UMG

ENGINEERING WHAT MATTERS



PRODUCT RANGE

ABOUT US

UMG is the Russia's leading manufacturer of construction and specialty equipment, road and agricultural machinery. UMG operates 6 factories and an R&D Center: Exmash, Tverskoy Excavator (TVEX), Bryansky Arsenal, Bryansk Tractor Plant, Chelyabinsk construction & road machines (ChSDM), JSC IVANOVETS.

AREAS OF APPLICATION



PACKAGED SOLUTIONS

- Wide range of products
- Batch, small-scale, and custom production
- R&D
- Services & Support
- Spare parts and components directly from the manufacturer
- Financial services
- Distribution in Russia, CIS and international

REGIONS OF DISTRIBUTION

· RUSSIA

· CIS

· INTERNATIONAL

More than **60** dealer centers

MANUFACTURING LOCATIONS

TVEX



The plant holds the leading position among the Russian manufacturers of excavators. The plant's competency is making of earthmoving, construction and specialty equipment for the road construction, civil & industrial construction industries, public utilities and mining industry.

The main products are wheeled and crawler excavators, material handlers, backhoe loaders, telehandlers.

EXMASH

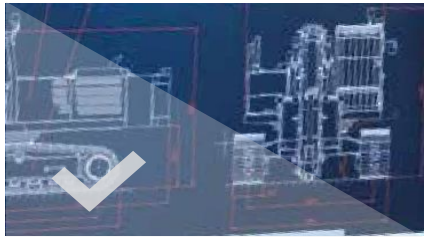


One of the major Russian manufacturer of construction, road and specialty equipment. The plant carries out a full cycle of operations: from engineering & designing to batch production and certification. The main products are: material handlers, truck-mounted excavators, forestry mulchers, snow groomers.

R&D CENTER



Competency Centers



Product Planning



Engineering & Testing



Pre-Production

MANUFACTURING LOCATIONS

Bryansky Arsenal



Bryansky Arsenal is one of Russia's oldest manufacturers of heavy machines. The main competency is production of the full range of motor graders and telehandlers. The production facility delivers world-class product quality.

Chelyabinsk construction & road machines (ChSDM)



A well-known machinery & equipment plant located in the Ural region, which manufactures road, construction and specialty machines.
The lineup includes wheel loaders, heavy motor graders, **snow groomers and bulldozers.**

Bryansk Tractor Plant



The primary competence of the plant is manufacturing of agricultural tractors and tractor-mounted machines.
The plant offers a wide range of utility tractors with a classical steel frame or articulated frame.

Ivanovets



JSC Ivanovets is one of the leading manufacturers of truck-mounted cranes in Russia. The plant manufactures truck cranes with the lifting capacity ranging from 16 to 55 tons. Over the past decades, the Ivanovo design & engineering school has become a leading one in the industry. Today, Ivanovets sets cutting-edge standards of development and embraces new technologies in engineering and manufacturing of cranes and dedicated automotive chassis.

PROFILE OF OUR FACTORIES



Tver

- Wheeled and crawler excavators
- Industrial handlers
- Truck-mounted excavators
- Telehandlers
- Mulchers
- Backhoe loaders

Bryansk

- Motor graders
- Telehandlers
- Agricultural tractors

Chelyabinsk

- Wheel loaders
- Heavy motor graders
- Snow groomers
- Bulldozers

Ivanovo

- Truck-mounted cranes
- Truck cranes on purpose-built chassis

WHEELED EXCAVATORS



MODELS	E140W	E170W	E200W
Weight (t)	15.1	17.7	18.3
Engine power (kW)	88	119	119
Pump displacement (L/min)	2x160	2x160	2x160
Digging depth (m)	5.34	6.26	6.44
Dumping height (m)	6.78	6.58	6.82
Digging radius (m)	9.03	9.6	9.84
Bucket digging force (kN)	102.7	130.9	158.1
Standard bucket size (m^3)	0.65	0.8	1.0

PERFORMANCE BENEFITS

- Compactness and high maneuverability on-site and on the road.
- Efficient and reliable hydraulic system that enables overlapping of all working motions, accuracy and smoothness of operation.
- Roomy and comfortable cab with air conditioning and color LCD instrument cluster.
- Steel fenders for better access during maintenance and protection from mud.
- The wheeled excavators can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013.







CRAWLER EXCAVATORS



MODELS	E160C CT	E160 NC	E200 NC	E225 NC	E225C	E245C	E300C	E330C	E360C
Weight (t)	15.5	16.15	19	22.7	23	23.7	30.8	32.3	35.7
Engine power (kW)	88	88	119	132	132	147	163	190	192.5
Turntable rotation speed (rpm)	10	11	10	10.5	10.5	10.5	11	10	11
Digging depth (m)	5.67	5.51	6.19	6.87	6.87	6.87	7.26	7.61	7.63
Digging radius (m)	8.95	8.83	9.37	10.19	10.19	10.19	10.98	11.48	11.49
Dumping height (m)	6.58	6.62	6.34	6.9	6.9	6.9	6.95	7.36	7.38
Standard bucket size (m^3)	0.6 / 1.0 (peat)	0.72	0.8	0.9	1.0	1.2	1.4	1.6	1.8
Track width (m)	1.2	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6

PERFORMANCE BENEFITS

- Best-in-class parameters: dig depth, dig reach, bucket & stick digging force.
- Efficient and reliable hydraulic system that enables overlapping of all working motions, accuracy and smoothness of operation.
- Up to 20%**fuel saving.
- E160NC, E200NC, E225NC – 2.5 m wide machines to reduce your cost of transportation by road.
- The crawler excavators can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013.
- system of remote control via radio channels including the protected channels with the range of control from 1.5 to 20*km.
- system of remote control via high efficient fiber optic communications systems with the range of control up to 20* km.

*it implies simultaneous application of the machine vision kit: VR + 360° cameras.







**compared to previous version TX

CRAWLER EXCAVATORS



MODEL	E225C LR
Weight (t)	27.6
Engine power (kW)	132
Turntable rotation speed (rpm)	12
Digging depth (m)	12.27
Digging radius (m)	16.0
Dumping height (m)	10.68
Standard bucket size (m^3)	0.4
Track width (m)	0.8

PERFORMANCE BENEFITS

- E225C LR is the first machine in the new lineup of crawler excavators that is going to expand.
- Super long booms and sticks can be supplied separately for installation on UMG E225C or E245C machines. AVAILABLE OPTIONS – systems of remote control:
- via radio channels including secure radio channels with the range of 1.5 - 20* km.
- via high-capacity fiber-optic network infrastructure with the range of up to 20* km.





* which implies use of a “machine vision” kit: VR kit + 360 deg. camera.

TRUCK-MOUNTED EXCAVATORS



MODELS	E190A	E195A
Weight (t)	18.8	19.6
Standard chassis	Ural 6x6	Kamaz 6x6
Travel speed (kmph)	85	85
Work cycle (sec)	12	12
Standard bucket size (m^3)	0.8	0.8
Digging depth (m)	5.0	5.0
Digging radius (m)	8.5	8.5

PERFORMANCE BENEFITS

- Basic off-road chassis.
- Spacious and comfortable cab with increased visibility.
- Adaptability of the machines for use of various interchangeable tools.
- The excavators can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013.







In the Register of Russian Industrial Products (Russian Government Decree No.719 dd. 17.07.2015)

WHEELED MATERIAL HANDLERS



MODELS	E230WH	E230WHE	E350WH	E420WH
Weight (t)	25.8	26.3	40.5	43,0
Engine power (kW)	132	132	190	223
Cabin height (above ground) (m)	5.25	5.25	6.33	6,33
Slewing speed (rpm)	6.0	6.0	9.0	9,0
Max. depth (m)	3.06	3.06	5.19	5,19
Reach (m)	11.47	11.25	16.35	16,35
Dumping height(m)	12.18	12.18	17.49	17,49
Load capacity at max. working radius (t)	3.28	3.55	3.57	5,1

PERFORMANCE BENEFITS

- High cab elevation ensures maximum eye control of the site.
- The cabin with a large glazing area ensures maximum visibility of the working area.
- Wheeled material handlers can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013.









MOTOR GRADERS



MODELS	AG-140	AG-180	DZ-250 / DZ-250A	DZ-350
Weight (t)	14.2	16.9	21.1 / 20.4	35
Engine	YMZ 236	YMZ 236	YMZ 238	YMZ 7726
Engine power (kW)	110	132	173 / 169	309
Transmission	Manual / HMT	Manual / HMT	Manual / HMT	HMT
Length of grader blade (mm)	3740	3810	4100	4900/5500
Hinged frame turning angle (deg.)	±22°	±26°	n/a / ±20°	±23°

PERFORMANCE BENEFITS

- The all-angle moldboard offers an optimal solution for routine road cleaning in the winter period.
- High repairability thanks to locally made components available in all Russian regions.
- A wide range of attachments that ensure year-round operations (rear-mounted scarifier, side moldboard).
- Easy access for maintenance purposes: fully opening hood of the powertrain, rigid steel rear fenders that serve as a footrest during maintenance & service.
- DZ-250, DZ-350 motor graders feature a fixed hood with tilting doors.
- The motor graders can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013.







TELESCOPIC HANDLERS



MODELS	TLH-3507 (AG/CE)	TLH-3510 (AG/CE)	TLH-4007 (AG\CE)
Type of attachment	pallet forks	pallet forks	pallet forks
Maximum cargo lift height (mm)	7.080	9.715	7.080
Reach at maximum lift height (mm)	1.075	2.355	1.075
Maximum forward reach (mm)	4.040	6.990	4.040
Maximum lift capacity (kg)	3,500	3,500	4.000

PERFORMANCE BENEFITS

- A wide range of attachments. Two versions: AG (agricultural) and CE (construction).
- A hydraulic line on the boom for connecting attachments with quick couplers.
- Powerful hydraulics with a variable displacement axial piston pump.
- FOPS / ROPS cab.
- The telehandlers can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013.







BACKHOE LOADERS



MODELS	TLB 845(S)	TLB 945
Engine power (kW)	73.5 / 74,5	73.5 / 74.5
Pump displacement (L/min)	138	138
Loader bucket capacity (m^3)	1.0	1.2
Backhoe bucket capacity (m^3)	0.25	0.25
Telescopic stick	+	+
Backhoe digging depth (m)	5.92	5.92
Loader lifting capacity (t)	3.84	3.84
Wheel steer	2WS	4WS
Work equipment control	levers\joysticks	joysticks

PERFORMANCE BENEFITS

- These machines feature a new cutting-edge Russian-made engine with an improved cooling system to ensure stable operations in a wider range of temperatures & climatic regimes.
- The new loader equipment feature improved geometrical parameters and power characteristics that are among the best-in-class.
- A new advanced LS hydraulic system with joystick control. Also, we offer units with lever control.
- The backhoe loaders feature a new undercarriage with exceptional ride characteristics (travel speed, off-road performance and tractive effort) to ensure efficient performance of the loader equipment and relocations between sites.
- The backhoe loaders can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013.







WHEEL LOADERS



MODELS	WL30	WL50	WL60
Weight (t)	10.5	17.7	20.7
Engine	Weichai WP6G	Weichai WD10G	Weichai WD10G
Engine power (kW)	95	162	178
Nominal payload (t)	3.0	5	6
Nominal bucket capacity, m3, not less	1.7	3	3,5
Bucket pin height at max lift (m)	3.98	4.321	4.42

PERFORMANCE BENEFITS

- A wide choice of attachments for different conditions of use: buckets of different types and capacities, a wide range of active attachments including those installed on quick-coupler (optional).
- High maneuverability enables operations in confined spaces. A model in the lineup that qualifies for unrestricted road travel.
- The wheel loaders can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013.







BULLDOZERS



MODELS	D16H	D20H	D25H
Bulldozer weight (t), up to	16.00 / 20.76	16.4 / 21.45	25
Engine	YMZ-536	YMZ-536	YMZ-536
Engine displacement (L)	6.65	6.65	6.65
Engine power (kW)	150	162	176
Transmission	HPT	HPT	HPT
Fuel tank (L)	380	380	380
Ground pressure, standard tractor (MPa)	0.06	0.054	0.059

PERFORMANCE BENEFITS

- Standard equipment includes blades with the dozing capacities of 5.6 and 6.4 m³
- FOPS/ROPS cab to ensure operator's comfort and safety
- The bulldozers can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013
- Ideal equipment for routine tasks in construction, landscaping and redevelopment.
- A wide choice of attachments: S-blade, landfill blade, drawbar, 3-shank ripper etc.
- Video monitoring system.







SNOW GROOMERS



MODELS	PT6	PT9**
Weight, t	6.25	9.8
Transmission	HST 75	HST 140
Engine power, kW	230	340
Tiller working width, m	up to 3.9	up to 5.1
Tilling speed, kmph	18	12
Tiller pressure, t	up to 1.5	up to 1.5
Hydraulic system	LS	LS

PERFORMANCE BENEFITS

- Operations in any weather conditions and climatic parameters
- Wide choice of attachments – front blade with 12 directions of movement, transport boxes, transport forks
- High grooming & tilling speed – up to 18 kmph with the tiller pressure of up to1.5 t
- Up to 4 adjusted ski track setters
- Load sensing, efficient and advanced LS hydraulic system
- Maneuverability, compactness and ease of steering allow to use this machine on narrow pistes and wooded terrains
- Modular layout system enables mounting and taking down of any additional equipment.

OPTIONAL:

- system of remote control via radio channels including the protected channels with the range of control from 1.5 to 20*km
- system of remote control via high efficient fiber optic communications systems with the range of control up to 20* km.

*it implies simultaneous application of the machine vision kit: VR + 360° cameras.







** This product is budgeted for launch into production in Y2026

FORESTRY MULCHERS



MODEL	M280
Weight (t)	16.2 - 17.1
Engine power (kW)e	229
Operational speed (kmph)	0...7.5
Cutting width (mm)	2.060
Maximum shredding diameter (mm)	400
Cutting range beyond ground level (mm)	150
Ground pressure (track shoe 600 mm), up to (kg/cm^2)	0.38 - 0.4

PERFORMANCE BENEFITS

- One of the best-in-class engine power parameter – 229 hp and one of the best torques – 1,226 Nm to ensure high performance effectiveness in most severe conditions.
- Low ground pressure ensures high cross-country performance to enable using this machine on soft soils of fields and forests.
- Large shredding diameter to ensure high functionality.
- Power supply capacity of UMG M280 makes it possible to use a large-diameter rotor (505 mm) that ensures the maximum cutting range below ground level of 150 mm.
- The mulcher can be supplied for public procurement purposes under Federal Law No.44 dd. 05.04.2013
- M280** modification for the commercial market with new components of the hydraulic system and a wide range of in-house made or purchased mulching heads

OPTIONAL:

- system of remote control via radio channels including the protected channels with the range of control from 1.5 to 20*km
- system of remote control via high efficient fiber optic communications systems with the range of control up to 20* km.

*it implies simultaneous application of the machine vision kit: VR + 360° cameras.







TRUCK CRANES



Maximum lifting capacity, t	16	25	32	35 - 40	50
Maximum load moment, t/m	48 / 73	80 / 85	102 / 103	105 / 120	185
Length of boom, m	18 / 23	21 / 22 / 24 / 30.7 / 31	31	30.3 / 37.8	35
Chassis	Ural, Kamaz, MAZ	Ural, Kamaz, MAZ	KAMAZ	KAMAZ	KAMAZ
Wheel formula	4x2 / 6x6	4x2 / 6x4 /6x6	6x6 / 8x4	8x4 / 8x8	8x8
Support contour (outrigger span)		5.4x 6.0		7.4x 6.5	8.2 x 7.3
Weight with main boom, t	17 - 20	16.9 - 23.3	21.5 - 27.2	26.12 - 30.42	38
Front axle load, t		6.35 - 6.5		11.12 - 14.42	
Rear tandem axle load, t		15		15 / 16	
Counterweight, t			5.9	7	

PERFORMANCE BENEFITS

- A wide model range of truck cranes with the lifting capacity from 16 to 50 t, and the boom length from 23 to 37.8 m.
- It is possible to use chassis of different makers – URAL, KAMAZ, MAZ etc.
- In-house-made oval-shaped booms ensure optimal distribution of static and dynamic stresses, and stand out for exceptional bending and torsion stiffness.
- The rear tandem axle load of most models does not exceed 15,000 kgf! The truck cranes can easily travel on roads without any additional charges or permits. Ready for operation immediately upon arrival at the site.







AGRICULTURAL TRACTORS



MODELS	BTZ-251K	BTZ-252K	BTZ-253K	BTZ-254K
Weight (t)	8.5	8.8	8.8	8.5
Engine	YMZ-6565	YMZ-6565	YMZ-6565	YMZ-536
Engine power (kW)	132	132	170	184
Maximum torque, N*m	667	667	883	1,100
Hitch lift capacity, t	5	5	5	5
Towing capacity, kN (kgf) (nom- max)	40-60	40-60	40-60	40-60

PERFORMANCE BENEFITS

- Powerful and fuel efficient
- Low cost of ownership
- Compatibility with different attachments
- Convenient access to components for easy maintenance
- The BTZ 254K.20M general-purpose wheeled agricultural tractor is manufactured for boreal climate (category 1.1 in accordance with GOST 15150) and is designed to perform agricultural operations such as plowing, harrowing, cultivating/tilling, sowing, stubble breaking, disking, deep plowing, and snow retention, as well as transport tasks on field tracks, unpaved roads, and hard-surfaced roads.







AGRICULTURAL TRACTORS



MODELS	T904 Plus	T1404	T1804	T2204	T2604
Weight (t)	5.02	5.51	7.28	8.45	10.11
Engine	YTO	YTO	WEICHAI	YUCHAI	WEICHAI
Engine displacement (L)	5.61	4.75	6.75	6.87	7.47
Engine power(kW)	90	140	180	220	260
Wheelbase (mm)	2.390	2.520	2.650	2.880	3.120
Transmission	16F+8R	16F+8R	16F+8R	16F+16R	16F+16R

PERFORMANCE BENEFITS

- Wide choice of modifications to cater to individual requirements.
- Highly effective hydraulic system for a wide range of implements and attachments.
- High lift capacity for diverse attachments and semi-mounted implements.
- Roomy and comfortable cab with air conditioning, Grammer seat and 9-inch LCD display
- Low cost of ownership







AGRICULTURAL TRACTORS

PERFORMANCE BENEFITS

The 3501 and 3001 general-purpose wheeled agricultural tractors are manufactured for boreal climate (category 1.1 in accordance with GOST 15150) and are designed to perform agricultural operations such as plowing, harrowing, cultivating/tilling, sowing, stubble breaking, disking, deep plowing, and snow retention, as well as transport tasks on field tracks, unpaved roads, and hard-surfaced roads.

MODEL	3501**	3001**
Engine	YMZ 537	YMZ 537
Engine rated power, hp	360	300
Transmission control	Electronic	Electronic
PTO speed, rpm	1,000	
Drawbar / hitch category	VI	V
Drive configuration	4K4b	
Gauge, mm	2.085	

PEROFRMANCE BENEFITS:

The 4301 (4501) general-purpose wheeled agricultural tractor is manufactured for boreal climate (category 1.1 in accordance with GOST 15150) and is designed to perform agricultural operations such as plowing, harrowing, cultivating/tilling, sowing, stubble breaking, disking, deep plowing, and snow retention, as well as transport tasks on field tracks, unpaved roads, and hard-surfaced roads.

MODEL	4501**
Engine	YMZ 770
Engine rated power, hp	450
Transmission control	Electronic
PTO speed, rpm	1.000
Drawbar / hitch category	VIII
Drive configuration	4K4b
Weight, kg	19.500
Gauge, mm	2.085

INDUSTRIAL MACHINERY BUILT ON BTZ TRACTORS



BASIC TRACTOR	BTZ-180K
Engine	YMZ-6565
Engine power (kW)	132
PTO speed, rpm	1,000
Creeper	option
Travel speed, kmph	30

MULCHER SETS

Various specialized machines based on BTZ tractors can be used in large-scale construction projects and in the public utility sector



TRACTORMOUNTED BORING AND CRANE MACHINES



TRENCHIN MACHINES



WHEEL-RAIL TRACTORS



WHEEL TRACTORS WITH MOLDBOARD

EXCAVATOR SUPERSTRUCTURES



MODEL	EU-190	EU-195
Weight (t)	10.5	10.5
Engine power (kW)	88	88
Chassis	Ural 5557-60 or Ural 4320-72(-74)	KAMAZ-43118-0003011-50 or KAMAZ 43118-23011-50
Turntable rotation speed (rpm)	11.5	11.5
Digging depth (m)	5.0	5.0
Digging radius (m)	8.44	8.44
Dumping height (m)	6.05	6.09
Standard bucket size (m^3)	0.8	0.8

PERFORMANCE BENEFITS

- We also offer excavator skids without the chassis.
- Our customers can use their base carrier to mount the excavator upper unit in-house.
- The upper unit can be mounted onto a customer-suppled wheeled undercarriage directly at our plant.
- See the list of excavator carriers that can be used in the table with parameters.
- All works associated with mounting the excavator superstructures onto the customer-owned wheeled undercarriage must be agreed on with the commercial and technical departments.

MOTOR GRADERS



MODEL	AG-180 6WD**	AG-180 with LS ** control	AG-200 6WD**
Weight, kg	18.200	19.200	20.100
Moldboard, width / height, mm	3.810/630	3.810/630	4.270/700
Moldboard pivot angle, °	±65 ±360 optional	±65 ±360 optional	±65
HMT	6WG180	6WG230	6WG230
Engine	YMZ-53662-A02	YMZ-53662-A02	YMZ-5366-A02
Engine power, kW	161	161	192.5

TELEMATICS



Most models of the UMG equipment use telematics that allows to collect, transmit and analyze real-time data on performance of the equipment to improve efficiency of its use and organize management of fleets of specialty equipment.

FEATURES & FUNCTIONALITIES

- Real-time monitoring of the equipment
- GPS tracking and asset location
- Non-stopping diagnostics and monitoring of performance parameters
- Monitoring fuel consumption
- Predictive maintenance and repair control
- Comprehensive and flexible reporting
- Customized warnings and notifications
- Integration with ERP and TMS systems

TELEMATICS BENEFITS TO CONSTRUCTION OPERATIONS:

up to 35% fuel consumption saving
up to 30% optimized asset utilization
reducing idle time **by 15%**
up to 15% reduced maintenance & repair associated costs

NEW OPPORTUNITIES:

- Predictive maintenace and repairs
- Real-time tracking and monitoring
- Automatic recording of improper machine usage or operator faults
- Optimizing utilization patterns based on the data collected.

SERVICES & SUPPORT



77
Service centers and spare parts stores

280
Service vans

460
Certified service engineers & technicians

PROFESSIONALISM, COMMITMENT, CUSTOMER-FOCUSED APPROACH

With SERVICE SUPPORT from UMG you will get:

- Maximum time of trouble-free performance of UMG equipment
- Centralized warehouses of spare parts in the cities of Tver, Chelyabinsk and Bryansk
- Customer web-portal for ordering spare parts and claim management
- Technical support from service engineers
- Training programs for technicians of our dealers, customers and operators

When choosing our equipment, you get access to all our programs, services and expertise to ensure maximum profit and growth to your company.

Explore the benefits of our service support from an extensive branch network to the team of best experts who are qualified and have the right equipment to perform a job of any level of complexity – from planned maintenance to challenging repairs on-site.

We support you in your everyday work making it more safe and efficient.

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TELEGRAM YOUTUBE VK OK

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August 2026