rifey complexes immediately in construction area provided completion of the Krasnaya Gorka just in 3 years.

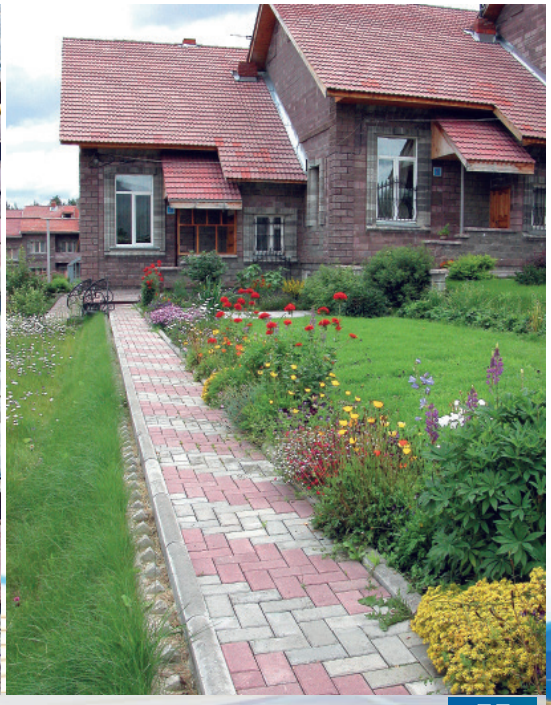


Facing layer thickness - 9 cm.
Thermal insulation layer thickness - 10 cm.
Thermal insulation layer thickness - 10 cm.



Our equipment manufacture a wide range of construction materials
(from foundation to roof) necessary for building.
Thanks to a huge range of stones' choice, looks of house is limited only by your fantasy.

A. Wall stone
B. Wall stone
C. Wall stone
D. Wall stone «Thickened brick»
E. Hollow wall stone
F. Split facing stone
G. Cornice stone «Sandrick»
H. Decorative facing stone
I. Cornice stone «Sapozhok»
J. Thermal insulation
K. Hollow wall stone
L. Facing tile
M. Tychek three quarters



EXAMPLE:
MOUNTAIN PARK

MOUNTAIN PARK NAMED AFTER P.P. BAZHOV IS LOCATED IN THE MOST PICTURESQUE PART OF ZLATOUST - KRASNAYA GORKA SETTLEMENT, NEAR CULTURAL COMPLEX
Bell Tower With Chapel of St. John Chrysostom

Building of the Mountain park was made with Mansurovsk and Berdyaushevsk granite, Atlansk marble, rock material from Radostniy quarry, unique residual rocks of Urenga chain mountain, malachite and azurite from Mikheevskiy quarry, gabbro from Karelia, grren marble from Berezovskiy quarry and unique rocks of Malyshevskoye deposit.

All construction and finishing materials were made with Rifey complexes. The mountain park area is paved with slabs of various form and structure, while sports ground has trauma protecting coating.

Pavillions «Khronograf Zlatousta»(St.John Chrysostom's chronograph), «Oruzheinaya masterskaya» (weapons workshop), «Sozvezdiya samotsvetov» (constellation of gem»), «Veselukhin Lozhok» (Veselushkin ravine) are located in Bazhov gallery of the park. The pavillions of the Bazhov gallery represent bright periods of Zlatoust town history, disclose secrets of damask steel blade - a world famous technology, Zlatoust steel engraving, minerals and gems of the Urals. In Pavillion «Veselukhin Lozhok» guests may drink a cup of flavoury tea from samovar «Illiya of Murom». A sports ground with modern soft coating is located on the park territory.

EXAMPLE:
THE PLANT'S HOTEL IN SOCHI

In 2004 within only 6 months, the Stroytekhnika plant built a hotel in Sochi - a future host city for the Winter Olympics.

High speed of construction was achieved thanks to use of special configuration concrete stones. These stones were made immediately at the construction site with Rifey facility. Picture on the right: used stones have marks A, B, C, D.

Due to high seismic activity of the region, the building should have special hardness, but a traditional method of using solid concrete pieces with metal frame (reinforcement) is a labour consuming and expensive process. Therefore, another original combination method was found. The walls were made of concrete blocks reinforced with solid reinforced concrete beams (collar beams) and columns.

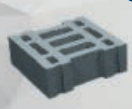
A new unique and economic technology of placing concrete in beams and columns without timbering was created. Instead of timbering stones B, C, A were used.

All these together with solid concrete interfloor coverings provided a uniform, hard building structure.

In 2014, namely in the year of Sochi Winter Olympics, the plant's hotel will celebrate its first milestone anniversary - 10 years.

MAIN STONES USED IN CONSTRUCTION

A



Concrete brick No183 for laying walls.

B

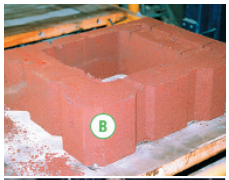
Facing stone No192,2 for placing concreting vertical columns.

C

Facing stone No191 for concreting horizontal beam (collar beam) (uneven sides)

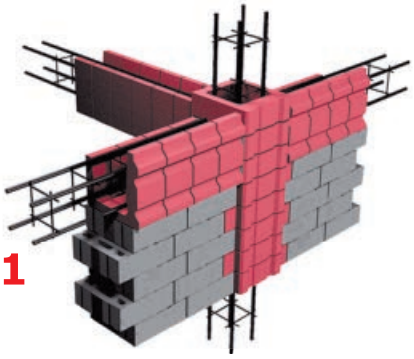
D

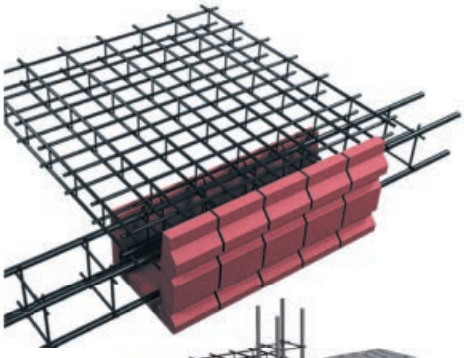
Facing stoneNo187 for concreting horizontal beam (collar beam) (even sides)



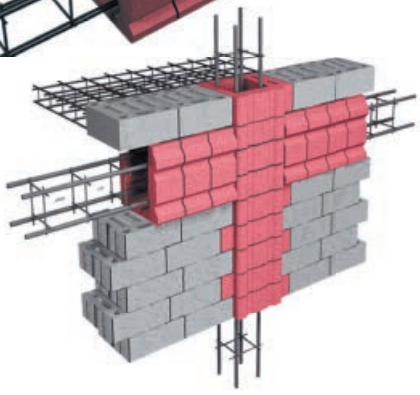
1
2

D
C


1


2

3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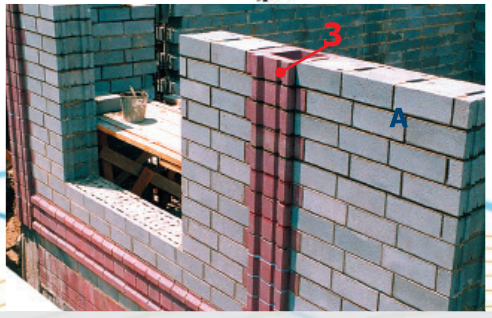

3
A

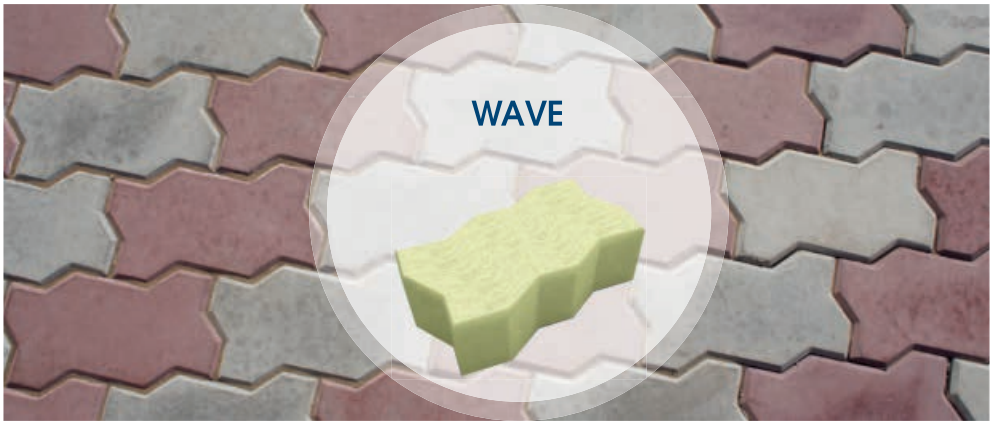
4
A

RECTANGULAR

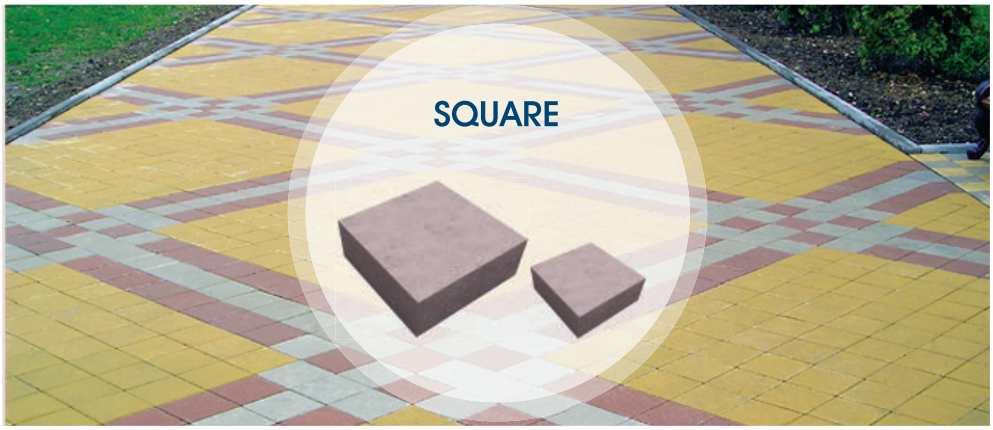
RHOMBUS

MODULE

HEXAEDER
STRETCHED


WAVE

HEXAGON


SQUARE

BOBBIN

STOUT

ROUND

FAN

STEP PLATE

GRATING
«LAWN DIAGONAL»

GRATING
«RECTANGULAR»

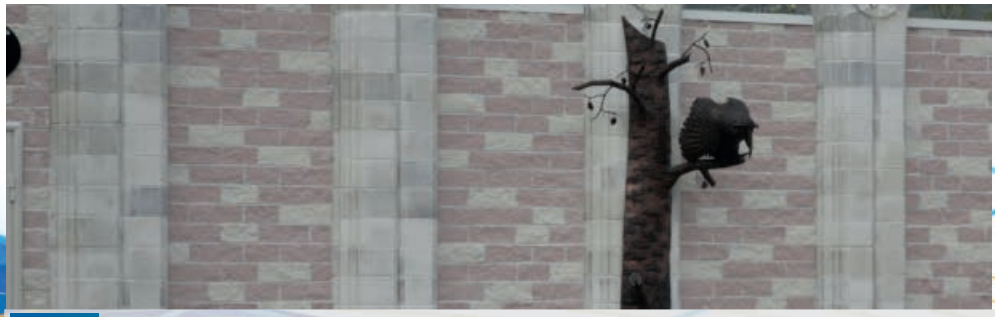
GRATING
«GARDEN»

FLOWERPOT B-1
«REINFORCED»

FLOWERPOT B-3
«GREEN WALL»

FLOWERPOT B-2
«RASTER»

SPLIT FACING STONE
a
390
88
95
6
88
95
190
88
125
250



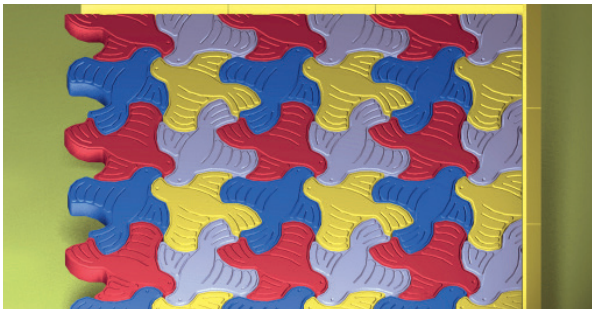
ART-STONE PROJECT

Forms of paving slab for decorative paving, SERIES: «BIONIKA»

PAVING SLAB
«TWO FISHES»

PAVING SLAB
«BUTTERFLY»

PAVING SLAB
«DOVE»



PAVING SLAB
«LIZARD»

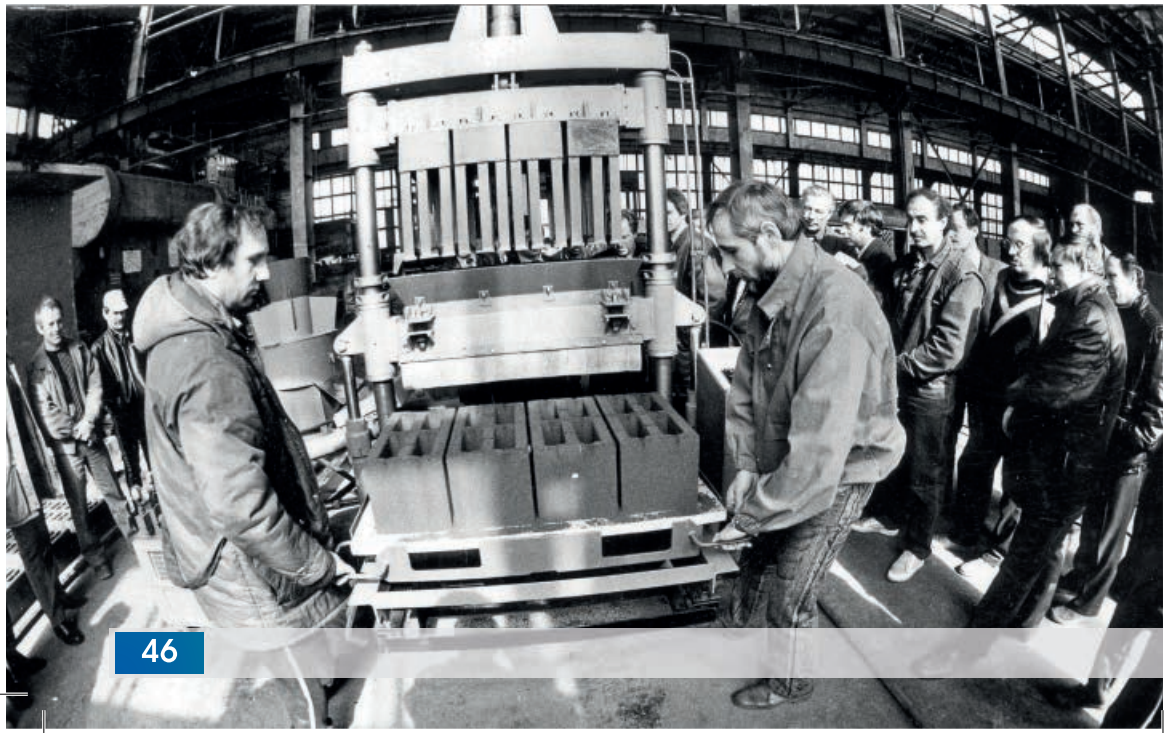
plant
stroyteknika
founded in 1990

RUSSIA'S LEADER IN PRODUCTION OF VIBRATION COMPACTION EQUIPMENT FOR CONSTRUCTION INDUSTRY.
DEVELOPER AND PRODUCER OF MANUFACTURING FACILITIES «RIFEY».

OUR POWER - OUR STAFF MEMBERS!

On 26 April 2014 the Stroytekhnika plant celebrated its anniversary. For 25 years the plant saw many changes: there were built new production buildings, office building and cultural centres. It resulted from the need of constant production capacities growth to meet the demands of consumers in sphere of construction.

Today the Stroytekhnika plan is a constantly developing enterprise and a friendly solidary staff that works for the sake of its town and country development.



April 26, 2015

FACTORY'S 25TH ANNIVERSARY

OVER 30000 PIECES OF EQUIPMENT WORKING IN ALL REGIONS OF RUSSIAN AND ABROAD

BUILD YOUR OWN - BUILD WITH US!

plant
stroyteknika
founded in 1990

NEW!
SD manufacturing complex
Complexes Rifey-SD
with increased productivity

Rifey-POLUS+BETON 25
Facility includes:
1. Vibration compactor Rifey-Polus
2. Concrete plant RB-25
3. Rotating conveyor 5 m.

Rifey-UDAR SD
Specifications:
Weight (not including silo) -9400 kg,
Installed power -54,7kW.

Rifey-BURAN SD
Specifications:
Weight (not including silo) -10900 kg,
Installed power -57,2kW.

Rifey-POLUS SD
Specifications:
Weight (not including silo) - 10900 kg.
Installed power - 57,2 kW.

**456228, Russia,
Chelyabinsk region,
the city of Zlatoust,
Krasnaya Gorka
set., 16,
Stroytekhnika**