

# NEXTROM INDUSTRIES

™ ROMANIAN TRADE MARK



# **NEXTROM INDUSTRIES**



The general objective of the project through which was taken decision to build the plant was the business plan consolidation and development by ensuring the material base for the development of manufacturing capacity through the use of new technologies, able to compete in national and international markets.

Achieving this goal will increase Romania's competitiveness in the EU and will create premises for a better integration of our national economies in the European economy.



# NEXTROM INDUSTRIES



Worldwide, alternative vehicle producers orientation towards the development of propulsion systems without fuel consumption can be easily observed. It is a growing tendency in investing more and more in researching and development in the field of electric mobility.



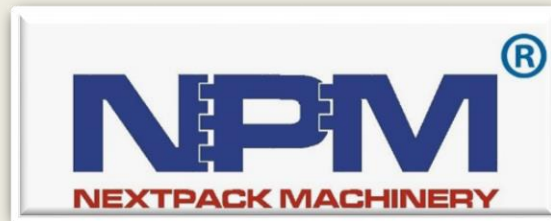


# **NEXTROM INDUSTRIES**



Founded in 2010, NEXTRON INDUSTRIES is a company specialised in research, production and the import of equipment and installations designed for packing, with multiple applications in fields belonging to the food industry, the agribusiness, cosmetic industry, the pharmaceutical industry, building material industry, offering complex solutions for small business owners but also complete and complex technologies for big companies.

The packing machines produced by nextrom industries are being sold under the brand **NEXTPACK MACHINERY**





## NEXTPACK MACHINERY MACHINES AND SYSTEMS

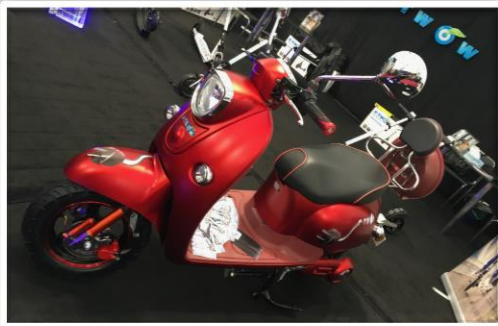
- automatic vertical packaging machines
- automatic horizontal packaging machines
- packaging machines in pillow or gusseted bags
- packaging machines in pillow or stand UP
- packaging machines in stabilo-bag
- packaging machines in "stand-up" bags, with zipper (Doy Pack);
- lowpack type packaging machines;
- sackets packaging machines;
- blistering machine
- automatic counting, filling and labeling lines;
- "shrink" type packaging machines
- multihead dosing systems;
- electronic scaling dosing systems - Multihead or Linear
- volumetric spiral dosing systems
- cans volumetric dosing systems
- conveyers
- "checkweigher" type checking weight
- metal detection system
- cardboarding machine
- tea packaging machines
- counting tablets and capsules machines.



# NEXTROM INDUSTRIES



Starting with July 2016, NEXTRON INDUSTRIES has begun the development of a new range of products, named GENTLE ELECTRIC – the products representing electrical transportation vehicles for personal use. These products are designed for use in current activities and they are: electric scooter, electric transportation vehicle for disabled people, electric bike and electric kick start scooter.



# TROTINETA ELECTRICA



The first Gentle Electric product will be the electric kick scooter, the ideal product for transportation in urban areas or crowded cities. It will have three models: ECO, MASTER and BOOSTER, each differentiated by power of the engine and the battery capacity. Those are vehicles with unique features like KERS technology, full portability, 30 km / h speed and 40 km autonomy.



	Greutate (Kg)	Viteza maximă (Km/h)	Autonomie (cu bateria încărcată complet) (Km)	Putere maximă (Watt)	
<b>ECO</b>	10.7	27	30	350	
<b>MASTER</b>	10.9	28	40	450	
<b>BOOSTER</b>	10.8	30	35	500	

Dimensiuni pliată: 940\*330\*150mm  
Dimensiuni nepliată: 940\*1160\*135mm  
Încărcătura maximă: 110 Kg  
Tipul bateriei: Li-Po  
Tipul motorului: Motor curent continuu fără perii



# BICICLETA ELECTRICA



Another product developed by Gentle Electric will be the electric bicycle, an innovative, environmentally friendly product, with a youthful and ergonomic design. Due to its unique technical characteristics, the electric bicycle produced under the Gentle Electric brand will be an important competitor among these type of vehicles.





# SCUTER ELECTRIC



Dimensions	Maximum length		1730 mm
	Maximum width		730 mm
	Maximum height		1230 mm
	Height without mirrors		1030 mm
Number of persons			2
Maximum load			150 kg
Maximum speed			40 km/h
Ground clearance			120 mm
Charging time			8h
Batteries	Capacity		60 V 20 Ah
	Type		Gel
Electric Motor	Motor type		Brushless, with permanent magnets
	Nominal power		1000 W
	Backlash speed		480 [rot/min]
	Maximum performance		0,844
Breaking System	Front		Hydraulic disc - 155 mm diameter
	Back		Electromagnetic in the motor + Hydraulic disc - 180 mm diameter
Tires	Front	Dimensions	3.00 – 10 42J
		Air pressure	2,5 bar
	Back	Dimensions	3.00 – 10 42J
		Air pressure	2,5 bar

# VEHICUL ELECTRIC DE TRANSPORT PENTRU PERSOANE CU DIZABILITATI



The electric vehicle for people with disabilities - is a useful product and it is also realised by Gentle Electric. Through its great features, it allows the user to move independently, participate to an active and productive social life.



# NEXTROM INDUSTRIES



## Cutting boards, metal pipes and profiles workshop





# NEXTROM INDUSTRIES



**Cutting and stamping table - machinery workshop**





## **Development of pipes and metal profiles - machinery workshop**



# Manual and automated welding workshop



Automatic cell for welding of frames for scooters and bicycles	Welding robots ABB capacity 10kg Welding Positioner rotary table Sources MIG MAG 350
Welding machine	Invertor pentru sudare cu electrod invelit Surse de sudare MIG-MAG pana la 400 Aparat de sudare WIG-TIG



# Classical mechanical and CNC - machines processing workshop



3-axis machining center with CNC	X/Y/Z –axis travel: 850x500x670mm; Speed of main spindle: 8000 RPM Table dimensions: 1200x520mm; Maximum weight piece: 600kg
CNC lathe	Turning diameter over the bed: – max. Ø500 mm; Turning diameter over the sleigh: - max. Ø350 mm, X/Z –axis travel - 280/1000 mm; Accuracy: 0,001mm Main spindle speed: 15000 RPM; The hole in the main spindle: Ø62mm
Classic lathe with display	Turning diameter over the bed: – Ø500 mm; Turning diameter over the sleigh: - Ø350 mm, X/Z –axis travel- 280/1000 mm; Accuracy: 0,001mm Main spindle speed: 15000 RPM; The hole in the main spindle: Ø62mm



## Workshop finishing and assembly structures



Classic milling machine	Axis travels: X-Y-Z de 750x400x400mm; Spindle speed: max. 4540 RPM Table dimensions: 1500x305mm; Maximum weight piece 350kg
External round grinding machine	Diameter grinding: 13-80 mm; Max. diameter for part rotation : min 320 mm Distance between peeks: max. 750 mm; speed stone: 1780 rpm Maximum weight piece: 50kg
Plan grinding machine	Max size piece.: 1000x400mm; maximum weight piece 600kg X-Y-Z: 1100x440x400mm; Stone speed: 1440 RPM





## Assembly and testing engines – machines workshop



Reeling machine

Machine for gluing magnets

Presa pentru asamblarea tolelor

Motors balancing machine

Impregnation bath and drying oven

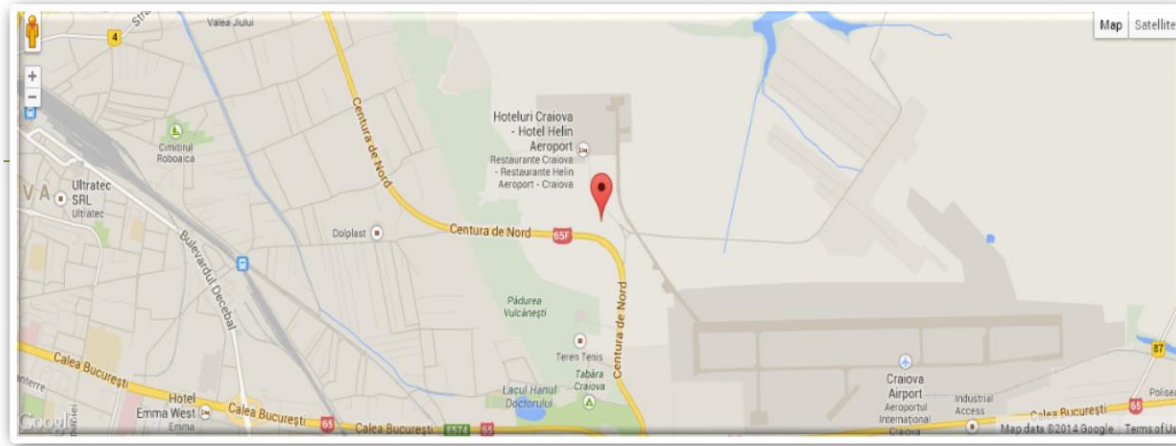


## Plastic injection workshop - machines



<b>Plastic injection machine 100 tf</b>	Closing force: 980 kN Die height: min. 380mm Ejectors course: min. 102 mm
<b>Plastic injection machine 500 tf</b>	Closing force: 5000 kN Die height: min. 780mm Ejectors course: 203 mm





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