



COMPANY PROFILE



Knapsack Sprayer Manual



SA - 14

Manual Knapsack Sprayer

Type	:	SA-14
Material	:	Stainless Steel
Total Water Capacity	:	13.3 liters
Unit Dimension	:	570 × 150 × 665 mm
Sprayer Empty Weight	:	3.6 kg
Sprayer Full Weight	:	18.06 kg
Spray Pressure	:	2,5 kg/cm ²
Spray Discharge	:	0.87 - 1.58 liters/minute
TKDN	:	41,80%



SA - 17

Manual Knapsack Sprayer

Type	:	SA-17
Material	:	Stainless Steel
Total Water Capacity	:	16.4 liters
Unit Dimension	:	343 × 174 × 642 mm
Sprayer Empty Weight	:	4.9 kg
Sprayer Full Weight	:	21.3 kg
Spray Pressure	:	3.5 - 5 kg/cm ²
Spray Discharge	:	0.82 - 2.18 liters/minute



SA - 16 TungHo

Available for Export

Manual Knapsack Sprayer

Type	:	SA-16
Material	:	Stainless Steel
Total Water Capacity	:	17 liters
Unit Dimension	:	353 × 180 × 470 mm
Sprayer Empty Weight	:	10.8 kg
Sprayer Full Weight	:	27.8 kg
Spray Pressure	:	4.0 kg/cm ²
Spray Discharge	:	1.4 - 2.4 liters/minute

Knapsack Sprayer Manual



AP-15

Available for Export

Manual Knapsack Sprayer

Type	:	AP-15
Material	:	HDPE
Total Water Capacity	:	15.84 liters
Unit Dimension	:	468 × 233 × 522 mm
Sprayer Empty Weight	:	3.67 kg
Sprayer Full Weight	:	18.94 kg
Spray Pressure	:	2 - 3 kg/cm ²
Spray Discharge	:	0.68 - 1.26 liters/minute



MTB-16

Available for Export

Manual Knapsack Sprayer

Type	:	MTB-16
Material	:	HDPE
Total Water Capacity	:	16.32 liters
Unit Dimension	:	401 × 183 × 614 mm
Sprayer Empty Weight	:	4.15 kg
Sprayer Full Weight	:	19.54 kg
Spray Pressure	:	3.0 - 3.5 kg/cm ²
Spray Discharge	:	1.06 - 1.46 liters/minute



SL-15

Manual Knapsack Sprayer

Type	:	SL-15
Material	:	HDPE
Total Water Capacity	:	15.5 liters
Unit Dimension	:	456 × 210 538 mm
Sprayer Empty Weight	:	4.0 kg
Sprayer Full Weight	:	18.74 kg
Spray Pressure	:	2 - 2.5 kg/cm ²
Spray Discharge	:	0.81 - 1.31 liters/minute

Knapsack Sprayer Electric



F-16

Electric Knapsack Sprayer

Type	:	F-16
Material	:	HDPE
Total Water Capacity	:	17.1 liters
Unit Dimension	:	370 × 238 × 570 mm
Battery	:	12V, 7Ah, Rechargeable
Sprayer Empty Weight	:	6.6 kg
Sprayer Full Weight	:	22.7 kg
Spray Pressure	:	2.5 - 5.5 kg/cm ²
Spray Discharge	:	1.2 - 2.2 liters/minute
TKDN	:	58,01%



GSE-16

Electric Knapsack Sprayer

Type	:	GSE-16
Material	:	HDPE
Total Water Capacity	:	16.6 liters
Unit Dimension	:	374 × 185 × 516 mm
Battery	:	12V, 7Ah, Rechargeable
Sprayer Empty Weight	:	5.8 kg
Sprayer Full Weight	:	21.2 kg
Spray Pressure	:	2.5 kg/cm ²
Spray Discharge	:	1.01 - 2.03 liters/minute
TKDN	:	53,51%



BE-16

Electric Knapsack Sprayer

Type	:	BE-16
Material	:	PP (Polypropylene)
Total Water Capacity	:	16.2 liters
Unit Dimension	:	390 × 197 × 479 mm
Battery	:	12V, 7Ah, Rechargeable
Sprayer Empty Weight	:	5.3 kg
Sprayer Full Weight	:	21.2 kg
Spray Pressure	:	2 - 4.5 kg/cm ²
Spray Discharge	:	1.05 - 1.94 liters/minute

Knapsack Sprayer Manual & Electric



SA-14 (2 IN 1)

Manual & Electric Knapsack Sprayer

Type	:	SA-14 (2 IN 1)
Material	:	Stainless Steel
Total Water Capacity	:	13.8 liters
Unit Dimension	:	357 × 184 × 715 mm
Battery	:	12V, 7Ah, Rechargeable
Sprayer Empty Weight	:	8.0 kg
Sprayer Full Weight	:	21.8 kg
Spray Pressure	:	2.5 - 5 kg/cm ²
Spray Discharge	:	0.99 - 2.1 liters/minute



MTB-16 (2 IN 1)

Manual & Electric Knapsack Sprayer

Type	:	MTB-16 (2 IN 1)
Material	:	HDPE
Total Water Capacity	:	16 liters
Unit Dimension	:	397 × 180 × 682 mm
Battery	:	12V, 7Ah, Rechargeable
Sprayer Empty Weight	:	7.0 kg
Sprayer Full Weight	:	22.5 kg
Spray Pressure	:	3.85 - 5.09 kg/cm ²
Spray Discharge	:	1.19 - 1.55 liters/minute
TKDN	:	54,18%



BE-16 (2 IN 1)

Available for Export

Manual & Electric Knapsack Sprayer

Type	:	BE-16 (2 IN 1)
Material	:	PP (Polypropylene)
Total Water Capacity	:	17.15 liters
Unit Dimension	:	445 × 198 × 640 mm
Battery	:	12V, 7Ah, Rechargeable
Sprayer Empty Weight	:	6.45 kg
Sprayer Full Weight	:	22.44 kg
Spray Pressure	:	3.8 kg/cm ²
Spray Discharge	:	2.15 - 2.43 liters/minute

Power Sprayer 2 Stroke Engine Sprayer



PS-20

2 Stroke Engine Sprayer

Material	:	HDPE
Tank Dimensions	:	405 × 340 × 635 mm
Sprayer Empty Weight	:	8,2 kg
Sprayer Full Weight	:	29 kg
Total Water Capacity	:	20 liters
Spray Pressure	:	13 - 20 kg/cm2
Spray Discharge	:	6 liters/minute



Engine

2 Stroke Engine Sprayer

Engine Type	:	1 cylinder, 2 stroke, air cooled
Power	:	1.2 HP
Volume	:	25.6 cc

**FOR HIGH
TREES**

Equipment Gardening & Hobby



Tree Sprayer Super

Material	:	Stainless Steel
Spray Pressure	:	2 - 4 kgf/cm ²
Empty Weight	:	0,6 kg



Tree Sprayer Butterfly

Material	:	Stainless Steel
Spray Pressure	:	2 - 4 kgf/cm ²
Empty Weight	:	0,5 kg



SA - 2L

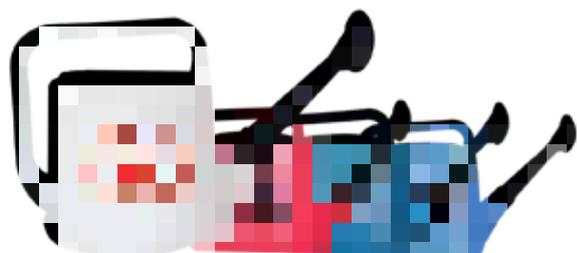
Capacity	:	2 liters
Material	:	HDPE
Spray Pressure	:	2 - 3 kgf/cm ²
Empty Weight	:	0,34 kg



PS - 5L

Capacity	:	5 liters
Material	:	HDPE
Spray Pressure	:	2 - 4 kgf/cm ²
Empty Weight	:	1,2 kg

Equipment Gardening & Hobby



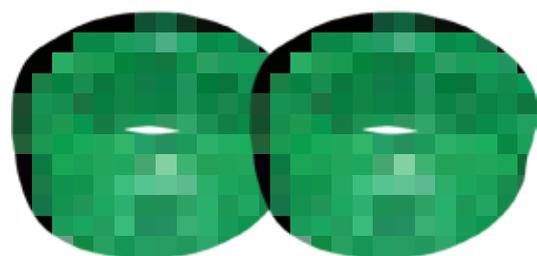
Plant Waterer 5L

Capacity	:	5 liters
Material	:	HDPE
Empty Weight	:	369 gr



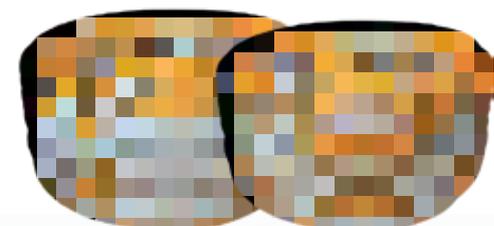
Plant Waterer 10L

Capacity	:	10 liters
Material	:	HDPE
Empty Weight	:	620 gr



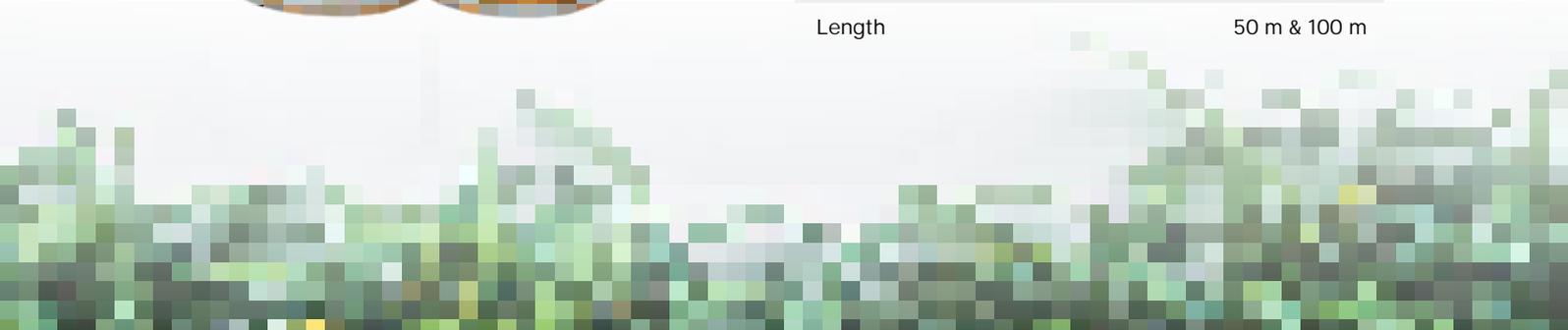
Water Hose

Material	:	PVC
Size	:	3/4 inch
Length	:	50 m



Compressor Hose

Material	:	PVC
Working Pressure	:	100 kgf/cm ²
Size	:	3/4 inch
Length	:	50 m & 100 m





With a 40-liter capacity, SWAN 540S offers high-efficiency smart spraying with excellent mobility for medium to large plantations. Equipped with high-flow impeller pumps and precision nozzles, it ensures stable, uniform spraying. The drone also supports granular spreading with accurate real-time calibration, delivering reliable performance and operational flexibility in the field.

Technical Specifications

Size with Arm Unfolded	2152 x 2085 x 877mm
Size with Arm Folded	1138 x 682 x 877mm
Max. Take-off Weight (Spraying)	89kg
Max. Take-off Weight (Spreading)	99kg
Drone Net Weight (with Battery)	49kg
Hovering Time (No Load)	18min
Hovering Time (Full Load)	7.5min
Spraying Tank Capacity	40L
Max. Spraying Width	10m (height 3.5m ± 0.5m, flight speed 3m/s)
Droplet Diameter (centrifugal nozzle)	50µm - 500µm
Max. Flow Rate (2 centrifugal pumps)	18L/min
Spreading Box Capacity	60L
Max. Load Capacity	50Kg
Fast Charging Time of Intelligent Battery	About 11min for 30% to 95%

Comprehensive Upgrade



Centrifugal Nozzle
Equipped with high-power dual-magnetic impeller pump with flow rate up to 18L/min.



Remote Controller
6-inch high-definition high-brightness smart remote controller HRC2, wide field of view for easy operation, equipped with high-definition FPV, image transmission distance up to 2 km.



Avionics Control
HD 5.0 Avionics Control System, integrates 10 core control modules, industry-leading high-performance CPU for more stable flight.



Power System
2100Wh intelligent battery, 8500W intelligent charger, integrates two heat dissipation devices with high power and fast charging.



App 5.0
Fully autonomous and easy to use, supports functions such as predicted point of exhaustion, intelligent departure, and intelligent waypoint continuation.



Radar
360° rotating radar, uses automotive-grade chips, millimeter-wave technology for precise detection of obstacles ahead, realizes functions such as obstacle avoidance, circumvention, and terrain following.

Optional Accessories



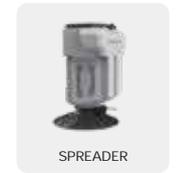
RTK BASE STATION



GENERATOR



SEARCHLIGHT



SPREADER



The GA580S is a multifunctional agricultural drone designed to simplify work on large-scale farmland. It features durable centrifugal nozzles (300 hours lifespan), a flow rate of up to 30 L/min, and a powerful propulsion system with 76 kg of thrust. Equipped with a 30,000mAh smart battery and a 9000W charger, it ensures stable and efficient performance.

Technical Specifications

Size with Arm Unfolded	3305 x 3577 x 850 mm
Size with Arm Folded	1270 x 880 x 880 mm
Max. Take-off Weight (Spraying)	140kg
Max. Take-off Weight (Spreading)	150kg
Drone Net Weight (with Battery)	68kg
Hovering Time (No Load)	16.5 min
Hovering Time (Full Load)	6.5 min
Spraying Tank Capacity	70L
Max. Spraying Width	12m (height 3.5m ± 0.5m, flight speed 5m/s)
Droplet Diameter (centrifugal nozzle)	50µm - 500µm
Max. Flow Rate (2 centrifugal pumps)	30L/min
Spreading Box Capacity	100L
Max. Load Capacity	80Kg
Fast Charging Time of Intelligent Battery	25%-95% approx. 10 minutes and 25 seconds



80kg Spreader Tank



70L Liquid Tank



Multi - Radar Matrix
70m Detection Range Radar
360° All Around Radar Sensor



30L/min Max. Flow Rate



300kg/min Auger-type Spreading System

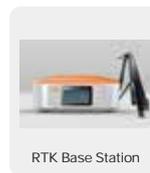


18S 30000mAh Smart Battery



9000W Volt Smart 4.6 Charger With Integrated Cooling Fan

Optional Accessories



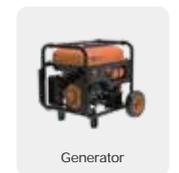
RTK Base Station



Centrifugal Upgrade Kit



Sowing Machine Spreader



Generator

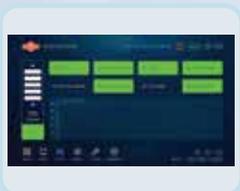
Two Side Grossing Station



The ideal solution for modern laboratories that demand precision, speed, and comfort. Designed for intensive use, this model offers high flexibility and optimal ergonomics. With a lifting system and dual-sided operation, it ensures comfort during long working hours while enabling efficient collaboration.

Specifications

Model	:	GPH.03.GS-GA
Material	:	Stainless Steel SUS 304
Dimensions	:	2000 × 850 × 2000 mm
Power	:	2360 W
Voltage	:	220 V
Weight	:	392 kg



HMI PLC Control System



Formalin Sensor Detector



Lifting System



UV Lamp & LED Lamp



LED Bench Magnifier



Cutting Board



Sink & Faucet with Booster Pump



Fan and Exhaust System



Alarm System & Emergency Stop



Formalin Container

**Customization services are available to meet your specific needs*

One Side Grossing Station



Grossing station with a compact design for limited spaces, equipped with complete features such as exhaust system, LED lighting, UV lamp, 4K camera, and PLC HMI monitor, ensuring efficiency even from a single working side while providing maximum comfort, safety, and productivity for laboratory users.

Specifications

Model	:	GPH.02.GS-GA
Material	:	Stainless Steel SUS 304
Dimensions	:	1500 x 775 x 2070 mm
Power	:	1300 W
Voltage	:	220 V
Weight	:	294 Kg



PC Unit & 4K Camera



HMI PLC Control System



LED Bench Magnifier



Sink & Faucet with Booster Pump



Fan and Exhaust System



Cutting Board



LED Lamp



UV Lamp



Water Heater System



Formalin Container

**Customization services are available to meet your specific needs*