





A Common Philosophy

A compact and powerful ROBOT, fast working, that allows the workers to operate in a safer and comfortable area. A saving of time, labour and fuel that helps the maintenance professionals and the environment.

BARBIERI Company with these objectives , research and creativity, has built a **RANGE** of brilliant and safe Radio Controlled Machines combining robotic technology with high efficiency, in a single product **LIGHT** and **POWERFUL**; machines that require LESS ENERGY in their handling, doing the **same job** than a larger and more expensive equipment.

Ecological, economic, **efficient**, compact and **safe**.

Careful and precise TESTS, the choice of suppliers who always want to improve and a great passion for the environment have meant that XROT and XFLAIL are today considered a crucial solution in the Radio Control Machines Market.

Your need, our SOLUTIONS.

Our Robot RANGES XROT and XFLAIL are equipped with the following features:

MACHINES FULLY OPERATED BY DIGITAL DISPLAY REMOTE CONTROL , EQUIPPED ALSO WITH 'VIBRO ALERT'SYSTEM

- ▶ STURDY AND REINFORCES CHASSIS WITH ENGINE PROTECTION
- ▶ FRONTAL LED WORKING LIGHTS
- ▶ ELECTRICAL MOTORS FOR TRANSMISSION (48V) WITH AUTOMATIC BRAKES
- ▶ TRACKS: LIGHT TRACKS TYPE WITH TURF SHAPE, LESS IMPACT ON SOIL
- ▶ EXTREME CLIMBING CAPACITY
- ▶ LIFTING HOOK
- ▶ COUNTER HOURS
- ▶ AUXILIARY PLUGS
- ▶ EASY MAINTENANCE AND REDUCED SPARE PARTS COSTS
- ▶ MULTI COLOURED FLESHING BEACON LIGHT, WITH AN INDICATOR OF THE MACHINE'S WORKING CONDITIONS



Remote Control

eROT EVO

XROT EVO

XFLAIL 80



X Rot 70 EVO
Remote Grass Mulching Mower



X Rot 80 EVO
Remote Grass Mulching Mower



X Rot 95 EVO
Remote Grass Mulching Mower



e Rot 70 EVO
Remote Grass Mulching Mower



X Flail 80
Remote Flail Mower



A Unique Concept: LIGHT and STRONG



X-ROT Range - Main Standard Features:

- ▶ CUTTING HEIGHT ADJUSTMENT FROM REMOTE CONTROL from 3 cm to 15 cm
- ▶ MULCHING ROTATIVE BLADE WITH PIVOTING END
- ▶ CUTTING POSSIBILITY IN FORWARD AND BACKWARD SENSE OF DRIVING
- ▶ GPS READY WITH CONTROL BY APP INSTALLED ON MOBILE (iOS and ANDROID)
- ▶ DIFFERENT CHOICE OF TOP BRAND PETROL ENGINES (13-18-25 HP)*
- ▶ CLIMBING ABILITY (slope): 100%
- ▶ COMPACTED SIZE TO ENTER IN PICK UP OR VAN.
- ▶ SUITABLE TO WORK UNDER SOLAR PANELS AND VERY LOW STRUCTURES



▶ * different choice of engines:

Powered By **Kawasaki** POWERED BY **VANGUARD**



The Suitable IDEA: HEAVY DUTY



X-FLAIL RANGE: main Standard Features:

- ▶ CUTTING HEIGHT ADJUSTMENT FROM REMOTE CONTROL
- ▶ NR. 40 'Y' BLADES FOR HEAVY FLAIL OPERATION
- ▶ OVERPOWERED PETROL ENGINES 23 HP
- ▶ CLIMBING ABILITY (SLOPE): 100%
- ▶ STRONG STRUCTURE SUITABLE FOR HEAVY DUTY JOBS



SERVO DRIVE

GPS Compass Servo Drive™ 2.0



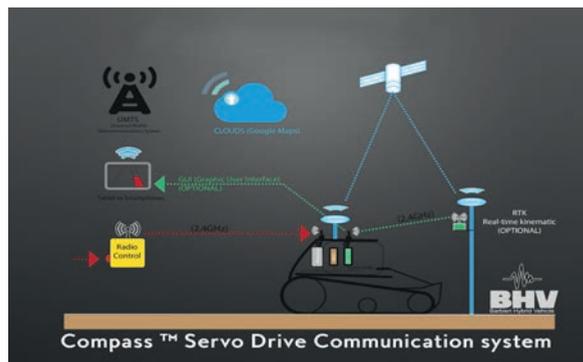
Integrated SERVO DRIVE Sistem 'GPS', fully operated from Remoted Control without any other additional device

The new Integrated hardware includes the telematic device GPS positioning system and the Servo Drive features, all-in-one. Fully operated by Radio Control includes also the high precision localization of the unit by the RTK (Real Time Kinematics) which allows the recording for future re-use of working path with the possibility to repeat the operation indefinitely.

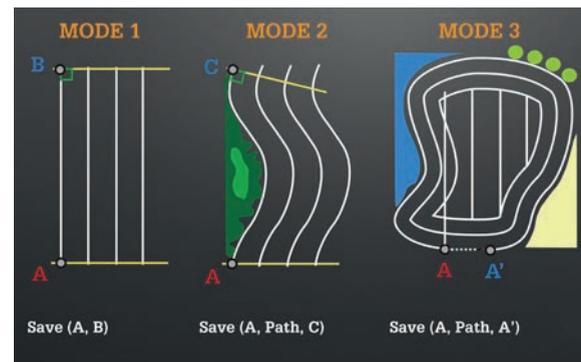
Additional feature is the Process Control through BHV App on Tablet or Smartphone (Android or iOS) with further possibility to adjust speed and working area.



HOW IT WORKS



THREE WORKING MODE



SMARTPHONE CONNECTION



ACCESSORIES

The Multiple Use



Flex Trimmer



GPS Compass Servo Drive



Snow Blade



Rear Lifting System



Flex Cut



MiXty Atomizer Sprayer System



REMOTED CONTROLLED MACHINE
eROT ePower 70 EVO
100% BATTERY OPERATED - The eROT Series





Main features:

Full electric remote controlled mower

- ▶ Variable blade speed
From 3 to 5 working hours (depending on working conditions)
6 hours recharging time, with a 2 phases STD charger
- ▶ Electric motor w/ automatic brakes
- ▶ Settable cutting height by remote control (from 30 to 150 mm)
- ▶ Both working direction Forward and backward
- ▶ GPS READY
activable by remote control or by app (via WIFI)
- ▶ Climbing ability
slope 100% (45° - dry conditions), slope limited only by grip
- ▶ Low frame more stability and accessibility
- ▶ Very low maintenance joint lubrication only
- ▶ Very light weight for light soil impact
- ▶ Lifting hooks for transportation
- ▶ Hour counter
- ▶ Cruise control w/ 5 different speeds
- ▶ Shock resistant battery pack case
- ▶ Beacon light w/ colours changing in case of danger

What is new ?

Digital Radio Control

Enhanced performance for more safe and friendly drive experience.

Added options:

Display with main infos and diagnostic. 5 step speed reducer, VIBRO-ALERT for dangerous operation. Integrated buttons for servo drive feature.

Drive system:

The drive power have been doubled with the winning

eRot drive system: 50% more electric power in the drive system Enhanced performance of the drive Motors

Drive speed automatically reduced in dangerous situation.





What is new ?

Telemetry & telematics 4.0

A power toolbox allows the autonomous drive and operation data connection to be shared in the cloud with other data processing tools.
remote Diagnostic and system updating feature allows a prompt troubleshooting.

Added feature:

Embedded GPS-RTK feature for precise automatic drive. Wifi LAN for connection with other local device.
LTE 4G fast connection with the other local device

All functions are digitally controlled by an Electronic Control Unit connected by 3 devoted CAN-BUS for Engine Drive system, GPS and communication control.



Engine

100% ELECTRIC BHV MOD. 83973N 10 kW BATTERY PACK 48 V – 200 A – 10 kW

Electrochemistry: MNC Lithium nickel manganese cobalt oxide Module type: Flat or pouch in a rigid alu case
Performance: good specific energy and specific power density
BMS : High quality (made in USA)

- ✓ No Cable = rigid connection
- ✓ Designed for high demanding Use
- ✓ Variable speed - BATTERY PROVIDES HIGH POWER PEAK
- ✓ Electronic Brake
- ✓ Full digital control



MAIN FEATURES



CARACTERISTICS		PRODUCT CODE: 6200 300
Working Width.....	70 cm	
POWER SUPPLY		
Battery Pack.....	200 Ah	
Power (kW)	10 - 48v - Litio NCM	
WORKING Time	3 to 5 Hours depending on conditions	
Recharging Time	6 hours with std 2 phases charger	
SCUTTING UNIT		
Cut System.....	Mulching	
Engine type	PMAC-BHV 17nm@3000 rpm	
No. of Blades.....	2	
Working Area.....	Grass / Brush	
Workable grass/brush diam. (mm)	2 to 4	
Working Capacity (m ² /h)*	3000	
Height cut (mm).....	Min 30 Max 150	
GPS READY	Yes	
DATA		
Overall width cm (WxLxH).....	120x135x65	
Machine Weight	360 kg	
Compacting Pressure.....	137 gr / cm ²	





	e ROT 70-EVO	X ROT 70 EVO	X ROT 80 EVO	X ROT 95 EVO	X FLAIL 80
Working Width	70 cm.	70 cm.	80 cm.	95 cm.	80 cm.
ENGINE					
Petrol Engine Elec. Starter/ Electrical engine	BHV 83973N	VANGUARD B&S 3567	KAWASAKI FS 481V	KAWASAKI FS730 V EFI Electronic	VANGUARD B&S 3864
Torque (Nm)	17@3000 RPM	38.4 @ 1800 RPM	38.4 @ 1800 RPM	54.3 @ 2000 RPM	48 @ 2800 RPM
Power (hp) / kW	10 kW - 200 Ah	18	13	26	23
Fuel Tank Capacity (Lt) Autonomy	3h	16	16	32	16
CUTTING SYSTEM					
Cut System	Mulching	Mulching			Flail
No. Of Blades	2 swinging blades	2 swinging blades			40 Y Blades
Workable grass/brush (dia)	Grass 2/4 mm.	Grass 2/4 mm.			Brushes 4 cm.
Working Capacity Area m2/h (*)	3000	3000	3400	4000	2800
TECHNICAL DATA					
OVERALL DIMENSIONS	120x135x65 cm	126x131x75 cm	124x135x76 cm	136x147x82 cm	135x132x78 cm
Net Weight	360 Kg.	370 Kg.	380 Kg.	455 Kg.	450 Kg.
Compacting Pressure	137 gr/cm ²	130 gr/cm ²	135 gr/cm ²	168 gr/cm ²	166 gr/cm ²

(*) cutting conditions: grass maximum height 40 cm.; dry conditions; flat ground 25°



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