



CONSTRUCTION AND FINISHING MACHINERY

2017



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«Nova Tec» is the group of companies, fast-growth brand and trade mark.

One of the companies in the holding is - "GIDROPROM" Ltd. with the main three production focuses. We produce, develop and sell:

- Electric water heating systems (electric and gas water heaters);
- Trenchless pneumatic equipment and tools;

- **Wooden, concrete, mosaic and marble floor surfaces treatment machines.**



Being a successor of "Odessa Construction and Finishing Machinery plant", enduring its history and traditions - "GIDROPROM" Ltd. produces high quality professional equipment.

Floor surfaces treatment machines manufacturing is one of the main production spheres of our company. Due to their characteristics and trustworthy, our sanding, grinding and finishing machines are very popular and in great demand in Ukraine as well as at the European market and far abroad.

This equipment is intended for instauration of parquet, primary and finishing treatment of other wooden, concrete, mosaic and marble floors.

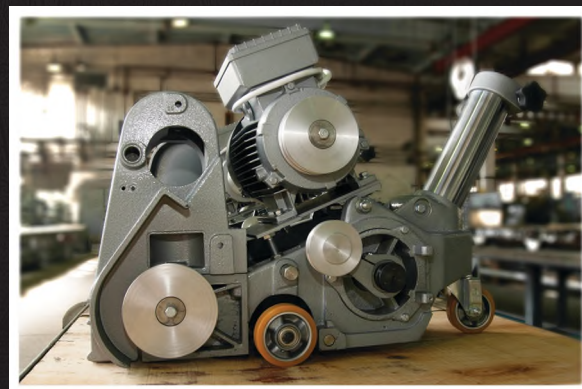
International Trade Fairs nominations, the highest world standards test reports prove our construction and finishing machinery - choice quality and superior performance.

With a wide network of branch offices and maintenance services, «GIDROPROM» Ltd. longs for all-out support of our customers in Ukraine and abroad.

The staff proficiency and client-oriented approach are the main things for our company.

«GIDROPROM» Ltd. and its «Nova Tec» TM are certified according to various.

International and European standards ISO 9001 and EN...



DRUM POWER SANDING MACHINES - DWR.001.220.206.00 and DWR.001.380.206.01

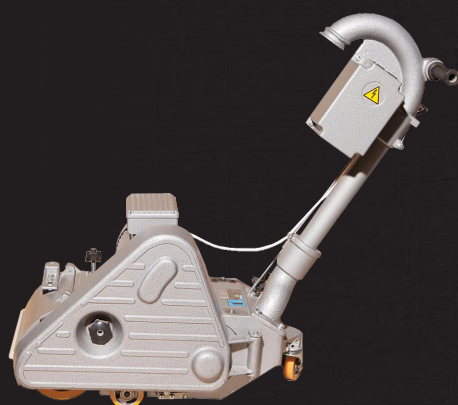
DRUM POWER sanding machine is designed for sanding and polishing of parquet and other wooden floors, as well as cleaning them from old paint, varnish and dirt.

The first two machine modifications are:

DWR.001.220.206.00 – single-phase drive (AC mains, 220V, 50Hz);

DWR.001.380.206.01 – three-phase drive (AC mains, 380V, 50Hz).

All assemblies and mechanisms of the machine are mounted on the body representing a box-type monoblock aluminium-alloy casting with a suction pipe and a spiral casing of the fan. The driven element of machine is the sanding drum with cantilever-wise fastened on the taper section of the shaft with a special nut. By rotating this nut in the direction opposite to that of tightening the drum is easily removed from the shaft without use of any special devices. The elastic surface of the sanding drum increases the life term of the sanding paper and the quality of floor treatment. The clamping rolls of the drum ensure good tightening and reliable fastening of the sanding paper. The sanding papers are available in a variety of grain sizes depending on the requirements for the surface to be polished. The pressure of the drum onto the surface to be polished is adjusted with a nut and a compression spring. The parallel positioning of the drum with respect to the surface to be polished is achieved by setting the lateral wheels at equal height with the help of an eccentric.



Sawdust produced in the process of sanding or polishing is exhausted by the fan into a dust collector. The machine special construction allows sanding or polishing the floor in close proximity to the walls. The front cover is fitted with a guard roller, which prevents hitting of the drum against the wall or plinth during operation. The front cover is easy to rise and can be fixed in its extreme position, thus providing free access to the drum.

Specifications:	DWR.001.220.206.00	DWR.001.380.206.01
Efficiency, sq. m./h.	42	48
Polishing width, mm.	200	200
Drum diameter, mm.	185	185
Operating voltage, V.	220	380
AC mains of frequency, Hz.	50	50
Electric motor power, kW.	2.2	2.2
Machine power consumption, kW.	2.6	2.6
Nominal rotating speed with lifted up drum, min ⁻¹	1400	1800
Overall dimensions, mm (L x W x H)	1150x400x1000	
Gross mass, kg.	70	70

DRUM POWER SANDING MACHINE - DWR.001.220.206.02

DRUM POWER sanding machine is designed for sanding and polishing of parquet and other wooden floors, as well as cleaning them from old paint, varnish and dirt.

The next and the latest machine modification is:

DWR.001.220.206.02 – single-phase drive
(AC mains, 220V, 50Hz);

Due to the new adjustable folding handle the machine has become more convenient in operation and transportation.

All assemblies and mechanisms of the machine are mounted on the body representing a box-type monoblock aluminium-alloy casting with a suction pipe and a spiral casing of the fan. The driven element of machine is the sanding drum with cantilever-wise fastened on the taper section of the shaft with a special nut. By rotating this nut in the direction opposite to that of tightening the drum is easily removed from the shaft without use of any special devices. The elastic surface of the sanding drum increases the life term of the sanding paper and the quality of floor treatment.



The clamping rolls of the drum ensure good tightening and reliable fastening of the sanding paper. The sanding papers are available in a variety of grain sizes depending on the requirements for the surface to be polished. The pressure of the drum onto the surface to be polished is adjusted with a nut and a compression spring. The parallel positioning of the drum with respect to the surface to be polished is achieved by setting the lateral wheels at equal height with the help of an eccentric.

Sawdust produced in the process of sanding or polishing is exhausted by the fan into a dust collector. The machine special construction allows sanding or polishing the floor in close proximity to the walls. The front cover is fitted with a guard roller, which prevents hitting of the drum against the wall or plinth during operation. The front cover is easy to rise and can be fixed in its extreme position, thus providing free access to the drum.

Specifications:	DWR.001.220.206.02
Efficiency, sq. m./h.	42
Polishing width, mm.	200
Drum diameter, mm.	185
Operating voltage, V.	220
AC mains of frequency, Hz.	50
Electric motor power, kW.	2.2
Machine power consumption, kW.	2.6
Nominal rotating speed with lifted up drum, min-1	1400
Overall dimensions, mm (L x W x H)	1150x400x1000
Gross mass, kg.	70

BELT HD SANDING MACHINE - BHD.001.220.301.00

BELT HD sanding machine BHD.001.220.301.00 is designed for sanding and polishing of parquet and other wooden floors, as well as cleaning them from old paint, varnish and dirt.

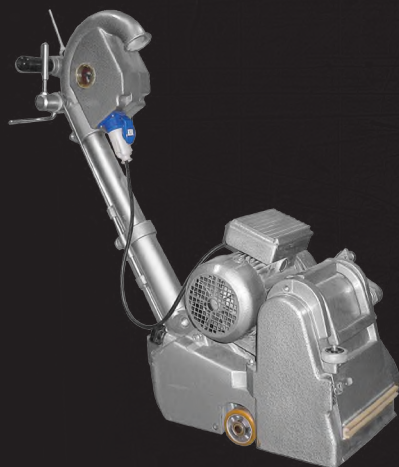
Due to adjustable folding handle the machine is very convenient in operation and transportation.

The distinctive feature of the machine is its endless sanding belt, which allows achieving better sanding and polishing quality. The increased length of the sanding belt prolongs its life term if compared with the sanding paper mounted directly on the drum. Fast replacement of the sanding belt is carried out from the machine side with the help of a tension roller without use of any special devices. Different curved radiuses of the belt tension on all of its length ensure self-cleaning of the belt from wood dust.



Rubber covered surface of the sanding drum increases the life term of the sanding belt and the floor treatment quality. The sanding belts are available in a variety of grain sizes depending on the requirements for the surface to be sanded or polished.

All these features allow reducing the time required for sanding belt replacement and cleaning; allow increasing machines efficiency as well as its performance quality.



The pressure of the drum onto the surface to be sanded or polished is adjusted with a screw and a spring. The parallel positioning of the drum with respect to the surface to be sanded is achieved by setting the lateral wheels at equal height with the help of an eccentric.

Sawdust produced in the process of sanding or polishing is exhausted into a dust collector. The machine offers a possibility to sand and then polish the floor in close proximity to the walls. The body of the machine is fitted with a guard roller, which prevents hitting of the drum against the wall or plinth during operation.

Specifications:	BHD.001.220.301.00
Efficiency, sq. m./h.	42
Polishing width, mm.	200
Drum diameter, mm.	150
Operating voltage, V.	220
AC mains of frequency, Hz.	50
Electric motor power, kW.	2.2
Machine power consumption, kW.	2.9
Nominal rotating speed with lifted up drum, min-1	2400
Overall dimensions, mm (L x W x H)	885x355x900
Gross mass, kg.	75

COLIBRI SANDING MACHINES - CBR.011.220.401.01 and CBR.011.220.401.04

COLIBRI sanding machines are designed for sanding and polishing of parquet and other wooden floors boundary areas (footsteps, spaces near walls and under the central heating radiators) - places with restricted access (so-called «Dead zones»).

There are two machine modifications:

CBR.011.220.401.01 – is supplied with the pre-installed
- short sanding tip;

CBR.011.220.401.04 – is supplied with the pre-installed
- long sanding tip.

Both machines have same the single-phase drive (AC mains, 220V, 50Hz).



COLIBRI sanding machines distinctive features are: light weight, portability, great suction capacity, high protection level and attractive design. Interchangeable sanding tips are used for reaching spaces with limited access.

The surface polishing is carried out with the help of the 150 mm. diameter sanding disc. The material used for mounting the disc on the machine - Velcro allows replacing the old disc with a new one very easily.

COLIBRI's meet all the actual safety requirements, ensuring electric shock protection. These machines do not require additional ground connection or use of the protection cut-off device (PCD). Sanding disc is mounted on the bottom side of the interchangeable tips.

Depending on the customer's requirements, the machine may be supplied with two sanding tips – long and the short one (the pre-installed one and another as the machine extra part, ready to be placed on).



The short sanding tip may be easily used for boundary areas as well as footsteps treatment. Its length is quite sufficient for this purpose.

The long sanding tip is designed for polishing spaces with the most difficult access, e.g. under central heating radiators etc. Pitch adjustment of the sanding disc with respect to the polished surface is achieved by the adjustment of two rear rollers. Sawdust produced during polishing is exhausted into the dust collector.

Specifications:	CBR.011.220.401.01	CBR.011.220.401.04
Efficiency, sq. m./h.	5	5
Disc diameter, mm.	150	150
Operating voltage, V.	220	220
AC mains of frequency, Hz.	50	50
Electric motor power, kW.	1.2	1.2
Rotation frequency of engine, r/min	11500	11500
Sanding tip dimensions, mm.	377x174x48.5	481x174x48.5
Overall dimensions, mm. (L x W x H)	552x246x410	
Gross mass, kg., not more than	7.9	

TERRAZZO GRINDING MACHINE - TRZ.112.380.199.01

TERRAZZO grinding machine is intended for grinding mosaic, marble and concrete floors and it is used in industrial construction and civil engineering.

The major components of the machine are: electric motor, reduction gear, two traverses, and the running gear. The electric motor is connected to electricity mains via the protective cut-off device (PCD) and it is started and stopped with the help of the rotary switch.

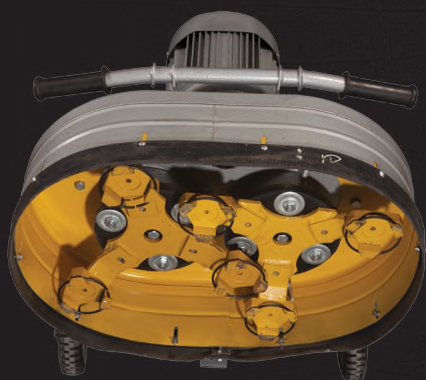
The rotational motion is transmitted from the gear to the meshing toothed wheels. The meshing toothed wheels transmit the rotational motion to the traverses in different directions that ensures machine stability.

The traversers are driven by electric motor via the reduction gear and revolve in different directions.



The running gear and control unit are attached to the reduction gear body with the help of axle and bracket. The bracket slots enable the machine getting down with respect to the running gear as far as the abrasives wear out. The rubber shock absorbers ensure the stone segments or diamond cutters equal consumption and smooth operation of the machine.

The floor grinding process is provided by the six triangular abrasive stones installed in holders on the traverses and fixed with the help of spring rings. The machine may be supplied with the diamond-point cutters, which ensure higher grinding and polishing performance. The diamond-point cutters are installed on the traverses with the help of adaptors.



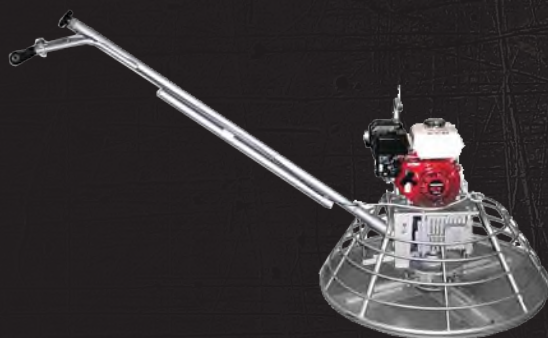
Specifications:	TRZ.112.380.199.01
Efficiency, sq. m./h.	43
Grinding width, mm	600
Grinding heads rotating speed, r/min	440
Traversers quantity	2
Abrasives height, mm.	50
Electric motor power, kW.	5.5
Operating voltage, V.	380
AC mains of frequency, Hz.	50
Overall dimensions, mm (L x W x H)	1100x710x1010
Gross mass, kg.	130

HELIE POWER TROWEL - HLE.211.220.170.01

HELIE power trowel is designed for troweling of concrete blinding after the beam vibrators treatment. The machine is used for civil and industrial construction purposes.

HELIE machine consists of the drive, the control handle and the built-in electric equipment. The two-speed electric motor serves as the driving gear. This allows performing the rough (with the disc tip) and finishing (with the blades tip) treatment of the concrete blinding.

All the machine working parts can be easily dismantled. The special mechanism is used for setting the blades or disc at the optimum angle with relation to the floor. The handle control switch location is very convenient. With its retractable handle the machine is easy to transport.



The power trowel machine is operated on a power source - AC mains, 380V, 50Hz, connected via the special protective cut-off device (PCD). The speed regime selection is performed by the respective switch. The power trowel is switched on-and-off by the control handle that activates the micro switch, commutated with the magnetic starter coil.

Specifications:	HLE.211.220.170.01
Efficiency, sq. m./h. with disc with blades	60 100
Number of blades	4
Trowel disc diameter	940
Rotation speed of the working body, rpm. Disc Blades	56 112
Overall dimensions, mm. Length (with retracted handle) Width Height (with retracted handle)	1212 (1910) 950 900 (1130)
Mass (without disc, protective cut-off device and cable), kg.	102
Electric motor Power, kW Voltage, V. Rotation frequency, rpm.	1,5/2 380 1500/3000





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